

# **IMIBARE**

**Igitabo cy'umunyeshuri**

**Umwaka wa**

**2**

**Amashuri abanza**

**Kigali, Mutarama 2019**

### **Uburenganzira bw'umuhanzi**

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Gishinzwe Guteza Imbere Uburezi mu Rwanda (REB).

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## 0. Imyitozo yo kwiyibutsa

### Igikorwa cya 1

Musome, maze mwuzuze imibare ibura muri iyi mbonerahamwe.

...	1	...	3	...	5	...	7	...	9	...
11	...	13	...	15	...	17	...	19	...	21
...	23	...	25	...	27	...	29	...	31	...
33	...	35	...	37	...	39	...	41	...	43
...	45	...	47	...	49	...	51	...	53	...
55	...	57	...	59	...	61	...	63	...	65
...	67	...	69	...	71	...	73	...	75	...
77	...	79	...	81	...	83	...	85	...	87
...	89	...	91	...	93	...	95	...	97	...
									99	...

### Igikorwa cya 2

Soma, wuzuze imibare ibura muri iyi mbonerahamwe.

0	...	2	...	4	...	6	...	8	...	10
...	12	...	14	...	16	...	18	...	20	...
22	...	24	...	26	...	28	...	30	...	32
...	34	...	36	...	38	...	40	...	42	...
44	...	46	...	48	...	50	...	52	...	54
...	56	...	58	...	60	...	62	...	64	...
66	...	68	...	70	...	72	...	74	...	76
...	78	...	80	...	82	...	84	...	86	...
88	...	90	...	92	...	94	...	96	...	98
									...	100

## Igikorwa cya 3

Mugereranye mukoresheje ibimenyetso <, > na =.

- a) 23  32      d) 98  89      g) 26  26  
b) 46  64      e) 72  72      h) 36  63  
c) 87  78      f) 95  59      i) 42  24

## Igikorwa cya 4

Mutondeke muhereye ku mubare muto mujya ku munini.

- a) 67, 76, 56, 65      d) 38, 26, 83, 62  
b) 89, 47, 98, 74      e) 32, 34, 23, 43  
c) 95, 45, 59, 54      f) 52, 42, 25, 24

## Igikorwa cya 5

Mutondeke muhereye ku mubare munini mujya ku muto.

- a) 45, 35, 53, 54      d) 63, 78, 87, 36  
b) 63, 73, 36, 37      e) 94, 67, 49, 76  
c) 28, 48, 84, 82      f) 82, 64, 28, 46

## Igikorwa cya 6

Sesengura imibare ikurikira:

- a)  $65 = \square + \square$       d)  $54 = \square + \square$       g)  $32 = \square + \square$   
b)  $76 = \square + \square$       e)  $49 = \square + \square$       h)  $21 = \square + \square$   
c)  $89 = \square + \square$       f)  $97 = \square + \square$       i)  $18 = \square + \square$

## Igikorwa cya 7

Andika umubare wasesenguwe.

- a)  $80 + 9 = \square$       d)  $40 + 1 = \square$       g)  $50 + 2 = \square$   
b)  $60 + 7 = \square$       e)  $20 + 6 = \square$       h)  $30 + 3 = \square$   
c)  $10 + 5 = \square$       f)  $90 + 0 = \square$       i)  $70 + 4 = \square$

## Igikorwa cya 8

Andika imibare yasesenguwe.

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| a) $(90 \times 1) + (9 \times 1) =$ | f) $(40 \times 1) + (5 \times 1) =$ |
| b) $(80 \times 1) + (9 \times 1) =$ | g) $(30 \times 1) + (4 \times 1) =$ |
| c) $(70 \times 1) + (8 \times 1) =$ | h) $(20 \times 1) + (3 \times 1) =$ |
| d) $(60 \times 1) + (7 \times 1) =$ | i) $(10 \times 1) + (2 \times 1) =$ |
| e) $(50 \times 1) + (6 \times 1) =$ | j) $(30 \times 1) + (1 \times 1) =$ |

## Igikorwa cya 9

Sesengura imibare mo ibinyacumi n'ibinyabumwe.

Umubare	Ibinyacumi (c)	Ibinyabumwe (b)
78		
69		
24		
54		
16		
46		
61		
97		
36		

## Igikorwa cya 10

Andika umubare wasesenguwe wifashishije urugero.

**Urugero:**

$$c \ 9 \ b \ 0 = 90$$

- |                      |                      |                      |
|----------------------|----------------------|----------------------|
| a) $c \ 6 \ b \ 8 =$ | d) $c \ 6 \ b \ 3 =$ | g) $c \ 3 \ b \ 6 =$ |
| b) $c \ 8 \ b \ 1 =$ | e) $c \ 5 \ b \ 4 =$ | h) $c \ 2 \ b \ 7 =$ |
| c) $c \ 7 \ b \ 2 =$ | f) $c \ 4 \ b \ 5 =$ | i) $c \ 1 \ b \ 8 =$ |

## Igikorwa cya 11

Koresha imbonerahamwe y'ibara, uteranye.

- a)  $54 + 33 =$
- b)  $48 + 21 =$
- c)  $36 + 20 =$
- d)  $45 + 44 =$
- e)  $53 + 46 =$

**Urugero:**

Ibinyacumi (c)	Ibinyabumwe (b)
5	6
+ 1	2
6	8
$56 + 12 = 68$	

## Igikorwa cya 12

Koresha imbonerahamwe y'ibara, ukuremo.

- a)  $78 - 17 =$
- b)  $56 - 45 =$
- c)  $94 - 31 =$
- d)  $56 - 45 =$
- e)  $85 - 53 =$

**Urugero:**

Ibinyacumi (c)	Ibinyabumwe (b)
4	9
- 2	4
2	5
$49 - 24 = 25$	

## Igikorwa cya 13

Ifashishe utubarisho, wuzurishe imibare ibura.

- a)  $26 = \square - 31$
- b)  $74 = 42 + \square$
- c)  $63 = \square - 14$
- d)  $58 = 41 + \square$
- e)  $42 = \square + 25$
- f)  $85 = 99 - \square$
- g)  $31 = \square - 35$
- h)  $29 = 40 - \square$

## Igikorwa cya 14

Koresha utubarisho, uteranye cyangwa ukuremo.

- a)  $(99 - 54) + 25 =$
- b)  $(72 + 15) - 34 =$
- c)  $(23 + 24) + 43 =$
- d)  $(44 + 52) - 52 =$
- e)  $(87 - 57) + 61 =$
- f)  $(50 + 40) - 70 =$
- g)  $(53 - 21) + 51 =$
- h)  $(42 + 57) - 62 =$
- i)  $(65 - 31) + 45 =$

## Igikorwa cya 15

Koresha utubarisho, utahure intera idahinduka yakoreshejwe.

**Urugero:** 33, 40, 47: Intera idahinduka ni 7 ( $40-33=7$ )

- a) 1, 3, 5, 7: Intera idahinduka ni
- b) 27, 20, 13: Intera idahinduka ni
- c) 41, 47, 53: Intera idahinduka ni
- d) 94, 90, 86: Intera idahinduka ni
- e) 25, 30, 35: Intera idahinduka ni

## Igikorwa cya 16

Ifashishe utubarisho mu kubara, wuzuze imibare ibura ahari utudomo.

- |                |   |                 |   |
|----------------|---|-----------------|---|
| a) 50, 54, 58, | <input type="text"/> , <input type="text"/> | g) 14, 19, 24,  | <input type="text"/> , <input type="text"/> |
| b) 97, 92, 87, | <input type="text"/> , <input type="text"/> | h) 35, 33, 31,  | <input type="text"/> , <input type="text"/> |
| c) 42, 50, 58, | <input type="text"/> , <input type="text"/> | i) 88, 90, 92,  | <input type="text"/> , <input type="text"/> |
| d) 56, 50, 44, | <input type="text"/> , <input type="text"/> | j) 73, 68, 63,  | <input type="text"/> , <input type="text"/> |
| e) 29, 25, 21, | <input type="text"/> , <input type="text"/> | k) 55, 61, 67,  | <input type="text"/> , <input type="text"/> |
| f) 87, 90, 93, | <input type="text"/> , <input type="text"/> | l) 71, 75, 79 , | <input type="text"/> , <input type="text"/> |

## Igikorwa cya 17

Mukore amahurizo akurikira:

- a) Gasaro afite imineke 35 musaza we Gatari afite imineke 42. Bombi bafite imineke ingahe?
- b) Muhoza yaguze ikaramu ya F50 n'umugati wa F40. Byombi yabyishyuye amafaranga angahe?
- c) Rugira afite imyaka 45 naho umugore we afite imyaka 32. Shaka igiteranyo k'imyaka yabo.

## Igikorwa cya 18

Uzuza imbonerahamwe zikurikira:

a)

X2	1	2	3	4	5	6	7	8	9	10

b)

:2	2	4	6	8	10	12	14	16	18	20

## Igikorwa cya 19

Siga ibara  $\frac{1}{2}$  cya buri gishushanyo.

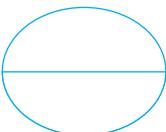
a)



b)



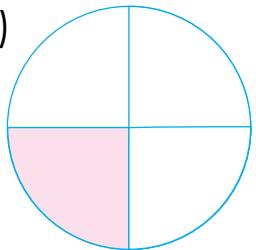
c)



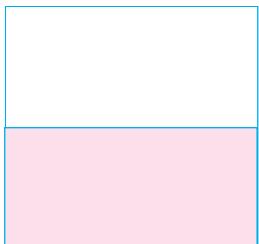
## Igikorwa cya 20

Andika umugabane ungana n'igice gisize ibara.

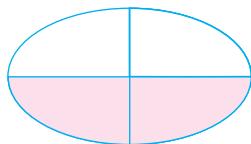
a)



b)



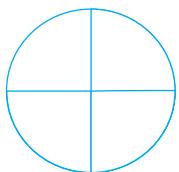
c)



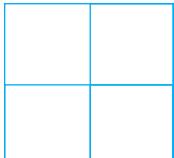
## Igikorwa cya 21

Siga ibara  $\frac{1}{4}$  cya buri gishushanyo.

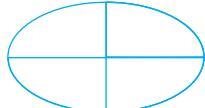
a)



b)



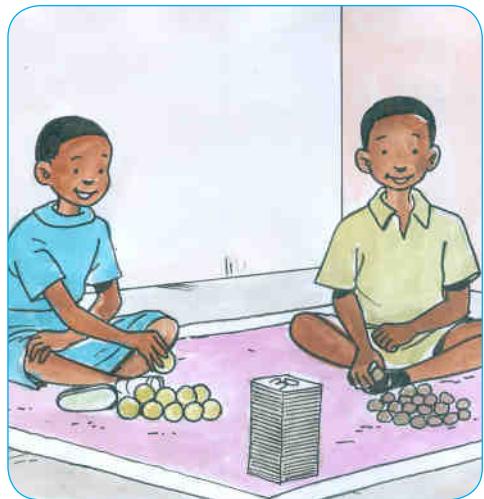
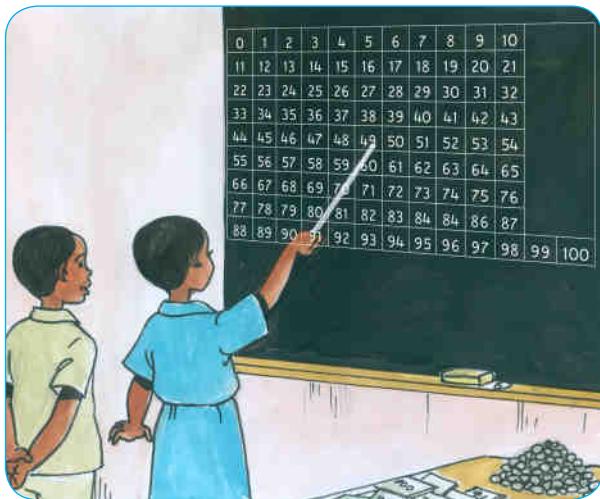
c)



# 1. Kubara, gusoma no kwandika imibare kuva kuri 0 kugera kuri 200

## Igikorwa cya 1

Itegereze amashusho, uvuge ibiri gukorwa.



## Igikorwa cya 2

Mukore akarundo k'utubuye 100, mwongereho utubuye 2, mubare utubuye mubonye.

## Igikorwa cya 3

Mukore akarundo k'utubuye 200, mubare mwerekana utubuye tugize akarundo mwakoze.

## Igikorwa cya 4

Mukore akarundo k'udushyimbo 200 mubare musubira inyuma, mukore akandi karundo k'udushyimbo 128.

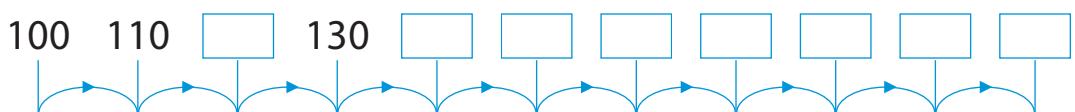
## Igikorwa cya 5

Mwitegereze uru rutonde, murusome muranguruye ijwi.

100	101	102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126	127	128	129
130	131	132	133	134	135	136	137	138	139
140	141	142	143	144	145	146	147	148	149
150	151	152	153	154	155	156	157	158	159
160	161	162	163	164	165	166	167	168	169
170	171	172	173	174	175	176	177	178	179
180	181	182	183	184	185	186	187	188	189
190	191	192	193	194	195	196	197	198	199
200									

## Igikorwa cya 6

Bara mu macumi, wuzuze umurongo w'ibara ukurikira.



## Igikorwa cya 7

Mutombore udupapuro twanditseho imibare:  
138,117, 136,186 na 174 mu gaseke, buri wese abwire bagenzi be umubare yatomboye.

## Igikorwa cya 8

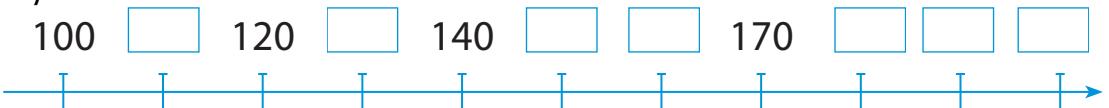
Mwitegerezé ishusho, namwe mukore urutonde rw'imbare kuva ku 100 kugera kuri 200.



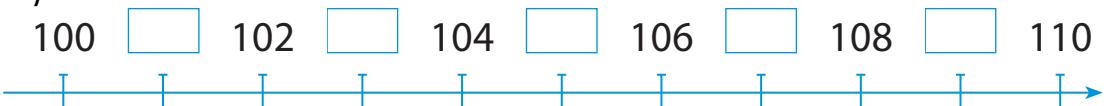
## Igikorwa cya 9

Uzuza imirongo y'ibara ikurikira:

a)



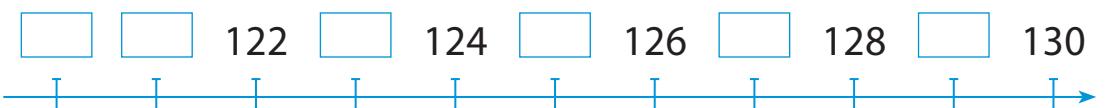
b)



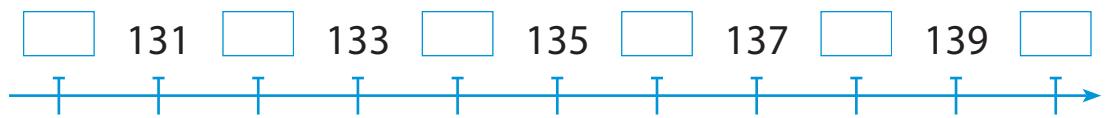
c)



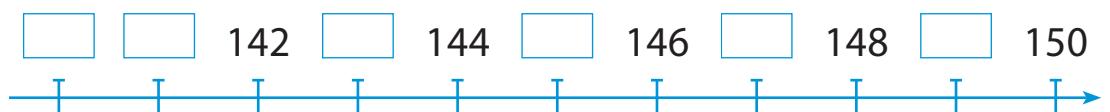
d)



d)



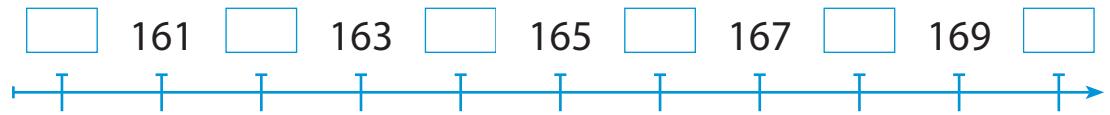
e)



f)



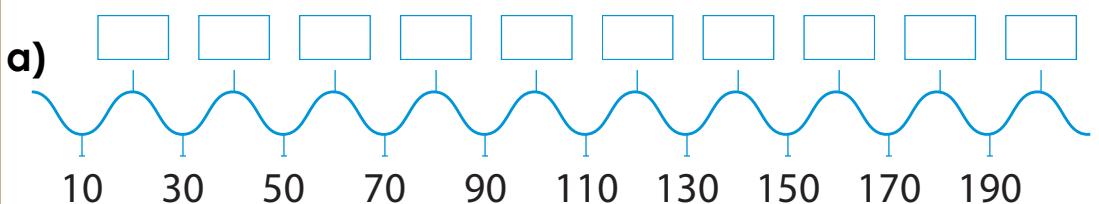
g)



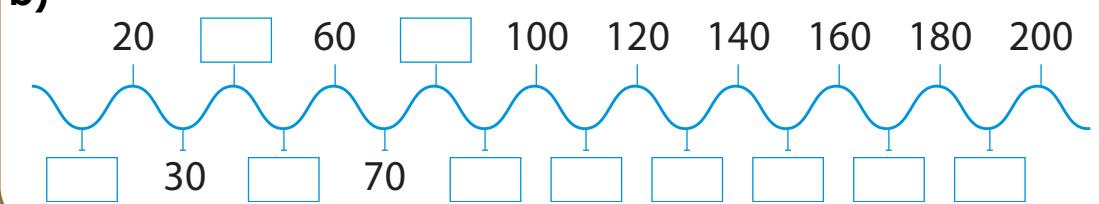
## Igikorwa cya 10

Mwuzuze iyi mirongo y'ibara, musome imibare iriho.

a)



b)



## Igikorwa cya 11

Mwandike mu magambo imibare yose iri hagati y'ivo mwahawwe.

- a) Kuva ku 100 kugera kuri 125
- b) Kuva ku 126 kugera kuri 150
- c) Kuva ku 151 kugera kuri 175
- d) Kuva ku 176 kugera kuri 200
- e) Kuva ku 161 kugera kuri 180
- f) Kuva ku 176 kugera kuri 190

## Igikorwa cya 12

Musome, mwandike mu magambo no mu mibare.

- a) Ijana na mirongo itatu na gatanu:
- b) 200:
- c) Ijana na mirongo inani na kane:
- d) 157:
- e) Ijana na makumyabiri na gatatu:

## Igikorwa cya 13

Babiri babiri, mwuzuze imbonerahamwe ikurikira:

200	199								190
150					145				140
110									100
170		168							160
130	129								120
190				185					180
140									130
120		117				113			110
160		158			154				150
180									170

## 2. Gusesengura imibare kuva kuri 0 kugera kuri 200

### Igikorwa cya 1

Andika iyi mibare mu mbonerahamwe ukurikiza urugero rwatanzwe.

#### Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
1	3	5

- a) 135    d) 128    g) 145    j) 167    m) 139  
b) 178    e) 193    h) 113    k) 184    n) 23  
c) 169    f) 127    i) 198    l) 147    o) 192

### Igikorwa cya 2

Mukoreshe imbonerahamwe y'isesengura mwuzuze buri mubare mu mwanya wawo.

- a) 113=j 1 c 1 b3    d) 146=j...c...b...    g) 179=j...c...b...  
b) 124=j ...c...b...    e) 157=j...c...b...    h) 180=j...c...b...  
c) 135=j ...c...b...    f) 168=j...c...b...    i) 191=j...c...b...

### Igikorwa cya 3

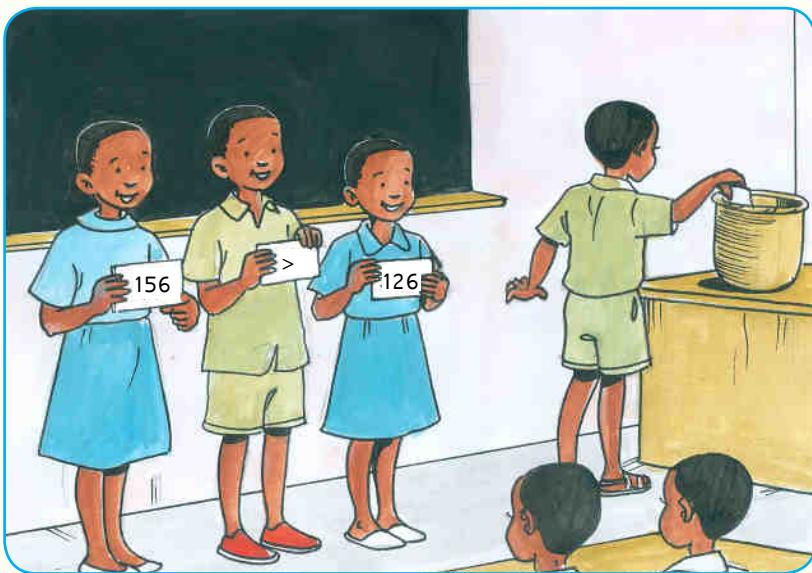
Andika umubare wasesenguwemo ibinyajana , ibinyacumi n' ibinyabumwe.

- |                  |                  |
|------------------|------------------|
| a) c 1 b 4 j 1 = | g) b 2 j 1 c 6 = |
| b) j 1 b 6 c 7 = | h) c 4 b 7 j 1 = |
| c) b 5 c 8 j 1 = | i) c 6 j 1 b 8 = |
| d) j 1 b 0 c 9 = | g) b 8 j 1 c 0 = |
| e) j 1 b 2 c 0 = | k) c 1 j 1 b 2 = |
| f) b 2 j 1 c 1 = | l) j 1 b 5 c 4 = |

### 3. Kugreranya imibare kuva kuri 0 kugera kuri 200

#### Igikorwa cya 1

Mutombore udupapuro turiho imibare n'uturiho ibimenyetso ( $<$ ,  $>$ ,  $=$ ). Mugereranye imibare musobanure igisubizo mwabonye.



#### Igikorwa cya 2

Mufate amakarita yanditseho imibare n'ibimenyetso by'igereranya:  $<$ ,  $>$  na  $=$  mugereranye.

##### Urugero:

a)  $\boxed{130} < \boxed{140}$

b)  $\boxed{179} = \boxed{179}$

c)  $\boxed{155} > \boxed{135}$

## Igikorwa cya 3

Musome, mugereranye amanota y'abanyeshuri.



Mu gusoza igihembwe abanyeshuri babonye amanota atandukanye kuri 200.

Kagabo afite 190, Yohani afite 151, Marita afite 173, Kalisa afite 180, Uwera afite 190.

Mugereranye amanota ya babiri babiri muvuge uko arutana.

- a) Kagabo na Marita
- b) Yohani na Marita
- c) Kagabo na Uwera
- d) Kalisa na Marita
- e) Kagabo na Yohani
- f) Kagabo na Kalisa
- g) Yohani na Kalisa
- h) Uwera na Marita

## Igikorwa cya 4

Itegereze iyi shusho, ugereranye amashu abanyeshuri basaruye.



**Umwaka wa mbere wasaruye:**

amashu 125

**Umwaka wa kabiri wasaruye:**

amashu 105

**Umwaka wa gatatu wasaruye:**

amashu 156

**Umwaka wa kane wasaruye:**

amashu 140

**Umwaka wa gatanu wasaruye:**

amashu 162

**Umwaka wa gatandatu wasaruye:**

amashu 158

**Mugereranye umusaruro:**

- a) w'umwaka wa 1 n'uw'umwaka wa 2.
- b) w'umwaka wa 2 n'uw'umwaka wa 3.
- c) w'umwaka wa 1 n'uw'umwaka wa 3.
- d) w'umwaka wa 4 n'uw'umwaka wa 5.
- e) w'umwaka wa 6 n'uw'umwaka wa 5.
- f) w'umwaka wa 2 n'uw'umwaka wa 5.
- g) w'umwaka wa 1 n'uw'umwaka wa 5.
- h) w'umwaka wa 2 n'uw'umwaka wa 4.
- i) w'umwaka wa 6 n'uw'umwaka wa 3.



## Reka ngereranye imibare nkoreshe <, > na =



- |        |                      |     |        |                      |     |
|--------|----------------------|-----|--------|----------------------|-----|
| a) 169 | <input type="text"/> | 169 | f) 163 | <input type="text"/> | 131 |
| b) 118 | <input type="text"/> | 185 | g) 122 | <input type="text"/> | 122 |
| c) 127 | <input type="text"/> | 127 | h) 181 | <input type="text"/> | 113 |
| d) 136 | <input type="text"/> | 167 | i) 190 | <input type="text"/> | 104 |
| e) 145 | <input type="text"/> | 158 | j) 101 | <input type="text"/> | 115 |

### 4. Gutondeka imibare kuva kuri 0 kugera kuri 200

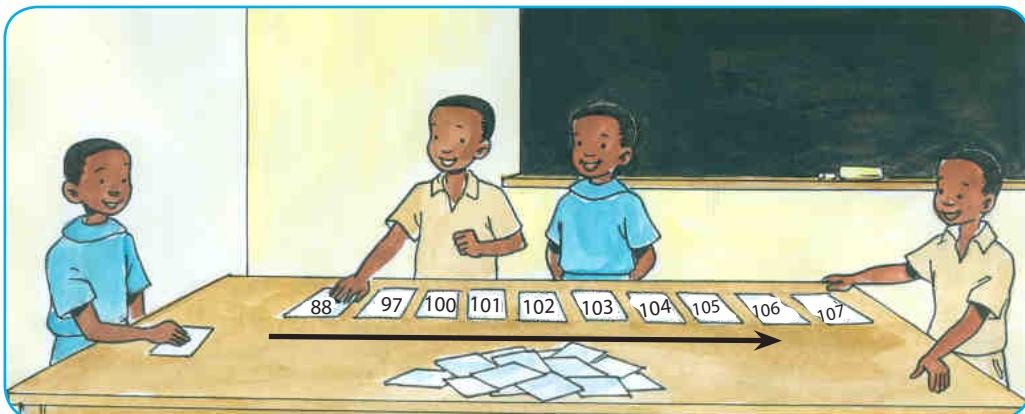
#### 1. Gutondeka imibare uva ku muto ujya ku munini

##### Igikorwa cya 1

Mukore uturundo tw'utubarisho 100, 150, 170, 180, 200 mutubare maze mutondeke imibare yatwo muhereye ku muto mujya ku munini.

##### Igikorwa cya 2

Mwitegerezze ishusho, mutondeke amakarita y'imibare muhereye ku mubare muto mujya ku munini.





## Reka ntondeke imibare mva ku muto njya ku munini



- a) 125, 175, 103      d) 145, 182, 123      g) 147, 179, 152
- b) 135, 184, 200      e) 142, 173, 165      h) 128, 109, 168
- c) 197, 100, 151      f) 109, 199, 137      i) 194, 121, 175

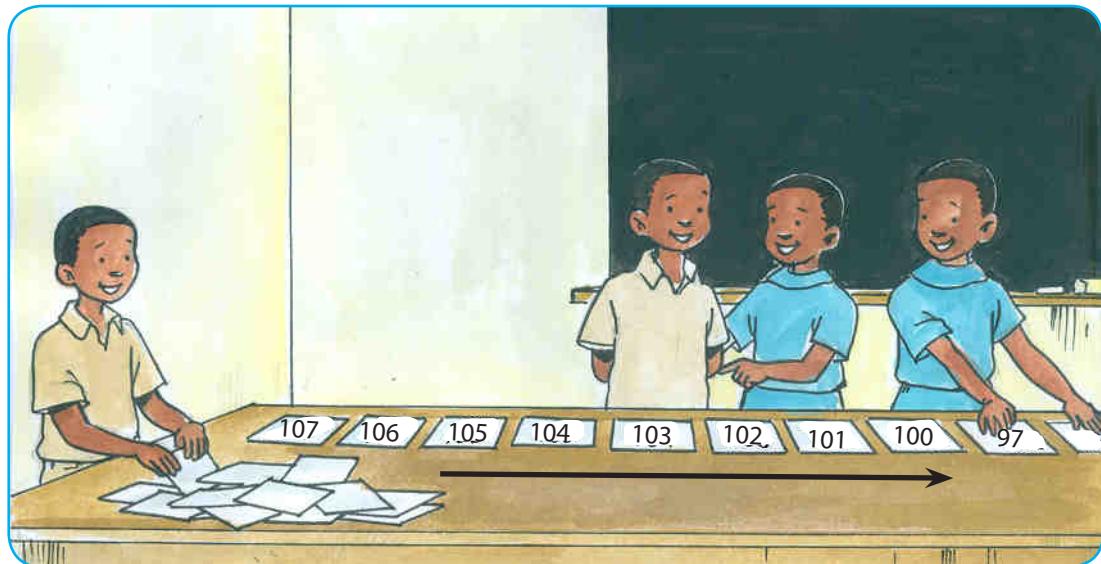
## 2. Gutondeka uva ku munini ujya ku muto

### Igikorwa cya 3

Mukore uturundo tw'utubarisho 115, 155, 195, 100, 170 mutubare, maze mutondeke imibare yatwo muhereye ku munini mujya ku muto.

### Igikorwa cya 4

Mutondeke amakarita y'imibare muhereye ku mubare munini mujya ku muto.



## Igikorwa cya 5

Mutondeke imibare ikurikira muhereye ku munini mujya ku muto.

- a) 152, 175, 130      c) 179, 100, 115      e) 124, 137, 156  
b) 153, 148, 200      d) 154, 128, 132      f) 190, 199, 173



### Reka nkore



1. Tondeka uhoreye ku mubare muto ujya ku munini.  

a) 142,124,138	f) 176,167,179
b) 129,192,119	g) 105, 150,158
c) 138,183,108	h) 124,104,142
d) 174,147,107	i) 108,180,184
e) 173,137,183	j) 134,104,143
  
2. Tondeka uhoreye ku mubare munini ujya ku muto.  

a) 138,174,183	f) 172,127,192
b) 123,132,129	g) 178,187,124
c) 172, 127,107	h) 163,106,136
d) 146,106,164	i) 139,109,193
e) 194,149,191	j) 163,143,123

## 5. Guteranya imibare kuva kuri 0 kugera kuri 200

### 1. Guteranya imibare mu mutwe

#### Igikorwa cya 1

Babiri babiri mukoreshe amakarita, muteranye mu mutwe.



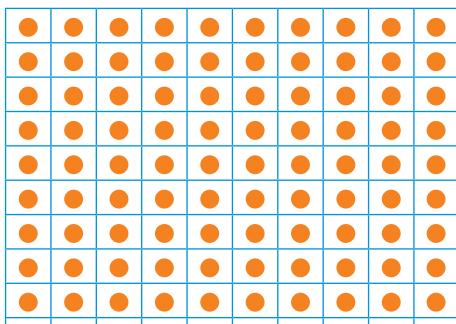
#### Igikorwa cya 2

Bara maze wandike igisubizo mu kazu

a)

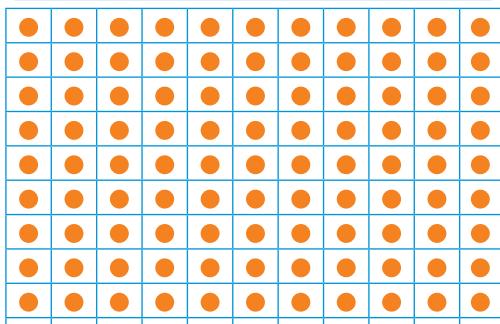
100

+ 10 =



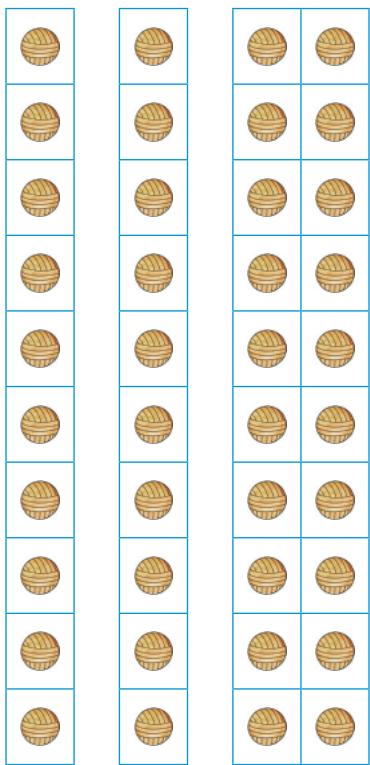
10 10 10 10 10 10 10 10 10 10

10



10 10 10 10 10 10 10 10 10 10

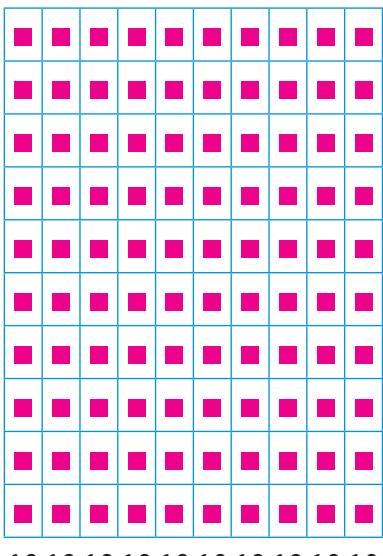
b)  $10 + 10 =$



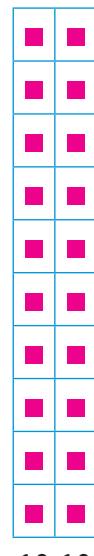
c)  $20 + 10 =$



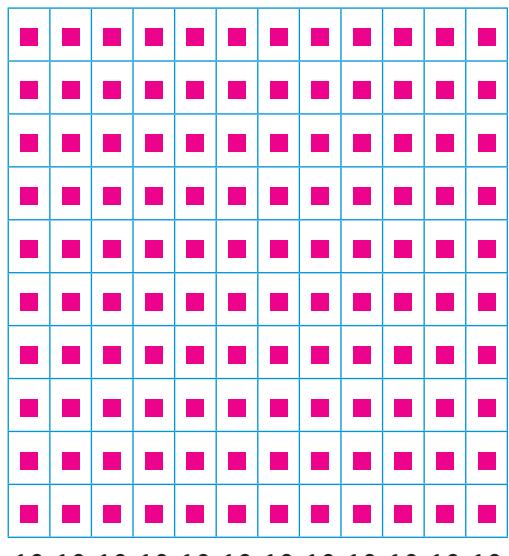
d)  $100 + 20 =$



10 10 10 10 10 10 10 10 10 10



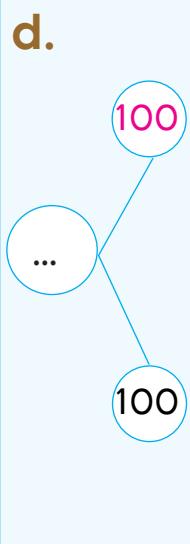
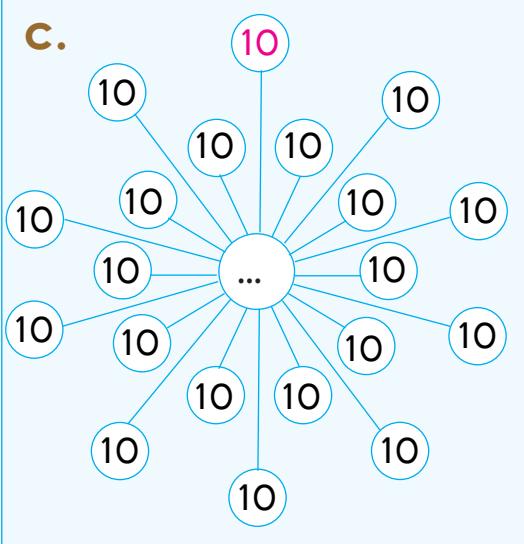
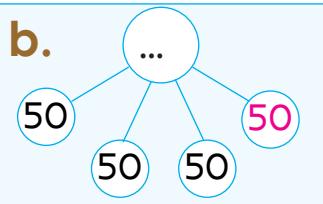
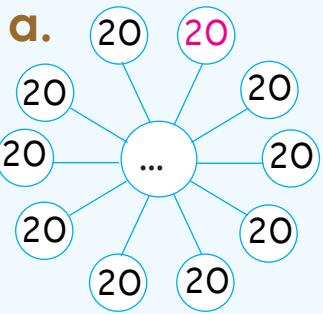
10 10



10 10 10 10 10 10 10 10 10 10

## Igikorwa cya 3

Hera ku mubare urimo ibara ritukura, uteranye wandike igisubizo ahabugenewe.



## 2. Iteranya ritabitsa

### Igikorwa cya 4

Mukoreshe uturundo 2, kamwe mugashyiremo utubarisho 95, akandi mugashyiremo utubarisho 104. Mufate utubarisho two mu karundo ka mbere mutwongere mu karundo ka kabiri, muvuge umubare mubonye.

### Igikorwa cya 5

Ifashishe utubarisho mu kubara wuzuze.

- a)  $101 + \boxed{\quad} = 142$
- e)  $103 + \boxed{\quad} = 156$
- i)  $105 + \boxed{\quad} = 156$
- b)  $155 + \boxed{\quad} = 178$
- f)  $100 + \boxed{\quad} = 138$
- j)  $134 + \boxed{\quad} = 178$
- c)  $166 + \boxed{\quad} = 186$
- g)  $127 + \boxed{\quad} = 147$
- k)  $162 + \boxed{\quad} = 196$
- d)  $101 + \boxed{\quad} = 164$
- h)  $118 + \boxed{\quad} = 159$
- l)  $112 + \boxed{\quad} = 146$

## Igikorwa cya 6

Mwifashishe amakarita yanditseho imibare n'ariho ibimenyetso byo  $+$  na  $=$

- A. 

121	132	114	102	153	162
41	45	62	71	22	34
196	175	177	173	162	176
- B. 

41	45	62	71	22	34
121	132	114	102	153	162
196	175	177	173	162	176
- C. 

121	132	114	102	153	162
41	45	62	71	22	34
196	175	177	173	162	176

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cya  $+$
- Mukurikizeho ikarita yo muri B
- Mukurikizeho ikarita iriho ikimenyetso cya  $=$
- Muhitemo igisubizo mu makarita yo muri C

Urugero:

$$121 + 41 = 162$$

## Igikorwa cya 7

Kora iyi myitozo ukurikije urugero wahawé.

Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
1	2	3
+ ↓	7	4
1	9	7

- a)  $123 + 75 =$       d)  $72 + 125 =$       g)  $191 + 6 =$   
b)  $147 + 51 =$       e)  $135 + 62 =$       h)  $61 + 135 =$   
c)  $182 + 16 =$       f)  $152 + 45 =$       i)  $112 + 77 =$



Reka nteranye



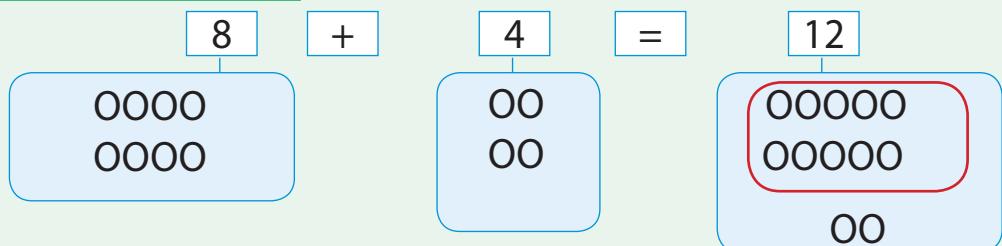
- a)  $121 + 47 =$       c)  $105 + 93 =$       e)  $123 + 46 =$   
b)  $138 + 40 =$       d)  $104 + 55 =$       f)  $154 + 30 =$

### 3. Iteranya ribitsa

#### Igikorwa cya 8

Itegereze, ubare, maze uteranye imibare iri mu mbonerahamwe

Urugero:



$$12 = 10 + 2$$

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
1	3	4
+ ↓	2	8
1	6	2

$$12 = 10 + 2, \text{ twandika ibinyabumwe } 2$$

tukabitsa 10 mu mwanya w'ibinyacumi



Reka nkore



- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| a) $125 + 67 =$ | g) $117 + 75 =$ | m) $171 + 28 =$ |
| b) $134 + 48 =$ | h) $154 + 28 =$ | n) $185 + 15 =$ |
| c) $146 + 29 =$ | i) $165 + 28 =$ | o) $192 + 8 =$  |
| d) $136 + 42 =$ | j) $174 + 21 =$ | p) $116 + 59 =$ |
| e) $104 + 64 =$ | k) $156 + 39 =$ | r) $123 + 48 =$ |
| f) $126 + 72 =$ | l) $146 + 48 =$ | s) $136 + 59 =$ |

## Nsobanukiwe ko:

- Iyo uteranya imibare uhera ku binyabumwe.
- Iyo igiteranyo k'ibinyabumwe kingana cyangwa kiruta icumi (10) urabitsa.
- Wandika ibinyabumwe by'icyo giteranyo, 10 rigize ikinyacumi 1 ukaryongera ku binyacumi, ugakomeza utyo.



### Reka nkore



- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| a) $105 + 58 =$ | e) $137 + 26 =$ | i) $89 + 27 =$  |
| b) $77 + 96 =$  | f) $88 + 45 =$  | j) $65 + 108 =$ |
| c) $139 + 43 =$ | g) $149 + 36 =$ | k) $34 + 98 =$  |
| d) $85 + 46 =$  | h) $73 + 49 =$  | l) $98 + 86 =$  |

## 6. Amahurizo yo guteranya imibare kuva kuri 0 kugera kuri 200



### Reka dukore amahurizo dukurikiza urugero twahawe



### Urugero:

Ikigo cyacu cyakiriye abanyeshuri bashya 123 mu cyumweru cya mbere naho mu cyumweru cya kabiri bakira abanyeshuri 54. Shaka umubare w'abanyeshuri baje muri ibyo byumweru byombi?

### Igisubizo:

Umubare w'abanyeshuri  $123 + 54 = 177$

Abanyeshuri baje mu byumweru byombi ni 177

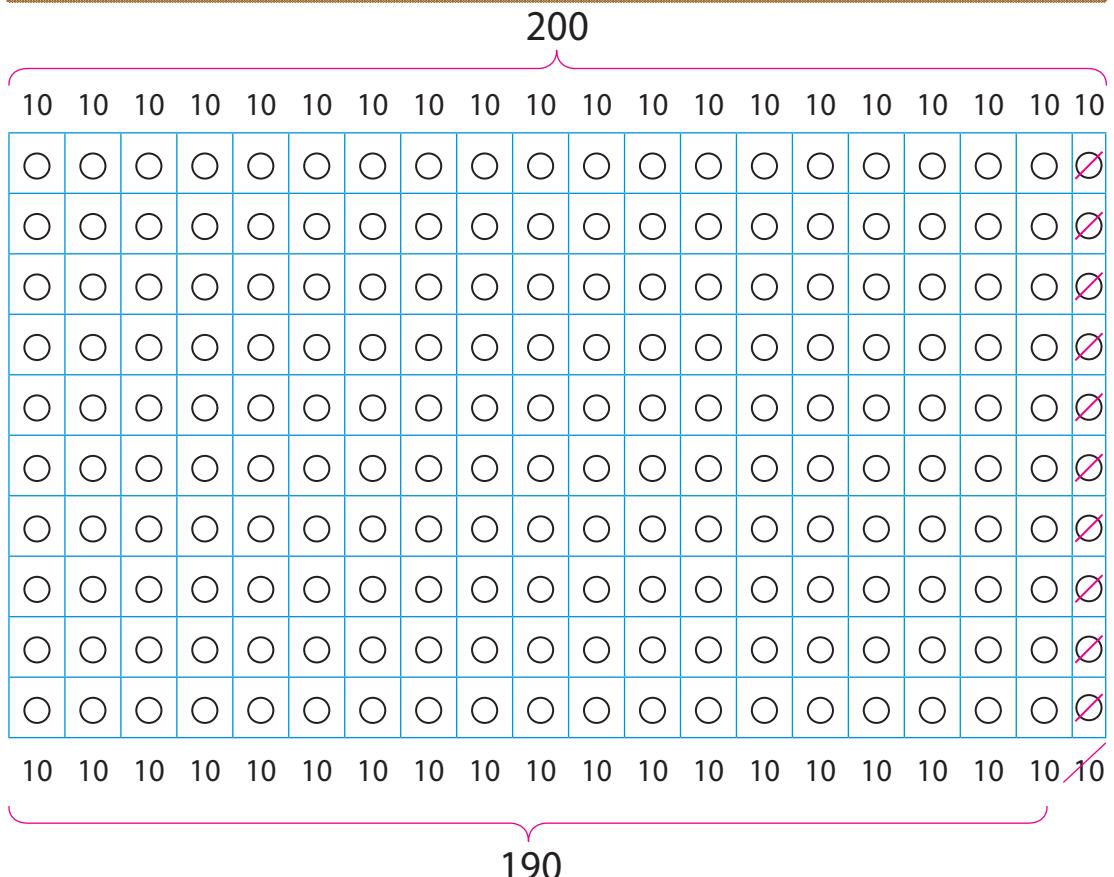
1. Uwase yari afite amanota 120. Uyu munsi yabonye amanota 40 ubwo amaze kugira amanota angahe?
2. Hirwa yaguze ibigori 100 ageze mu rugo ahasanga ibindi bigori 12 bamuzaniye ubwo yagize ibigori bingahe?
3. Kangabe yaguze ibitabo 65 by'imibare n'ibitabo 95 by'Ikinyarwanda. Ubwo yaguze ibitabo bingahe?
4. Umudugudu wa Kabeza wateye ibiti 112 ku muganda. Naho uwa Kigabiro utera ibiti 88. Shaka igiteranyo k'ibiti byatewe n'iyo Midugudu yombi ?
5. Amashuri y'umwaka wa kabiri afite abanyeshuri 111 b'abahungu n'abakobwa 89. Shaka umubare w'abanyeshuri biga muri ayo mashuri.?
6. Uwamahoro afite inkoko 142 naho musaza we Nkusi afite inkoko 32. Ubwo bombi bafite inkoko zingahe?
7. Sogokuru afite imyaka 74 naho nyogokuru akagira imyaka 69. Bombi bafite imyaka ingahe yose hamwe?
8. Mugabo yaranguje amagi 108 ku wa Mbere. Ku wa Kabiri aranguza amagi 87. Yaranguje amagi angahe muri iyo minsi ibiri ?
9. Kaneza afite inka 137 z'imbyeyi n'inka 46 z'ibimasa. Shaka umubare w'inka atunze zose hamwe?

## 7. Gukuramo imibare kuva kuri 0 kugera kuri 200

### 1. Gukuramo imibare mu mutwe

#### Igikorwa cya 1

Itegereze imbonerahamwe ukurikize urugero ukore umwitozo wo gukuramo 10.



**Urugero:**  $200 - 10 = 190$

- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| a) $190 - 10 =$ | e) $150 - 10 =$ | i) $110 - 10 =$ |
| b) $180 - 10 =$ | f) $140 - 10 =$ | j) $100 - 10 =$ |
| c) $170 - 10 =$ | g) $130 - 10 =$ | k) $90 - 10 =$  |
| d) $160 - 10 =$ | h) $120 - 10 =$ | l) $80 - 10 =$  |

## 2. Ikuramo ridatira

### Igikorwa cya 2

Mwifashishe utubarisho 125. Mukuremo utubarisho 23. Mubare utubarisho dusigaye muvuge umubare w'utubarisho dusigaye.

### Igikorwa cya 3

Mukoreshe utubarisho mwuzuze umubare ubura.

- a)  $100 = \boxed{\quad} - 24$    e)  $155 = 195 - \boxed{\quad}$    i)  $174 - \boxed{\quad} = 124$   
b)  $120 = \boxed{\quad} - 58$    f)  $130 = 178 - \boxed{\quad}$    j)  $\boxed{\quad} - 78 = 120$   
c)  $115 = \boxed{\quad} - 40$    g)  $187 - \boxed{\quad} = 47$    k)  $\boxed{\quad} - 36 = 162$   
d)  $150 = 175 - \boxed{\quad}$    h)  $166 - \boxed{\quad} = 140$    l)  $\boxed{\quad} - 125 = 52$

### Igikorwa cya 4

Mwifashishe amakarita yanditeho imibare n'ariho ibimenyetso bya  $\boxed{-}$ ,  $\boxed{=}$

A	121	132	114	182	153	144
B	21	30	11	31	33	14
C	120	130	151	102	100	103

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cya  $\boxed{-}$
- Mukurikizeho ikarita yo muri B
- Mukurikizeho ikarita iriho ikimenyetso cya  $\boxed{=}$
- Muhitemo igisubizo mu makarita yo muri C

Urugero:

$$121 \quad \boxed{-} \quad 21 \quad \boxed{=} \quad 100$$

## Igikorwa cya 5

Mukoreshe imbonerahamwe y'ibara, mukore iyi myitozo mukurikije urugero mwahawe.

**Urugero:**

174

—

23

=

151

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
1	7	4
-	2	3
1	5	1

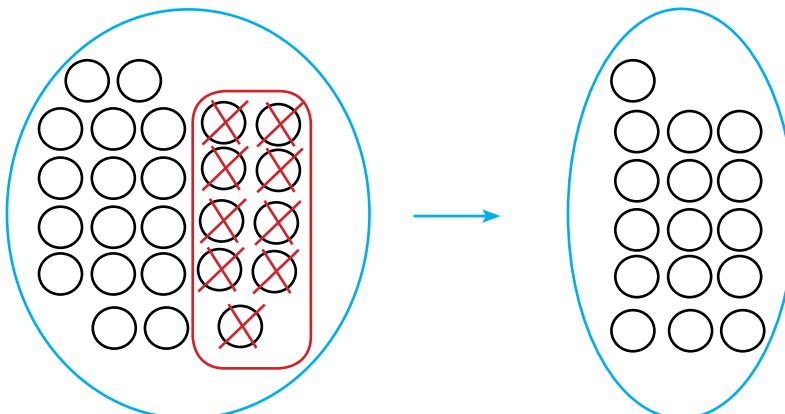
- a)  $186 - 75 =$       d)  $165 - 62 =$       g)  $189 - 77 =$   
b)  $187 - 51 =$       e)  $156 - 45 =$       h)  $164 - 22 =$   
c)  $189 - 16 =$       f)  $196 - 56 =$       i)  $193 - 131 =$

## 3. Ikuramo ritira

### Igikorwa cya 6

Mwitegerezze urugero, muganira ku byakozwe.

#### Uburyo bwa mbere



## Uburyo bwa kabiri

Ibinyacumi (c)	Ibinyabumwe (b)
1	
2	10 + 5
-	9
1	6

5 - 9 ntibishoboka,  
 ndatira ikinyacumi 1  
 kingana  
 n'ibinyabumwe 10  
 nongere ku  
 binyabumwe 5  
 $b_{10} + b_5 = b_{15}$ ,  
 ndafata  $15 - 9 = 6$   
 hanyuma manure  
 ikinyacumi 1.

## Igikorwa cya 7

Mukoreshe imbonerahamwe y'ibara, mukuremo imibare  
 mukurikije urugero mwahawé.

### Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
0	10 + 0	
1 ↓	1	10 + 2
0	4	5

- a)  $152 - 47 =$       f)  $143 - 48 =$       k)  $164 - 39 =$   
 b)  $171 - 57 =$       g)  $145 - 28 =$       l)  $165 - 58 =$   
 c)  $196 - 72 =$       h)  $131 - 129 =$       m)  $182 - 156 =$   
 d)  $192 - 164 =$       i)  $174 - 138 =$       n)  $129 - 76 =$   
 e)  $139 - 117 =$       j)  $178 - 139 =$       o)  $148 - 129 =$

## Nsobanukiwe ko:

Iyo ukuramo imibare uhera ku binyabumwe. Wasanga ibinyabumwe ari bike ku bikurwamo, ugatira ikinyacumi kimwe kingana n'ibinyabumwe icumi, ukabyongera kuri bya binyabumwe byari bike maze ugakuramo. Ukandika igisubizo. Ukomeza utyo, ukuramo ibinyacumi n'ibinyajana.



### Reka nkore



- |    |            |   |    |              |    |              |
|----|------------|---|----|--------------|----|--------------|
| a) | $105 - 58$ | = | d) | $85 - 46 =$  | g) | $146 - 39 =$ |
| b) | $97 - 68$  | = | e) | $136 - 27 =$ | h) | $73 - 49 =$  |
| c) | $193 - 34$ | = | f) | $105 - 86 =$ | i) | $87 - 29 =$  |

## 8. Amahurizo yo gukuramo imibare kuva kuri 0 kugera kuri 200



### Reka dukore amahurizo dukurijke urugero twahawe



### Urugero:

Ku munsi w'inama y'ababyeyi hitabiriye ababyeyi 197. Muri bo 88 bari abagore. Ubwo abagabo bitabiriye inama ni bangahe?

### Igisubizo:

Abagabo bitabiriye inama	$197 - 88 = 109$
Abagabo bitabiriye inama ni	109

1. Ku ishuri dufite inkoko 200 nibatekamo inkoko 50 hazasigara inkoko zingahe?
2. Uwera yaguze amagi 170 ageze ku iduka rye acuruzaho amagi 60 ubwo yasigaranye amagi angahe?
3. Mugisha yabonye amanota 156. Ubwo yabuze amanota angahe ngo agire amanota 200.
4. Shimwa yasaruye imifuka 166 y'umuceri naho Shema asarura imifuka 187 y'umuceri. Ni nde wasaruye umuceri mwinshi? Yamurushije imifuka y'umuceri ingahe?
5. Keza yaguze ibigori 178 maze ibigori 69 babitekera abashyitsi. Ubwo yasigaranye ibigori bingahe?
6. Kayiranga yasaruye inanasi 195, azijanye ku isoko acuruza inanasi 139 izindi zirasigara. Yasigaranye inanasi zingahe ?
7. Umudugudu wacu urimo ingo 187. Niba ingo 149 muri zo zoroye inka, ubwo Umudugudu wacu urimo ingo zingahe zitoroye inka?
8. Muhizi afite imifuka 187 ya sima. Niba yarakuyemo imifuka 139 ya sima akayubakisha inzu yasigaranye imifuka ya sima ingahe ?
9. Mu Mudugudu wa Bwiza harimo ingo 172. Niba ingo 148 muri zo zarafashe mituweli, hasigaye ingo zingahe zitabonye mituweli?

## 9. Mara ya 2 n'ibikubo bya 2

### Igikorwa cya 1

Mukore uturundo tw'utubarisho tubiri tubiri ku buryo bukurikira: akarundo 1; uturundo 2, 3, 4, 5 ,6 , 7, 8, 9, 10 muvuge umubare mwabonye muri buri karundo.



$$2 \times 1 = 2$$



$$2 \times 2 = 4$$



$$2 \times 3 = 6$$



$$2 \times 4 = 8$$



$$2 \times 5 = 10$$



$$2 \times 6 = 12$$



$$2 \times 7 = 14$$



$$2 \times 8 = 16$$



$$2 \times 9 = 18$$



$$2 \times 10 = 20$$

### Igikorwa cya 2

Uzurisha imibare ibura.

- a)  $2 = 2 \times \boxed{\quad}$
- d)  $8 = \boxed{\quad} \times 2$
- g)  $14 = 2 \times \boxed{\quad}$
- j)  $20 = \boxed{\quad} \times 2$
- b)  $4 = 2 \times \boxed{\quad}$
- e)  $10 = 2 \times \boxed{\quad}$
- h)  $16 = \boxed{\quad} \times 2$
- c)  $6 = 2 \times \boxed{\quad}$
- f)  $12 = \boxed{\quad} \times 2$
- i)  $18 = 2 \times \boxed{\quad}$



## Reka nkore

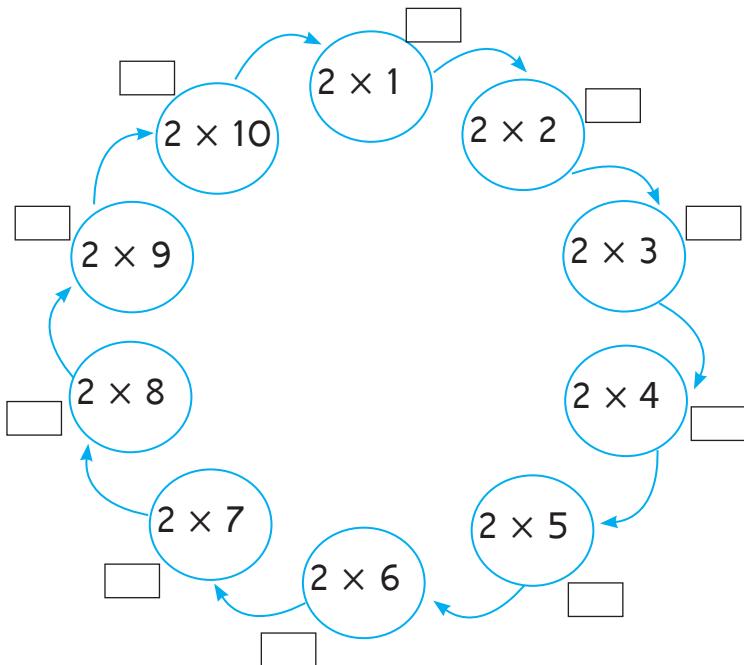


### 1. Uzuza umubare ubura

a)

$\times 2$	0	1	2	3	4	5	6	7	8	9	10
...	...	...	...	...	...	...	...	...	...	...	...

b)



### 2. Uzuza iyi mbonerahamwe

c)

$\times 2$	0	...	2	...	4	...	6	...	8	...	10	$\rightarrow :2$
...	2	...	6	...	10	...	14	...	18	...	...	

### 3. Gereranya

a)  $10 + 10$    $2 \times 10$

d)  $4 + 4$    $2 \times 4$

b)  $5 + 5$    $2 \times 5$

e)  $8 + 8$    $2 \times 8$

c)  $9 + 9$    $2 \times 9$

f)  $3 + 3$    $2 \times 3$

## 10. Gukubisha 2 imibare y'imibarwa ibiri

### Igikorwa cya 3

Mukoreshe imbonerahamwe y'ibara, mukore imyitozo ikurikira mukurikiza urugero mwahawe:

#### Urugero:

Ibinyacumi (c)	Ibinyabumwe (b)
1	0
X	2
2	0

- a)  $2 \times 11 =$       d)  $2 \times 14 =$       g)  $2 \times 22 =$       j)  $2 \times 31 =$   
b)  $2 \times 12 =$       e)  $2 \times 20 =$       h)  $2 \times 23 =$       k)  $2 \times 32 =$   
c)  $2 \times 13 =$       f)  $2 \times 21 =$       i)  $2 \times 30 =$       l)  $2 \times 33 =$

#### Nsobanukiwe ko:

Iyo ukuba imibare, uheraku binyabumwe ujya ku binyacumi.

## 11. Amahurizo yo gukuba imibare na 2



Reka dukore amahurizo  
dukurikije urugero twahawe



#### Urugero:

Mu cyumba k'inama harimo intebe 42. Intebe imwe yicayeho abantu 2. Shaka umubare w'abantu bari muri icyo cyumba.

#### Igisubizo:

Umubare w'abantu  $2 \times 42 = 84$

Umubare w'abantu bari mu cyumba ni 84.

1. Abanyeshuri 30 buri umwe yavomye utujerikani 2. Ubwo bose hamwe bavomye utujerikani tungahe?
2. Mu banyeshuri 34 buri wese yasaruye amashu 2. Shaka umubare w'amashu yose hamwe yasaruwe.
3. Umuhanda ufite amatara 33 kuri buri ruhande. Ufite amatara angahe ku mpande zombi?

## 12. Igabanya ridasagura ry'imibare y'imibarwa ibiri cyangwa itatu na 2

### Igikorwa cya 1

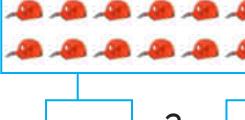
Mubare umubare w'ibintu biri mu kirundo mufite muwandike ahabugenewe. Mubigabanyemo uturundo 2 tungana maze muvuge ibyo mubonye muri buri karundo; mwandike umubare ahabugenewe.

a)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

b)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

c)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

d)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

e)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

e)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

f)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

g)   $\boxed{\phantom{0}} : 2 = \boxed{\phantom{0}}$

## Igikorwa cya 2

Uzuza iyi mbonerahamwe ukurikije urugero wahawe.

:2	2	4	6	8	10	12	14	16	18	20
	1	...	...	...	5	...	...	...	...	...



### Reka nkore



- a)  $20 : 2 =$       d)  $14 : 2 =$       g)  $8 : 2 =$       j)  $2 : 2 =$   
b)  $18 : 2 =$       e)  $12 : 2 =$       h)  $6 : 2 =$       k) ... : 2 = 3  
c)  $16 : 2 =$       f)  $10 : 2 =$       i) 4 : 2 =      l) ... : 2 = 7



### Imyitozo

Uzurisha imibare ibura.

- a)  $\boxed{\quad} : 2 = 7$       e)  $\boxed{\quad} : 2 = 3$   
b)  $\boxed{\quad} : 2 = 9$       f)  $\boxed{\quad} : 2 = 2$   
c)  $\boxed{\quad} : 2 = 5$       g)  $\boxed{\quad} : 2 = 6$   
d)  $\boxed{\quad} : 2 = 8$       h)  $\boxed{\quad} : 2 = 4$

### Nsobanukiwe ko:

**Kugabanya** bidufasha **gusangira n'abandi**, kugabana turinganiza tudacura abandi. Ni umuco mwiza ugaragaza urukundo no kutabera.

## Igikorwa cya 4

Mugabanye imibare ikurikira mukurikije urugero mwahawe:

### Urugero:

$$64 : 2 = 32$$

$$\begin{array}{r} 6 \ 4 \\ - 6 \\ \hline 0 \ 4 \\ - 4 \\ \hline 0 \ 0 \end{array}$$

A pink arrow points from the tens column of the first subtraction step to the tens digit of the result.

### Uko byakozwe:

Ibinyacumi (c)	Ibinyabumwe (b)
$6 : 2 = 3$	$4 : 2 = 2$

$$60 : 2 = 30$$

- a)  $22$  | 2      d)  $26$  | 2      g)  $28$  | 2      j)  $86$  | 2  
b)  $88$  | 2      e)  $78$  | 2      h)  $24$  | 2      k)  $96$  | 2  
c)  $38$  | 2      f)  $76$  | 2      i)  $98$  | 2      l)  $52$  | 2



### Reka nandike mu mahembe ngabanye



- a)  $48 : 2 =$       f)  $68 : 2 =$       k)  $44 : 2 =$   
b)  $60 : 2 =$       g)  $80 : 2 =$       l)  $20 : 2 =$   
c)  $62 : 2 =$       h)  $82 : 2 =$       m)  $40 : 2 =$   
d)  $64 : 2 =$       i)  $42 : 2 =$       n)  $22 : 2 =$   
e)  $66 : 2 =$       j)  $46 : 2 =$       o)  $84 : 2 =$



## Reka ndebere ku rugero nkore



### Urugero:

$$\begin{array}{r}
 1 \boxed{2} 0 \\
 - 1 2 \\
 \hline
 0 0 0 \\
 - 0 \\
 \hline
 0
 \end{array}$$

1 : 2 ntibishoboka  
 Turafata imibare ibiri (12)  
 $12 : 2 = 6$   
 $0 : 2 = 0$

- a)  $200 : 2 =$       d)  $184 : 2 =$       g)  $168 : 2 =$   
 b)  $188 : 2 =$       e)  $182 : 2 =$       h)  $166 : 2 =$   
 c)  $186 : 2 =$       f)  $180 : 2 =$       i)  $164 : 2 =$

### Nsobanukiwe ko:

Iyo umubarwa wa 1 utagabanyika na 2, ufata ukurikiyeho, ukagira imibarwa ibiri ukagabanya.

## 13. Amahurizo yo kugabanya imibare na 2



### Reka dukore amahurizo dukurikije urugero twahawe



### Urugero:

Gabanya ku buryo bungana ibitabo 148 ibigo by'amashuri 2. Buri kigo uzagiha ibitabo bingahe?

### Igisubizo:

Buri kigo nzagiha ibitabo  $148 : 2 = 74$

Buri kigo kizabona ibitabo 74

1. Gabanya ku buryo bungana amakayi 48 abanyeshuri 2. Buri wese azamuha amakaye angahe?
2. Ku munsi w'ibirori twateye intebe 100 mu mahema abiri. Buri hema ryagiyemo intebe zingahe?

## 14. Mara ya 3 n'ibikubo bya 3

### Igikorwa cya 1

Mukore uturundo tw'utubarisho dutatu dutatu ku buryo bukurikira: akarundo 1; uturundo 2, 3, 4, 5, 6 ,7, 8, 9,10. Muvuge umubare mwabonye kuri buri nshuro.

$$3 \times 1 = 3$$

$$3 \times 2 = 6$$

$$3 \times 3 = 9$$

$$3 \times 4 = 12$$

$$3 \times 5 = 15$$

$$3 \times 6 = 18$$

$$3 \times 7 = 21$$

$$3 \times 8 = 24$$

$$3 \times 9 = 27$$

$$3 \times 10 = 30$$

## Igikorwa cya 2

Uzurisha umubare ubura.

a)  $3 = \square \times 3$

d)  $12 = 3 \times \square$

g)  $21 = \square \times 3$

b)  $6 = 3 \times \square$

e)  $15 = \square \times 3$

h)  $24 = 3 \times \square$

c)  $9 = \square \times 3$

f)  $18 = 3 \times \square$

i)  $27 = \square \times 3$



Reka nkore

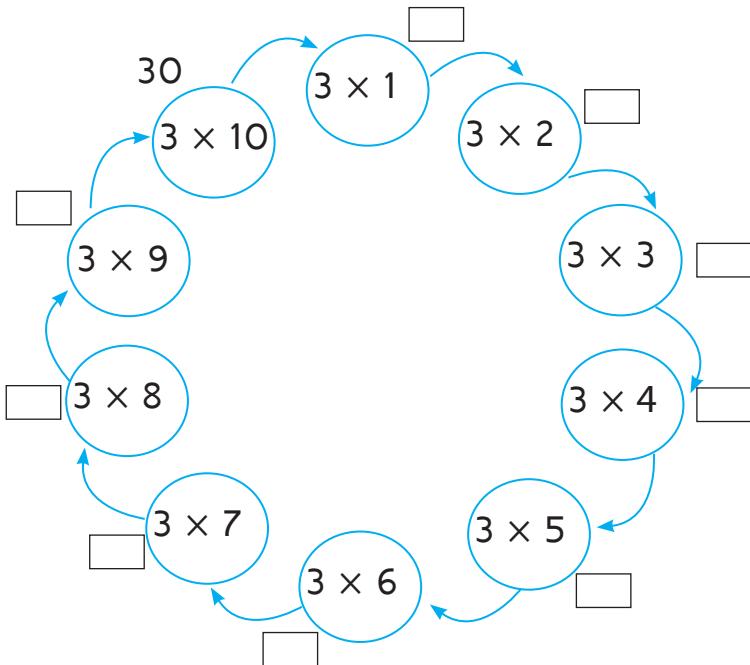


### 1. Uzuza umubare ubura.

a)

$\times 3$	1	2	3	4	5	6	7	8	9	10
	...	...	...	...	...	...	...	...	...	...

b)



### 2. Uzuza iyi mbonerahamwe.

$\times 3$	0	...	2	...	4	...	6	...	8	...	10	$:3$
	...	3	...	9	...	15	...	21	...	27	...	

### 3. Gereranya

- |               |                      |               |            |                      |              |
|---------------|----------------------|---------------|------------|----------------------|--------------|
| a) $10+10+10$ | <input type="text"/> | $3 \times 10$ | d) $4+4+4$ | <input type="text"/> | $3 \times 4$ |
| b) $5+5+5$    | <input type="text"/> | $3 \times 5$  | e) $8+8+8$ | <input type="text"/> | $3 \times 8$ |
| c) $9+9+9$    | <input type="text"/> | $3 \times 9$  | f) $3+3+3$ | <input type="text"/> | $3 \times 3$ |

## 15. Gukubisha 3 imibare y'imibarwa ibiri

### Igikorwa cya 1

Mukoreshe imbonerahamwe y'ibara, mukore iyi myitozo mukurikije urugero mwahawe.

Urugero:	Ibinyacumi (c)	Ibinyabumwe (b)
	1	0
X		3
	3	0

- a)  $3 \times 11 =$     d)  $3 \times 20 =$     g)  $3 \times 23 =$     j)  $3 \times 32 =$   
b)  $3 \times 12 =$     e)  $3 \times 21 =$     h)  $3 \times 30 =$     k)  $3 \times 33 =$   
c)  $3 \times 13 =$     f)  $3 \times 22 =$     i)  $3 \times 31 =$     l)  $3 \times 41 =$

### Nsobanukiwe ko:

Iyo ukuba imibare uhera ku binyabumwe ujya ku binyacumi.

### Igikorwa cya 2

Mukube mukurikije urugero mwahawe.

#### Urugero:

$$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \\ 3 \end{array}$$

- a) 21      b) 22      c) 23      d) 30

$$\begin{array}{r} \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 41 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} \text{f) } 32 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} \text{g) } 33 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} \text{h) } 40 \\ \times 3 \\ \hline \end{array}$$

## 16. Amahurizo yo gukuba imibare na 3



**Reka dukore amahurizo  
dukurikije urugero twahawe**



### Urugero:

Abana 51 bateye ibiti 3 by'amacunga buri umwe. Ubwo bose hamwe bateye ibiti bingahe?

### Igisubizo:

Bose hamwe bateye ibiti  $3 \times 51 = 153$

Bose hamwe bateye ibiti 153

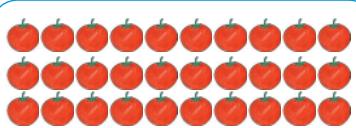
$$\begin{array}{r} 5 \ 1 \\ \times 3 \\ \hline 15 \ 3 \end{array}$$

1. Mu mashuri 3, buri shuri rrimo abakobwa 33 n'abahungu 32. Shaka umubare w'abanyeshuri bose.
2. Nagize amanota 60 adahinduka mu bihembwe 3. Narangije umwaka mfite amanota angahe?
3. Butera yaguze amakarito 3 y'isabune. Shaka umubare w'amasabune yaguze niba buri karito irimo amasabune 32.
4. Shaka umubare w'ibisheke biteye ku mirongo 3 niba buri murongo uriho ibisheke 23.
5. Inkoko za Kamariza zitera amagi 40 buri munsi. Shaka umubare w'amagi zitera mu minsi itatu.
6. Mu rusengero rwacu harimo ibihande 3 kandi buri ruhande kirimo intebe 43. Shaka umubare w'intebe ziri mu rusengero.

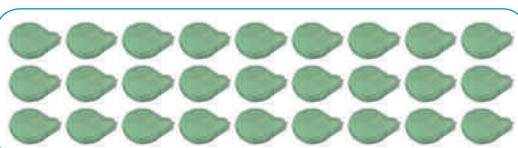
## 17. Igabanya ridasagura ry'imibare y'imibarwa 2 cyangwa 3 na 3

### Igikorwa cya 1

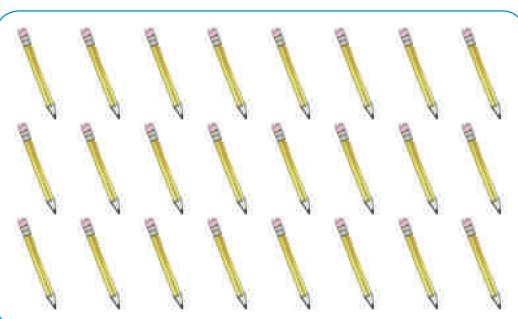
Mubare ibintu biri mu kirundo, mwandike umubare ahabigenewe. Mugabanyemo uturundo dutatu tungana, muvuge umubare w'ibyo mubonye kandi mwandike ahabugenewe.



$$\boxed{\quad} : 3 = \boxed{\quad}$$



$$\boxed{\quad} : 3 = \boxed{\quad}$$



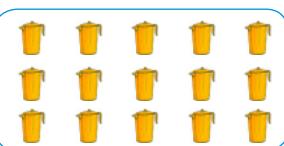
$$\boxed{\quad} : 3 = \boxed{\quad}$$



$$\boxed{\quad} : 3 = \boxed{\quad}$$



$$\boxed{\quad} : 3 = \boxed{\quad}$$



$$\boxed{\quad} : 3 = \boxed{\quad}$$

## Igikorwa cya 2

Mwuzuze imbonerahamwe zikurikira:

:3	3	6	9	12	15	18	21	24	27	30	x3
	...	...	...	...	...	...	...	...	...	...	

:3	3	...	9	...	15	...	21	...	27	...	x3
	...	2	...	4	...	6	...	8	...	10	

:3	...	6	...	12	...	18	...	24	...	30	x3
	1	...	3	...	5	...	7	...	9	...	

## Igikorwa cya 3

Kora imyitozo ukurikije urugero wahawe.

### Urugero:

$$\begin{array}{r} 1 \ 2 \ 6 \\ - 1 \ 2 \\ \hline 0 \ 0 \ 6 \\ - \quad 6 \\ \hline 0 \end{array} \quad \begin{array}{l} 1 : 3 \text{ ntibishoboka} \\ \text{Turafata imibare ibiri (12)} \\ 12 : 3 = 4 \\ \text{Tumanure 6} \\ 6 : 3 = 2 \end{array}$$

- a) 189 | 3      b) 156 | 3      c) 123 | 3      d) 159 | 3



### Reka nkore



- a)  $123 : 3 =$       d)  $150 : 3 =$       g)  $180 : 3 =$       j)  $186 : 3 =$   
b)  $126 : 3 =$       e)  $156 : 3 =$       h)  $183 : 3 =$       k)  $189 : 3 =$   
c)  $129 : 3 =$       f)  $159 : 3 =$       i)  $153 : 3 =$       l)  $192 : 3 =$

## Nsobanukiwe ko:

### *Iyo ugabanya na 3:*

Umubarwa wa mbere utagabanyika na 3, ufata umubarwa uwukurikiye ukagira imibarwa 2 ukagabanya.

## 18. Amahurizo yo kugabanya imibare na 3



**Reka dukore amahurizo  
dukurikije urugero twahawe**



### **Urugero:**

Gabanya ku buryo bungana mudasobwa 189, ibigo nderabuzima 3. Buri kigo nderabuzima uzagiha mudasobwa zingahe?

### **Igisubizo:**

Buri kigo nzagiha mudasobwa  $189:3=63$

Buri kigo kizabona mudasobwa 63

1. Ku munsi w'amanota ikigo cyacu kizahemba abana 3 ba mbere muri buri shuri. Niba haguzwe ibihembo 36. Ubwo ikigo cyacu kigizwe n'amashuri angahe?
2. Abanyeshuri bashaka gutera indabo 69 ku mirongo itatu ku buryo bungana. Kuri buri murongo bazahatera indabo zingahe?
3. Umuyobozi w'ishuri ryacu bamuhaye ibitabo 186 abigabanya amashuri 3 ku buryo bungana. Buri shuri yarihaye ibitabo bingahe?
4. Ikigo nderabuzima gifite inzitiramubu 159. Nibazigabanya ku buryo bungana lmidugudu 3. Buri Mudugudu uzabona inzitiramubu zingahe ?
5. Inkoko za Butera zitera amagi 180 mu minsi itatu, ubwo ku munsi zitera amagi angahe?

## ISUZUMA RISOZA UMUTWE WA 1

1. Andika mu mibare cyangwa mu magambo
  - (a) 187:
  - (b) Ijana na mirongo ikenda na karindwi :
2. Shaka umubare wasesenguwe
  - (a)  $b \ 7 \ j \ 1 \ c \ 5 =$
  - (b)  $b \ 5 \ j \ 1 \ c \ 7 =$
3. Mutahure umubare wasesenguwe
  - (a)  $(1 \times 100) + (3 \times 10) + (1 \times 9) =$
  - (b)  $100 + 80 + 3 =$
4. Vuga umwanya w'imibarwa iciyeho akarongo
  - (a) 186
  - (b) 147
  - (c) 134
  - (d) 125
5. Gereranya ukoresheje <, > na =
  - (a) 195  159
  - (b) 171  168
  - (c) 186  186
6. Tondeka iyi mibare uhoreye ku muto ujya ku munini  
179, 189, 198, 187, 178, 197
7. Tondeka iyi mibare uhoreye ku munini ujya ku muto  
198, 187, 178, 107, 189, 199
8. Shaka igiteranyo k'imibare ikurikira:
  - (a)  $143 + 53 =$
  - (b)  $87 + 108 =$
  - (c)  $75 + 118 =$
  - (d)  $166 + 33 =$

9. Shaka ikinyuranyo k'imibare ikurikira:

(a)  $195 - 172 =$

(b)  $167 - 136 =$

(c)  $151 - 109 =$

(d)  $132 - 78 =$

10. Uzuza izi mbonerahamwe

$\times 2$	0	...	2	...	4	...	6	...	8	...	10
	...	2	...	6	...	10	...	14	...	18	...
$\times 3$	...	1	...	3	...	5	...	7	...	9	...
	0	...	6	...	12	...	18	...	24	...	30

11. Kuba imibare ikurikira

(a)  $43$

$\times 2$

(b)  $23$

$\times 3$

(c)  $34$

$\times 2$

(d)  $32$

$\times 2$

12. Uzuza izi mbonerahamwe

$\times 2$	0	...	4	...	8	...	12	...	16	...	20
	...	1	...	3	...	5	...	7	...	9	...
$\times 3$	...	3	...	9	...	15	...	21	...	27	...
	0	...	2	...	4	...	6	...	8	...	10

13. Gabanya imibare ikurikira:

(a)  $86 : 2 =$

(b)  $159 : 3 =$

(c)  $180 : 2 =$

(d)  $126 : 3 =$

(e)  $168 : 2 =$

(f)  $126 : 3 =$

## **14. Amahurizo**

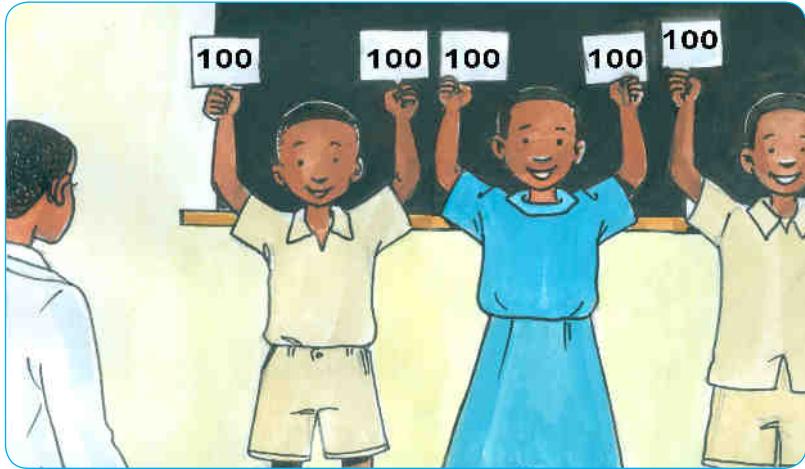
- a. Gisa afite inka 97 naho mushiki we Keza akagira inka 98. Bombi bafite inka zingahe?
- b. Butera yasaruye ibitoki 159, agurishaho ibitoki 98. Yasigaranye ibitoki bingahe?
- c. Kaneza afite amakarito 2 y'ibisuguti. Muri buri gikarito harimo ibisuguti 64. Shaka umubare w'ibisuguti biri muri ayo makarito yombi.
- d. Iwacu haje abashyitsi 62 maze buri wese tumuha fanta 3. Shaka umubare wa fanta zose twabahaye.
- e. Umuyobozi w'ikigo yasaranganyije ku buryo bungana ibitabo 198 amashuri 3. Buri shuri ryahawe ibitabo bingahe?
- f. Kaliza atera ibiti 94 buri mwaka. Shaka umubare w'ibiti azaba amaze gutera mu myaka ibiri.
- g Ngarambe avoma amajerikani 11 y'amazi buri munsi. Ubwo avoma amajerikani angahe mu minsi 5.
- h Jabo afite inka 196 ashaka kugabanya abana be 2 ku buryo bungana. Buri wese azamuha inka zingahe?
- i Mu gakarito k'amakayi harimo amakayi 94. Ubwo mu makarito 2 harimo amakayi angahe?

# Imibare kuva kuri 0 Kugera kuri 500

## 1. Kubara, gusoma no kwandika imibare kuva kuri 0 kugera kuri 500

### Igikorwa cya 1

Itegereze ishusho, uvuge imibare abariho bafite.



### Igikorwa cya 2

Soma uranguruye ijwi imibare iri kuri a, b, c na d.

a.

100

200

100

b.

100

100

300

100

c.

100

100

400

100

d.

100

500

100

100

100

100

## Igikorwa cya 3

Musome imibare yanditse ku byapa.



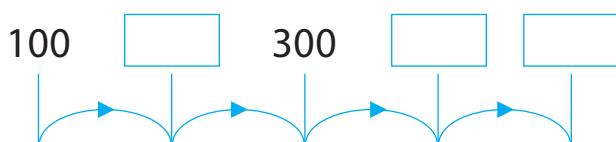
## Igikorwa cya 4

Mwitegereze urutonde rw'imibare musome muranguruye ijwi.

200	210	220	230	240	250	260	270	280	290	300
300	310	320	330	340	350	360	370	380	390	400
400	410	420	430	440	450	460	470	480	490	500

## Igikorwa cya 5

Koresha amajana, wuzuze uyu murongo w'ibara.



## Igikorwa cya 6

Mwuzuze imbonerahamwe ikurikira:

200	201				205						
210								217			
220											230
230											
240										240	
250		252									
260						266					
270											
280				284							
290											300
300	301										
310					315						
320											329
330			333								
340											
350											
360				364							
370											
380		382									
390							397				400

400	401										
410											
420											429
430							436				
440											
450							456				
460						465					
470		472									
480				484							
490											500

### Igikorwa cya 7

Uzuza imibare ibura mu mbonerahamwe.

200	201	202	....	...	...	...	207	...	...	...	...
240	...	....	....	...	...	...	....	...	...	...	...
260	...	....	....	....	...	...	....	...	...	...	...
290	291	....	....	....	...	...	....	....	...	...	...
320	...	....	....	....	...	...	....	...	...	...	...
350	...	....	....	....	...	...	....	...	...	...	...
370	...	....	....	374	...	...	....	...	...	...	...
480	...	....	....	....	...	...	....	...	...	...	...
490	...	....	493	....	...	...	....	...	...	...	500

### Igikorwa cya 8

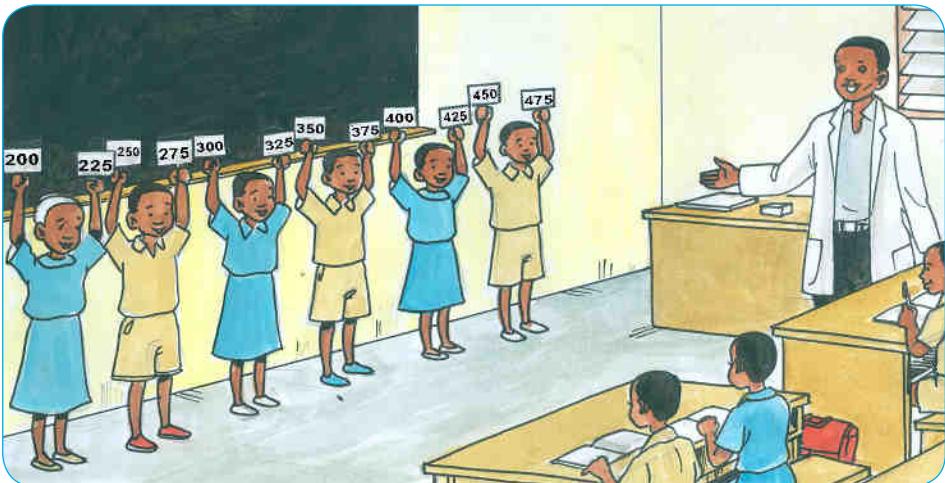
Mutombore udupapuro twanditseho imibare 242, 318, 425, 499, 384, buri wese avuge umubare yatomboye.

## Igikorwa cya 9

Mufate amakarita 10 yanditseho imibare kuva kuri 200 kugera kuri 500 maze muyatondeke ku meza mukurikiza uko iyo mibare ikurikirana.

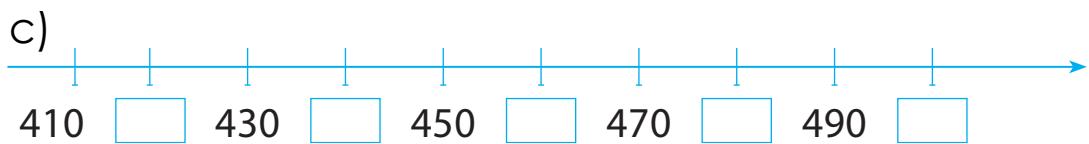
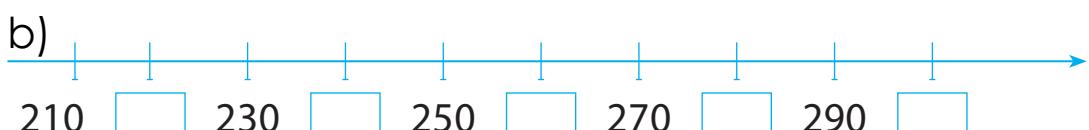
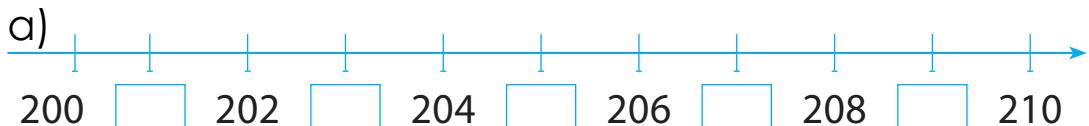
## Igikorwa cya 10

Mwitegerezze ishusho namwe mukore urutonde rw' imibare kuva ku 200 kugera kuri 500.



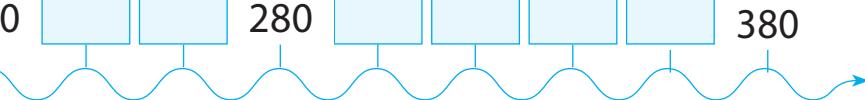
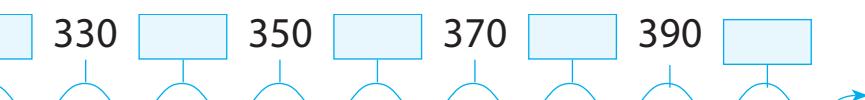
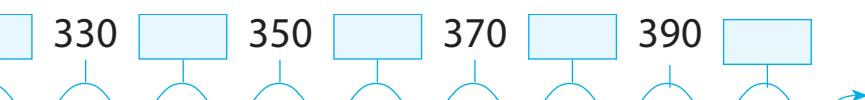
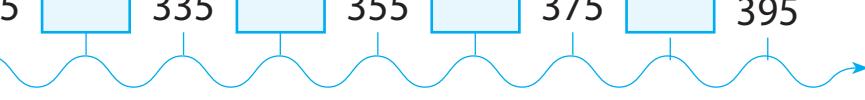
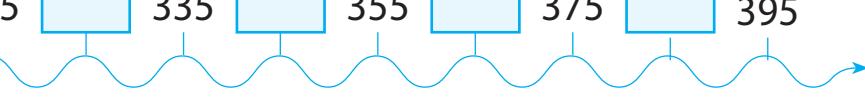
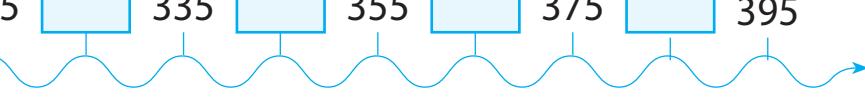
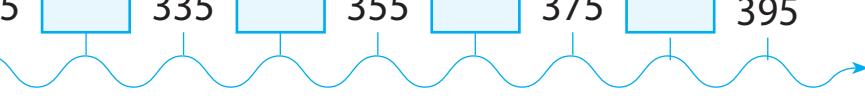
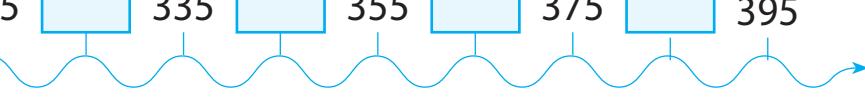
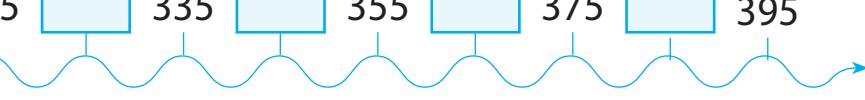
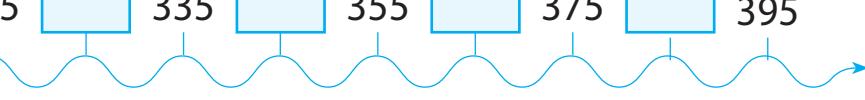
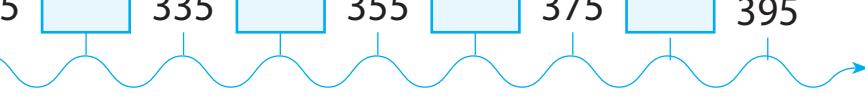
## Igikorwa cya 11

Mwuzuze iyi mirongo y'ibara imibare iburamo.



## Igikorwa cya 12

Mwuzuze iyi mirongo y'ibara imibare iburamo.

- a. 200 220  280  380
- b. 310  330  350  370  390 
- c. 305 315  335  355  375  395

## Igikorwa cya 13

Mwandike mu magambo imibare iri hagati y'iyo mwahawewe.

- a) Kuva kuri 200 kugera kuri 205
- b) Kuva kuri 265 kugera kuri 270
- c) Kuva kuri 295 kugera kuri 300
- d) Kuva kuri 345 kugera kuri 350
- e) Kuva kuri 360 kugera kuri 365

## Igikorwa cya 14

Soma, wandike mu mibare.

- a) Magana abiri mirongo inani:
- b) Magana ane na mirongo itatu:
- c) Magana atatu na gatanu:

## Igikorwa cya 15

Soma, wandike mu magambo iyi mibare:

- a) 325:
- b) 175:
- c) 298:

## Igikorwa cya 16

Mwuzuze iyi mbonerahamwe.

200					250					300
400										300
500										400
300			330							400
200	205									250
390					440					490
320		340								420
400				440						500

## 2. Gusesengura imibare kuva kuri 0 kugera kuri 500

### Igikorwa cya 1

Andika iyi mibare mu mbonerahamwe y'ibara ukurikiza urugero.

Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
2	3	5

- a) 235      d) 267      g) 469      j) 347      m) 492  
b) 228      e) 378      h) 427      k) 439      n) 393  
c) 445      f) 484      i) 298      l) 349      o) 313

### Igikorwa cya 2

Mukoreshe imbonerahamwe y'isesengura mwuzuze umubare mu mwanya wawo.

- a) 231 =j....c....b      c) 315 =j....c....b      e) 417 =j....c....b  
b) 214 =j....c....b      d) 461 =j....c....b      f) 368 =j....c....b

## Igikorwa cya 3

Mwandike umubare wasesenguwemo ibinyajana, ibinyacumi n'ibinyabumwe.

- |                  |                  |                  |
|------------------|------------------|------------------|
| a) c 1 b 4 j 2 = | d) c 4 b 7 j 2 = | g) j 3 b 0 c 9 = |
| b) b 2 j 3 c 6 = | e) b 5 c 8 j 3 = | h) b 8 j 4 c 0 = |
| c) j 4 b 6 c 7 = | f) c 6 j 2 b 8 = | i) j 3 2 b 0 c = |

## 3. Kugreranya imibare kuva kuri 0 kugera kuri 500

### Igikorwa cya 1

Mufate amakarita ariho imibare muyagereranye mukoresheje ibimenyetso : < , > na = kandi musobanura uko mwabikoze.

**Urugero:**

203

< 401

a) 315 — 235      c) 479 — 479

b) 388 — 381      d) 393 — 500

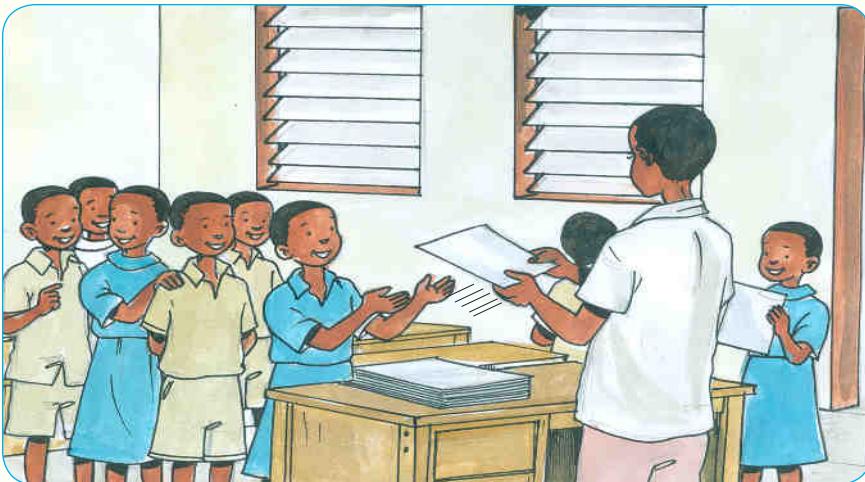
### Igikorwa cya 2

Mutombore udupapuro turiho imibare muyigereranye mukoresheje(<,>, na =).



## Igikorwa cya 3

Musome, mugereranye amanota y'abanyeshuri.



Mu gusoza igihembwe abanyeshuri babonye amanota atandukanye kuri 500. Butera afite 351, Mutoni afite 473, Kabarisa afite 380, Uwase afite 390, naho Mukayiranga akagira 429.

Mugereranye amanota ya:

- a) Kabarisa na Mutoni
- b) Butera na Kabarisa
- c) Uwase na Mutoni
- d) Butera na Mutoni
- e) Uwase na Kabarisa
- f) Uwase na Butera
- g) Kabarisa na Mukayiranga
- h) Mukayiranga na Butera
- i) Uwase na Mukayiranga
- j) Mukayiranga na Mutoni

## Igikorwa 4

Itegereze iyi shusho, ugereranye Karoti abanyeshuri basaruye.



Umwaka wa mbere	: Karoti 158
Umwaka wa kabiri	: Karoti 261
Umwaka wa gatatu	: Karoti 356
Umwaka wa kane	: Karoti 398
Umwaka wa gatanu	: Karoti 434
Umwaka wa gatandatu	: Karoti 497

### Mugereranye umusaruro.

- a) w'umwaka wa 1 n'uwan'umwaka wa 3.
- b) w'umwaka wa 2 n'uwan'umwaka wa 3.
- c) w'umwaka wa 3 n'uwan'umwaka wa 4.
- d) w'umwaka wa 4 n'uwan'umwaka wa 5.
- e) w'umwaka wa 5 n'uwan'umwaka wa 6.
- f) w'umwaka wa 2 n'uwan'umwaka wa 5.
- g) w'umwaka wa 6 n'uwan'umwaka wa 1.
- h) w'umwaka wa 4 n'uwan'umwaka wa 2.
- i) w'umwaka wa 5 n'uwan'umwaka wa 3.



## Reka ngereranye nkoreshe <, > na =



- |        |                      |     |        |                      |     |        |                      |     |
|--------|----------------------|-----|--------|----------------------|-----|--------|----------------------|-----|
| a) 469 | <input type="text"/> | 469 | e) 318 | <input type="text"/> | 285 | i) 427 | <input type="text"/> | 327 |
| b) 336 | <input type="text"/> | 467 | f) 445 | <input type="text"/> | 358 | j) 254 | <input type="text"/> | 349 |
| c) 363 | <input type="text"/> | 431 | g) 222 | <input type="text"/> | 222 | k) 281 | <input type="text"/> | 313 |
| d) 490 | <input type="text"/> | 404 | h) 301 | <input type="text"/> | 301 | l) 429 | <input type="text"/> | 392 |

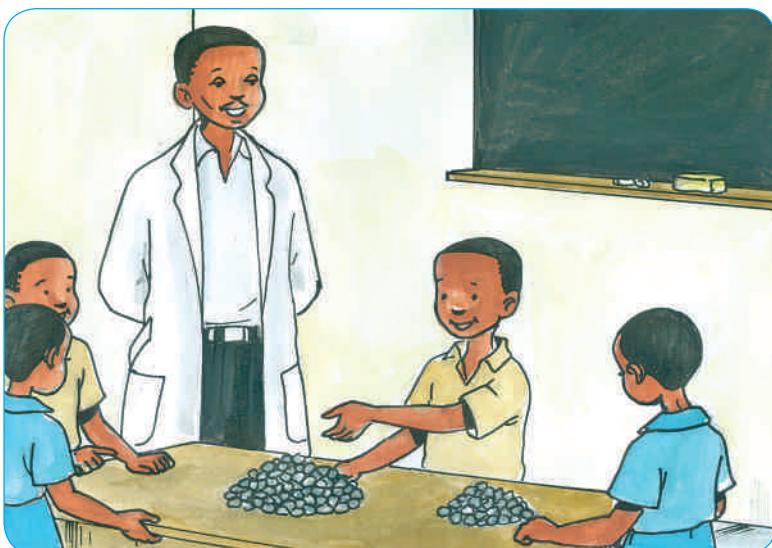
## 4. Gutondeka imibare kuva kuri 0 kugera kuri 500

### 1. Gutondeka uva ku mubare muto ujya ku munini

#### Igikorwa cya 1

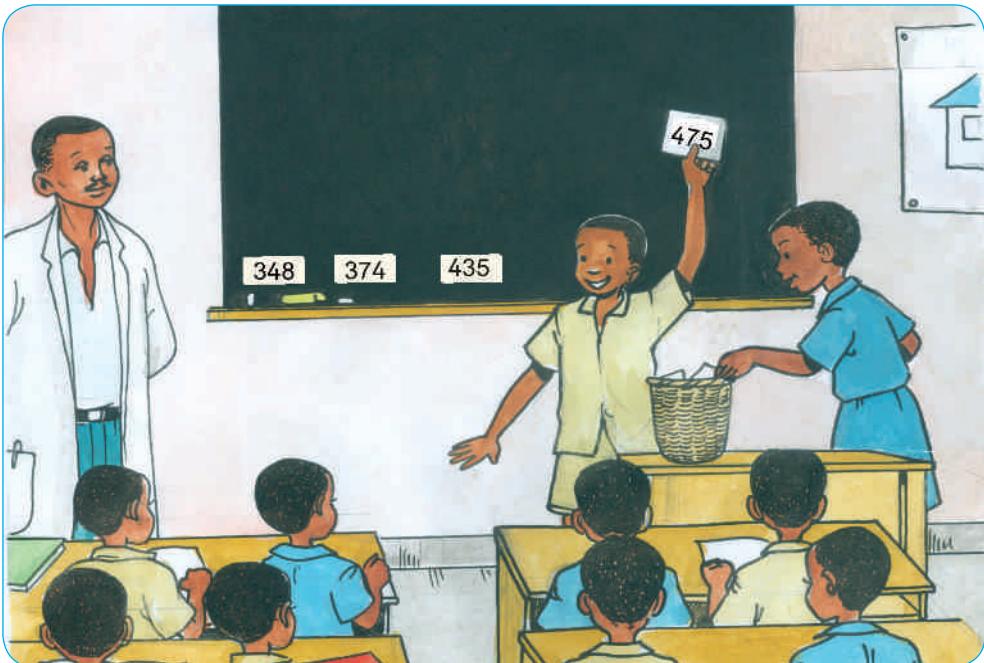
Mukore uturundo tw'utubarisho, 200, 230, 300, 350, 400 na 499. Mutubare, maze mutondeke imibare yatwo muhereye ku muto mujya ku munini.

Mwerekane uko mwabikoze.



## Igikorwa cya 2

Mufate amakarita y'imibare, muyatondeke muher-eye ku yanditseho umubare muto mujya ku yanditseho umubare munini.



## Igikorwa cya 3

Tondeka uhoreye ku mubare muto ujya ku munini.

- |                  |                  |                  |
|------------------|------------------|------------------|
| a) 425, 475, 303 | g) 247, 479, 352 | m) 325, 305, 352 |
| b) 335, 284, 400 | h) 428, 500, 268 | n) 476, 467, 267 |
| c) 497, 500, 251 | i) 394, 421, 275 | o) 329, 293, 392 |
| d) 345, 482, 223 | j) 306, 360, 301 | p) 286, 268, 382 |
| e) 242, 473, 365 | k) 415, 451, 154 | r) 374, 473, 347 |
| f) 409, 499, 337 | l) 226, 262, 215 | s) 429, 249, 492 |

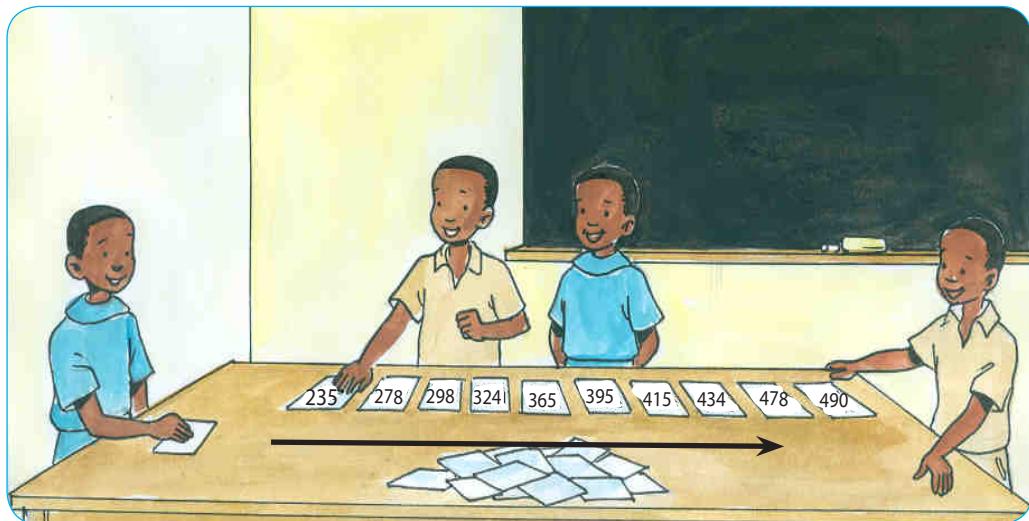
## 2. Gutondeka uva ku mubare munini ujya ku muto

### Igikorwa cya 4

Mukore uturundo tw'utubarisho, 235, 274, 315, 472, 499 mutubare maze mutondeke imibare yatwo muhereye ku munini mujya ku muto.

### Igikorwa cya 5

Mwitegerezze iyi shusho, mutondeke amakarita y'imibare muhereye ku mubare munini mujya ku muto.



**Reka nkore**



Mutondeke muhereye ku mubare munini mujya ku muto.

- a) 252, 475, 330
- c) 479, 500, 315
- e) 424, 256, 337
- b) 453, 248, 500
- d) 254, 328, 432
- f) 390, 299, 473

## 5. Guteranya imibare kuva kuri 0 kugera kuri 500

### 1. Guteranya imibare mu mutwe.

#### Igikorwa cya 1

Teranya mu mutwe.

a)  $200 + 50 =$

d)  $250 + 50 =$

g)  $400 + 50 =$

b)  $200 + 20 =$

e)  $300 + 50 =$

h)  $450 + 50 =$

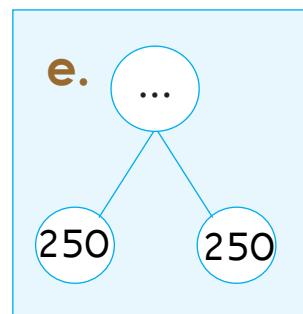
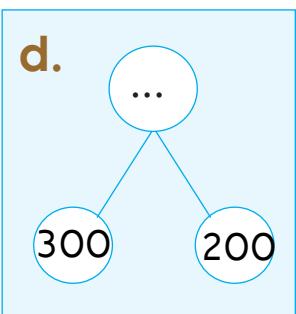
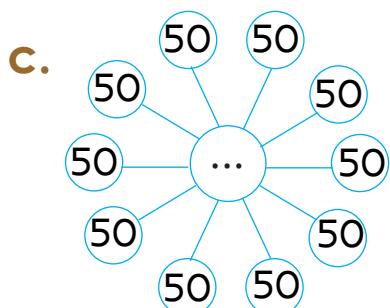
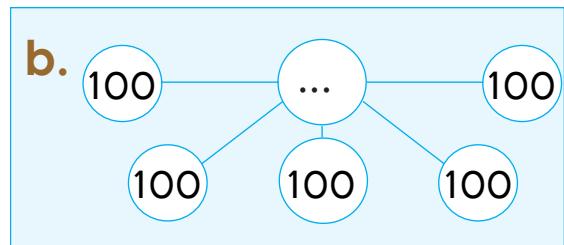
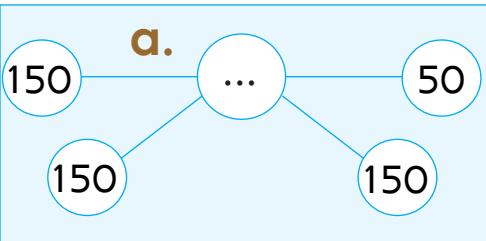
c)  $220 + 30 =$

f)  $350 + 50 =$

i)  $300 + 80 =$

#### Igikorwa cya 2

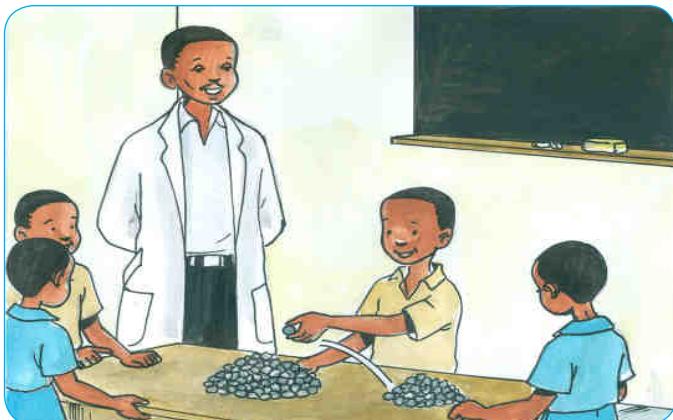
Muteranye mwandike igiteranyo ahabugenewe.



## 2. Iteranya ritabitsa

### Igikorwa cya 3

Mwitegerezze iyi shusho muvuge ibiri gukorwa.



### Igikorwa cya 4

Mukoreshe uturundo 2 tw'utubarisho, kamwe mugashyiremo utubarisho 225 akandi mugashyiremo 163. Mufate utubarisho two mu karundo ka mbere mutwongere mu karundo ka kabiri muvuge umubare mubonye.

### Igikorwa cya 5

Mukoreshe utubarisho mukore iyi myitozo.

a)  $201 + \boxed{\quad} = 442$

d)  $63 + \boxed{\quad} = 364$

b)  $123 + \boxed{\quad} = 378$

e)  $203 + \boxed{\quad} = 456$

c)  $\boxed{\quad} = 120 + 366$

f)  $\boxed{\quad} = 200 + 138$

### Igikorwa cya 6

Mwifashije amakarita yanditseho iyi imibare n'ibimenyetso:  $\boxed{+}$ ,  $\boxed{=}$

A.

221

214

253

262

281

235

B.    97    245    154    121    212    234

C.    318    469    407    383    459    493

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cyo guteranya +.
- Mukurikizeho ikarita yo muri B.
- Hakurikireho ikarita iriho ikimenyetso cya =.
- Igisubizo kibe imwe mu makarita yo muri C.

**Urugero:**

221

+

97

=

318

## Igikorwa cya 7

Koresha imbonerahamwe y'ibara ukore iyi myitozo ukurikije urugero wahawe.

**Urugero:**

223

+

274

=

497

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
2	2	3
+ 2	7	4
4	9	7

- a)  $223 + 175 =$       e)  $352 + 145 =$       i)  $315 + 181 =$   
b)  $335 + 162 =$       f)  $264 + 225 =$       j)  $272 + 225 =$   
c)  $312 + 177 =$       g)  $382 + 116 =$       k)  $361 + 135 =$   
d)  $247 + 251 =$       h)  $291 + 206 =$       l)  $226 + 272 =$

### 3. Iteranya ribitsa

#### Igikorwa cya 8

Mwitegerezze urugero, mukoreshe imbonerahamwe y'ibara muteranye.

Urugero:

268

+

154

=

422

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
1	1	
2	6	8
+ 1	5	4
4	2	2

a)  $225 + 167 =$

d)  $117 + 375 =$

g)  $372 + 128 =$

b)  $334 + 148 =$

e)  $154 + 228 =$

h)  $185 + 315 =$

c)  $146 + 229 =$

f)  $265 + 228 =$

i)  $192 + 278 =$

#### Nsobanukiwe ko:

- Iyo uteranya imibare uhera ku binyabumwe.
- Iyo igiteranyo kingana cyangwa kiruta 10, urabitsa.
  - Wandika ikinyabumwe k'icyo giteranyo,
  - Ikinyacumi 1 ukacyongera ku binyacumi
  - Ugakomeza utyo.



Reka nkore



a)  $205 + 258 =$

d)  $285 + 146 =$

g)  $149 + 336 =$

b)  $277 + 196 =$

e)  $337 + 126 =$

h)  $273 + 149 =$

c)  $339 + 143 =$

f)  $288 + 145 =$

i)  $189 + 227 =$

## 6. Amahurizo yo guteranya imibare itarenga 500



**Reka dukore amahurizo  
dukurikije urugero twahawe**



### Urugero:

Nahimana yagize amanota 225 mu gihembwe cya mbere, mu cya kabiri agira amanota 215. Yabonye amanota angahe muri ibyo bihembwe byombi?

### Igisubizo:

Yabonye amanota  $225 + 215 = 440$

Yabonye amanota 440

- Umuyobozi w'ikigo yaguze ibitabo 265 by'imibare n'ibitabo 195 by'lkinyarwanda. Yaguze ibitabo bingahe byose hamwe?.
- Umudugudu wa Kanyinya wateye ibiti 312 ku munsi w'umuganda. Uwa Kinyinya wateye ibiti 188. Iyo Midugudu yombi yateye ibiti bingahe?

## 7. Gukuramo imibare kuva kuri 0 kugera kuri 500

### 1. Gukuramo imibare mu mutwe.

#### Igikorwa cya 1

Kuramo mu mutwe.

- |                 |                 |                  |
|-----------------|-----------------|------------------|
| a) $500 - 50 =$ | e) $100 - 50 =$ | i) $250 - 50 =$  |
| b) $400 - 50 =$ | f) $50 - 50 =$  | j) $150 - 50 =$  |
| c) $300 - 50 =$ | g) $450 - 50 =$ | k) $500 - 100 =$ |
| d) $200 - 50 =$ | h) $350 - 50 =$ | l) $400 - 100 =$ |

## 2. Ikuramo ridatira

### Igikorwa cya 2

Mwitegereze iyi shusho, muvuge ibiri gukorwa.



### Igikorwa cya 3

Mwifashishe utubarisho 345 mukuremo utubarisho 132 mubare utubarisho dusigaye muvuge umubare mubonye.

### Igikorwa cya 4

Mwifashije amakarita yanditseho iyi imibare n'ibimenyetso:  - ,  =

- a. 

324	232	414	282	353	444
-----	-----	-----	-----	-----	-----
- b. 

221	130	314	231	233	314
-----	-----	-----	-----	-----	-----
- c. 

100	120	130	103	51	102
-----	-----	-----	-----	----	-----

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cyo gukuramo  - .
- Mukurikizeho ikarita yo muri B.
- Hakurikireho ikarita iriho ikimenyetso cya  = .
- Igisubizo kibe imwe mu makarita yo muri C.

## Igikorwa cya 5

Mukoreshe imbonerahamwe y'ibara, mukore iyi myitozo mukurikije urugero mwahawwe.

### Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
4	9	6
- 2	2	3
2	7	3

- a)  $486 - 275 =$  d)  $487 - 351 =$  g)  $382 - 216 =$   
 b)  $365 - 162 =$  e)  $356 - 145 =$  h)  $396 - 156 =$   
 c)  $289 - 177 =$  f)  $464 - 252 =$  i)  $485 - 473 =$



**Reka dukore mu  
matsinda**



Mwifashishe utubarisho mwuzuze umubare ubura.

- a)  $376 = \square - 124$       d)  $250 = 475 - \square$       g)  $287 - \square = 47$   
 b)  $420 = \square - 78$       e)  $455 = 495 - \square$       h)  $366 - \square = 140$   
 c)  $315 = \square - 140$       f)  $330 = 478 - \square$       i)  $474 - \square = 124$

## 3. Ikuramo ritira

### Igikorwa cya 6

Mukuremo imibare ikurikira mukurikije urugero mwahawwe:

### Urugero:

$$462 - 245 = 217$$

Ibinya-jana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
	5	
4	6	10+2
- 2	4	5
2	1	7

2-5 ntibishoboka,  
ndatira ikinyacumi  
1 kingana nibinyabumwe icumi  
nongere ku binyabumwe bibiri  
 $b_1 + b_2 = 12$ . Ndafata  $12 - 5 = 7$   
hanyuma  $5 - 4 = 1$ ,  
 $4 - 2 = 2$ .



## Reka nkuremo ntira nkurikije urugero nahawe



- a)  $452 - 247 =$       d)  $471 - 357 =$       g)  $372 - 228 =$   
b)  $343 - 148 =$       e)  $345 - 228 =$       h)  $482 - 357 =$   
c)  $264 - 139 =$       f)  $465 - 258 =$       i)  $495 - 389 =$

### Nsobanukiwe ko:

Iyo ukuramo imibare uhera ku binyabumwe. Wasanga ibinyabumwe ari bike ku bikurwamo, ugatira ikinyacumi kimwe kingana n'ibinyabumwe icumi, ukabyongera kuri bya binyabumwe byari bike maze ugakuramo. Ukandika igisubizo. Ukomeza utyo, ukuramo ibinyacumi n'ibinyajana.



## Reka nkuremo



- a)  $400 - 358 =$       c)  $493 - 334 =$       e)  $336 - 327 =$   
b)  $397 - 268 =$       d)  $485 - 346 =$       f)  $485 - 248 =$

## 8. Amahurizo yo gukuramo imibare itarenga 500.



## Reka dukore amahurizo dukurikije urugero twahawe



### Urugero:

Ikigo cyacu gifite abanyeshuri 378. Abanyeshuri 132 biga mu mwaka wa 6. Nibarangiza hazasigara abanyeshuri bangahe?

### Igisubizo:

Hazasigara abanyeshuri  $378 - 132 = 246$   
Hazasigara abanyeshuri  $246$

1. Inkoko za Tito zateye amagi 370. Amagi 87 arameneka. Yasigaranye amagi angahe?
2. Makuza yasaruye imifuka 466 y'ibishyimbo mushiki we asarura imifuka 387 y'ibishyimbo. Ni nde wasaruye byinshi? Yamurushije imifuka ingahe yibishyimbo?

## 9. Mara ya 4 n'ibikubo bya 4

### Igikorwa cya 1

Mwitegereze namwe mukore nk'ibi.



$$4 \times 1 = 4$$



$$4 \times 2 = 8$$



$$4 \times 3 = 12$$



$$4 \times 4 = 16$$



$$4 \times 5 = 20$$



$$4 \times 6 = 24$$



$$4 \times 7 = 28$$



$$4 \times 8 = 32$$



$$4 \times 9 = 36$$



$$4 \times 10 = 40$$

## Igikorwa cya 2

Mwuzuzemo umubare ubura .

a)  $4 = 4 \times \square$

d)  $16 = 4 \times \square$

g)  $28 = \square \times 4$

b)  $8 = \square \times 4$

e)  $20 = \square \times 4$

i)  $32 = 4 \times \square$

c)  $12 = 4 \times \square$

f)  $24 = 4 \times \square$

k)  $36 = \square \times 4$



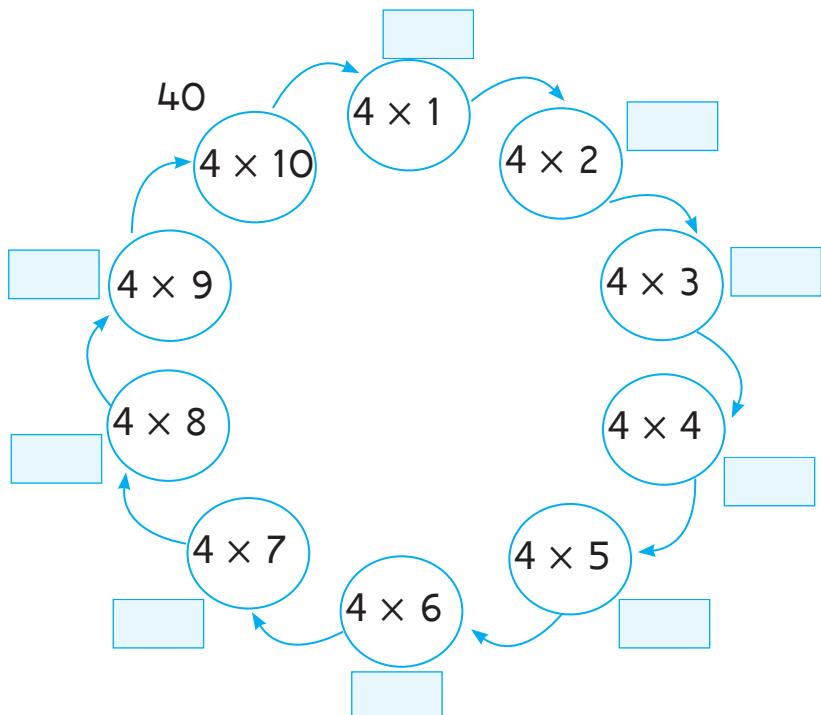
### Reka nuzuze imibare ibura



a)  $\times 4$

1	2	3	4	5	6	7	8	9	10
...	...	...	...	...	...	...	...	...	...

b)



c)  $\times 4$

...	2	...	4	...	6	...	8	...	10
4	...	12	...	20	...	28	...	36	...

: 4



## Reka ngereranye nkoreshe <, > na =



- |              |                      |               |              |                      |              |
|--------------|----------------------|---------------|--------------|----------------------|--------------|
| a) $20 + 20$ | <input type="text"/> | $4 \times 10$ | e) $6 + 6$   | <input type="text"/> | $4 \times 3$ |
| b) $10 + 10$ | <input type="text"/> | $4 \times 5$  | f) $14 + 14$ | <input type="text"/> | $4 \times 7$ |
| c) $18 + 18$ | <input type="text"/> | $4 \times 9$  | g) $4 + 4$   | <input type="text"/> | $4 \times 2$ |
| d) $8 + 8$   | <input type="text"/> | $4 \times 4$  | h) $12 + 12$ | <input type="text"/> | $4 \times 6$ |
| e) $16 + 16$ | <input type="text"/> | $4 \times 8$  | i) $2 + 2$   | <input type="text"/> | $4 \times 1$ |

## 10. Gukubisha imibare y'imibarwa ibiri na 4

### Igikorwa cya 1

Mukoreshe imbonerahamwe y'ibara mukore imyitozo ikurikira mukurikiza urugero mwahawe.

Urugero:	Ibinyacumi (c)	Ibinyabumwe (b)
$  \begin{array}{r}  21 \\  \times 4 \\  \hline  84  \end{array}  $	$  \begin{array}{r}  2 \\  \times \\  \hline  8  \end{array}  $	$  \begin{array}{r}  1 \\  4 \\  \hline  4  \end{array}  $

- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| a) $4 \times 11 =$ | e) $4 \times 30 =$ | i) $4 \times 41 =$ |
| b) $4 \times 12 =$ | f) $4 \times 31 =$ | j) $4 \times 40 =$ |
| c) $4 \times 21 =$ | g) $4 \times 32 =$ | k) $4 \times 51 =$ |
| d) $4 \times 20 =$ | h) $4 \times 40 =$ | l) $4 \times 61 =$ |

### Nsobanukiwe ko:

Iyo ukubisha imibare y'imibarwa 2 na 4 uhera ku binyabumwe ujya ku binyacumi.

## Igikorwa cya 2

Kuba ukurikije urugero wahawe.

### Urugero:

$$\begin{array}{r} 5 \ 2 \\ \times \ 4 \\ \hline 2 \ 0 \ 8 \end{array}$$

$$\begin{array}{r} a) \ 7 \ 1 \\ \times \ 4 \\ \hline \dots \end{array}$$

$$\begin{array}{r} b) \ 7 \ 2 \\ \times \ 4 \\ \hline \dots \end{array}$$

$$\begin{array}{r} c) \ 8 \ 0 \\ \times \ 4 \\ \hline \dots \end{array}$$

$$\begin{array}{r} d) \ 9 \ 2 \\ \times \ 4 \\ \hline \dots \end{array}$$

## 11. Amahurizo yo gukuba imibare na 4



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero:

Mu ishuri turi abanyeshuri 42, buri munyeshuri afite ibitabo 4 byo gusoma. Shaka umubare w'ibitabo byose biri mu ishuri ryacu.

### Igisubizo:

Umubare w'ibitabo byose  $4 \times 42 = 168$

Umubare w'ibitabo byose ni 168

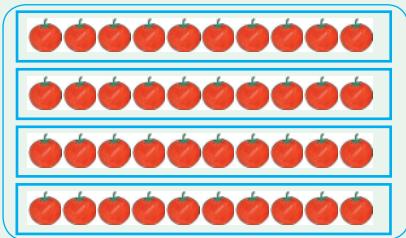
1. Mu muganda w'ukwezi abaturage 82 bateye ibiti 4 buri wese. Shaka umubare w'ibiti byatewe n'abo baturage bose.
2. Imbere y'ishuri hari imirongo 4 y'abanyeshuri. Shaka umubare w'abanyeshuri bari kuri iyo mirongo niba buri murongo uriho abanyeshuri 22.

## 12. Kugabanya imibare na 4

### Igikorwa cya 1

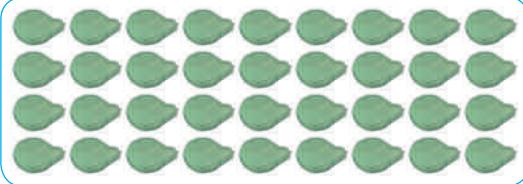
Bara umubare w'ibantu biri mu kirundo, bigabanyemo uturundo 4 tungana, bara ibyo ubonye muri buri karundo. Kurikiza urugero rwatanzwe.

**Urugero:**



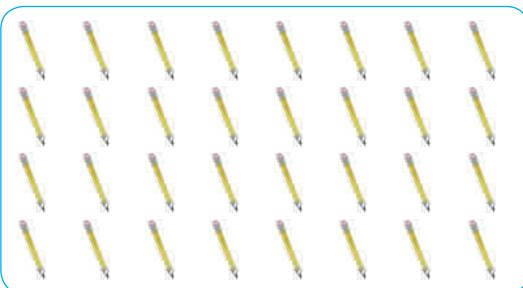
$$40 : 4 = 10$$

a.



$$\square : 4 = \square$$

b.



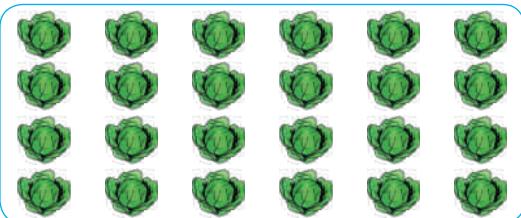
$$\square : 4 = \square$$

c.



$$\square : 4 = \square$$

d.



$$\boxed{\quad} : 4 = \boxed{\quad}$$

### 13. Igabanya ridasagura ry'umubare w'imibarwa 2 cyangwa 3 na 4

#### Igikorwa cya 1

Mugabanye mukurikije urugero mwahawwe .

**Urugero:**

$$84 : 4 = \boxed{21}$$

$$\begin{array}{r} 84 \\ - 8 \quad | \quad 4 \\ \hline 04 \\ - 4 \\ \hline 00 \end{array}$$

A pink circle highlights the '21' in the quotient and the '4' in the divisor. A pink arrow points from the '21' to the '1' in the quotient.

a) $44 \Big  4$	b) $64 \Big  4$	e) $84 \Big  4$
c) $76 \Big  4$	d) $56 \Big  4$	f) $68 \Big  4$

#### Igikorwa cya 2

Andika mu mahembe ugabanye.

a)  $80 : 4 =$

c)  $88 : 4 =$

e)  $96 : 4 =$

b)  $64 : 4 =$

d)  $92 : 4 =$

f)  $72 : 4 =$

#### Igikorwa cya 3

Andika mu mahembe ugabanye ukurikije urugero wahawwe.

**Urugero:**

$$\begin{array}{r} 120 \\ - 12 \\ \hline 000 \\ - 0 \\ \hline 0 \end{array}$$

A pink bracket groups the first two digits '12' under the heading '1 : 4 ntibishoboka'. Another pink bracket groups the last three digits '300' under the heading '12 : 4 = 3'. A pink bracket groups the last digit '0' under the heading '0 : 4 = 0'. A pink arrow points from the '12' in the quotient to the '12' in the divisor.

1 : 4 ntibishoboka

Turafata imibare ibiri (12)

$12 : 4 = 3$

$0 : 4 = 0$

- |                |                |                |                |
|----------------|----------------|----------------|----------------|
| a) $500 : 4 =$ | e) $284 : 4 =$ | i) $368 : 4 =$ | m) $252 : 4 =$ |
| b) $296 : 4 =$ | f) $480 : 4 =$ | j) $464 : 4 =$ | n) $448 : 4 =$ |
| c) $492 : 4 =$ | g) $376 : 4 =$ | k) $260 : 4 =$ | o) $344 : 4 =$ |
| d) $388 : 4 =$ | h) $472 : 4 =$ | l) $456 : 4 =$ | p) $440 : 4 =$ |

### Nsobanukiwe ko:

Iyo ugabanya umubare ufite imibarwa irenze umwe na 4, umubarwa wa mbere mu binyajana utagabanyika na 4 ufata umubarwa uwukurikiye w'ibinyacumi ukagira imibarwa ibiri ukagabanya.

### 14. Amahurizo yo kugabanya imibare na 4



**Reka dukore amahurizo  
dukurikije urugero twahawe**



#### Urugero:

Umuyobozi w'ishuri yaguze ibitabo 488 abigabanya amashuri 4 ku buryo bungana. Buri shuri ryabonye ibitabo bingahe?

#### Igisubizo:

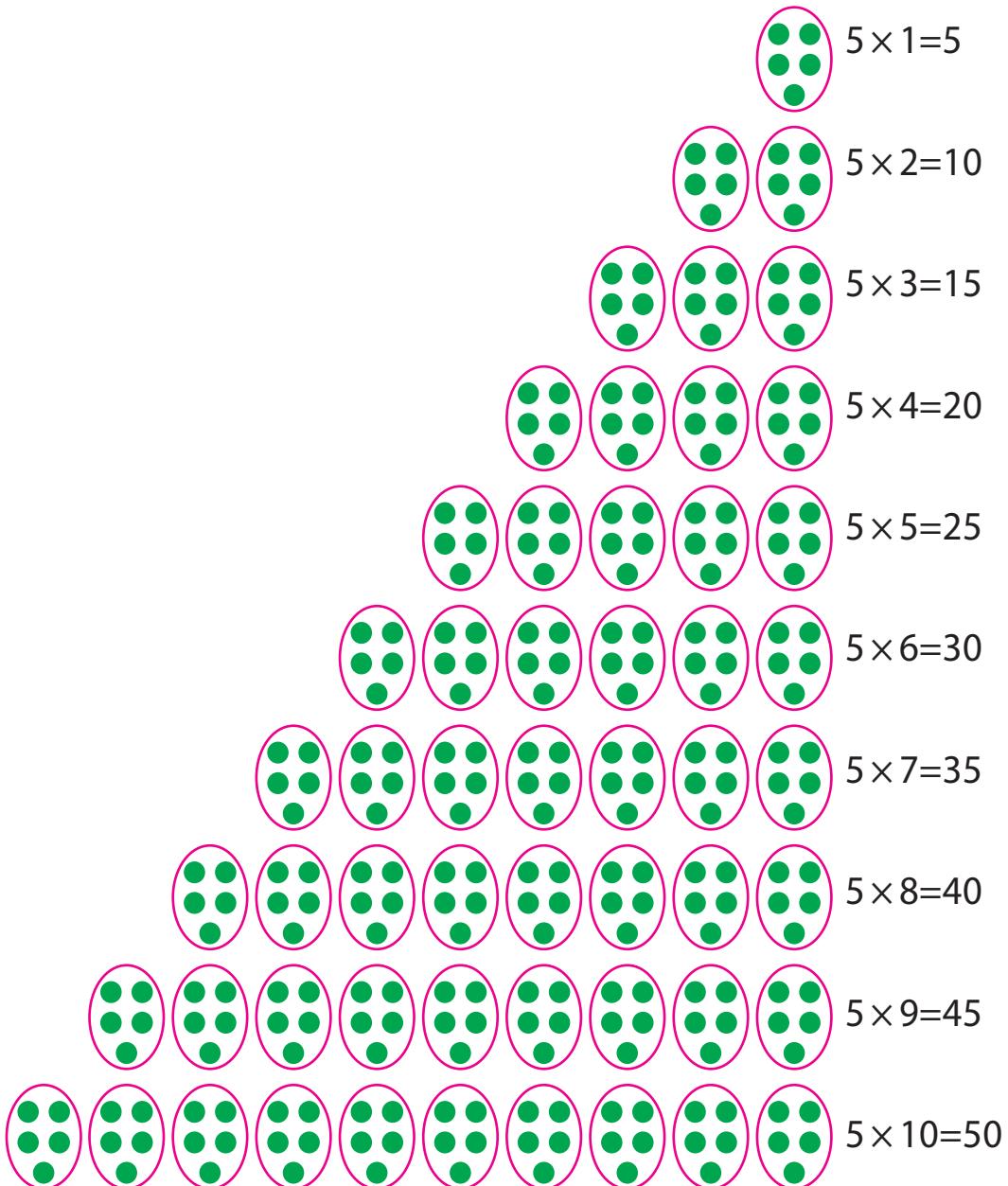
**Buri shuri ryabonye ibitabo  $488 : 4 = 122$**

**Buri shuri ryabonye ibitabo 122**

1. Umubyeyi yagabanyije abana be 4 amakayi 144 ku buryo bungana. Buri mwana yahawe amakayi angahe?
2. Mu cyumba k'inama hari abaturage 368. Bicaye mu bihande 4 kandi buri ruhande rurimo intebé zingana. Ubwo muri buri ruhande hicaye abaturage bangahe?

## 15. Mara ya 5 n'ibikubo bya 5 Igikorwa cya 1

Mwitegerezze namwe mukore nk'ibi.



## Igikorwa cya 2

Uzurisha umubare ubura.

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| a) $5 = \square \times 5$  | d) $20 = 5 \times \square$ | g) $35 = \square \times 5$ |
| b) $10 = \square \times 5$ | e) $25 = \square \times 5$ | h) $40 = \square \times 5$ |
| c) $15 = \square \times 5$ | f) $30 = \square \times 5$ | i) $45 = \square \times 5$ |

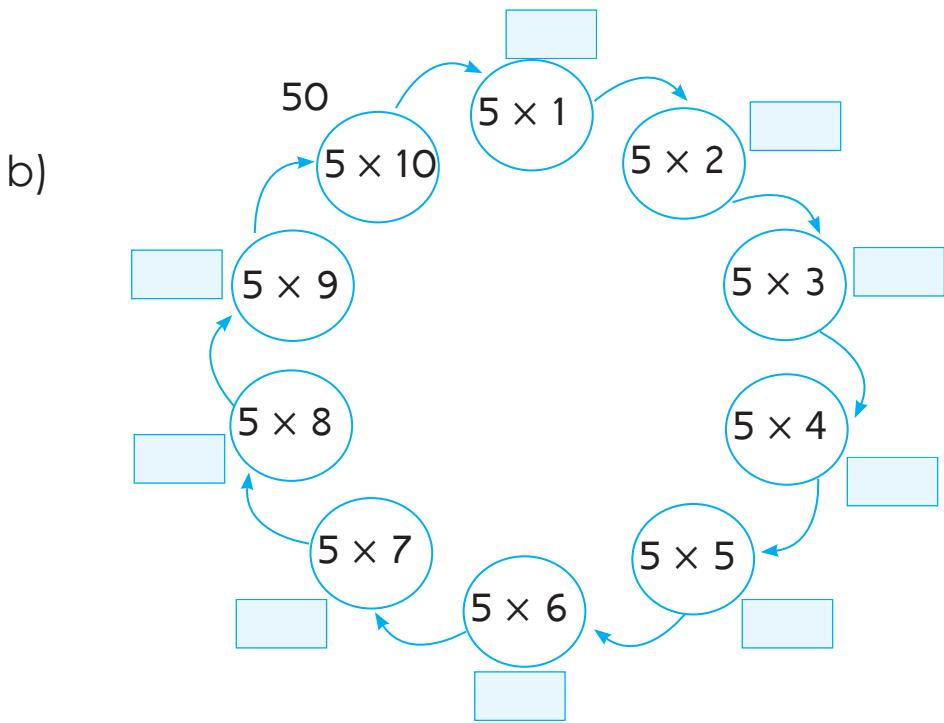


### Reka nuzuze umubare ubura



a)

$\times 5$	1	2	3	4	5	6	7	8	9	10
...	...	...	...	...	...	...	...	...	...	...



c)

$\times 5$	...	2	...	4	...	6	...	8	...	10
5	...	15	...	25	...	30	...	45	...	



## Reka ngereranye nkoreshe <, > na =



- |              |                      |               |              |                      |              |
|--------------|----------------------|---------------|--------------|----------------------|--------------|
| a) $25 + 25$ | <input type="text"/> | $5 \times 10$ | f) $10 + 5$  | <input type="text"/> | $5 \times 3$ |
| b) $10 + 15$ | <input type="text"/> | $5 \times 5$  | g) $20 + 15$ | <input type="text"/> | $5 \times 7$ |
| c) $20 + 25$ | <input type="text"/> | $5 \times 9$  | h) $5 + 5$   | <input type="text"/> | $5 \times 2$ |
| d) $10 + 10$ | <input type="text"/> | $5 \times 4$  | i) $15 + 15$ | <input type="text"/> | $5 \times 6$ |
| e) $20 + 20$ | <input type="text"/> | $5 \times 8$  | j) $2 + 3$   | <input type="text"/> | $5 \times 1$ |

## 16. Gukubisha 5 imibare y'imibarwa ibiri

### Igikorwa cya 1

Mukoreshe imbonerahamwe y'ibara mukore imyitozo.

#### Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
	2 x	
1	0	5

- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| a) $11 \times 5 =$ | c) $30 \times 5 =$ | g) $41 \times 5 =$ |
| b) $20 \times 5 =$ | e) $31 \times 5 =$ | h) $50 \times 5 =$ |
| c) $21 \times 5 =$ | f) $40 \times 5 =$ | i) $60 \times 5 =$ |

#### Nsobanukiwe ko:

Iyo ukuba umubare w'imibarwa 2 na 5, uhera ku binyabumwe ugakurikizaho ibinyacumi.

### Igikorwa cya 2

Kuba ukurikije urugero wahawe

Urugero:

$$\begin{array}{r} 6 \ 1 \\ \times \ 5 \\ \hline 3 \ 0 \ 5 \end{array}$$

a)  $8 \ 1$

$$\begin{array}{r} \\ \times \ 5 \\ \hline \dots \end{array}$$

b)  $9 \ 1$

$$\begin{array}{r} \\ \times \ 5 \\ \hline \dots \end{array}$$

c)  $8 \ 0$

$$\begin{array}{r} \\ \times \ 5 \\ \hline \dots \end{array}$$

d)  $5 \ 1$

$$\begin{array}{r} \\ \times \ 5 \\ \hline \dots \end{array}$$

## 17. Amahurizo yo gukuba umubare w'imibarwa 2 na 5



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero:

Mu cyumba cyabereyemo ubukwe hari imirongo 5 y'intebe, kuri buri murongo hariho intebe 91. Shaka umubare w'intebe ziri muri icyo cyumba cy'ubukwe.

### Igisubizo:

Umubare w'intebe  $91 \times 5 = 455$

Umubare w'intebe ni 455

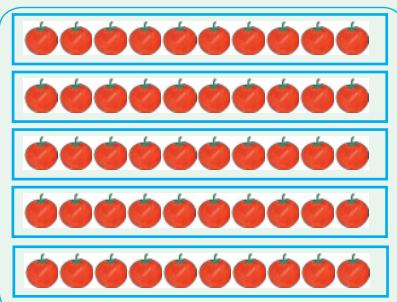
1. Umujyanama w'ubuzima yatanze inzitiramubu 5 kuri buri muryango. Shaka umubare w'inzitiramubu zatanzwe ku miryango 81.
2. Mu ishuri ryacu hari abanyeshuri **41**. Shaka umubare w'imyitozo ikorwa n'abanyeshuri bose buri munsi niba buri munyeshuri akora imyitozo 5 ku munsi.
3. Icyumba k'inama kirimo intebe **61**. Shaka umubare w'abantu bashobora gukwirwa muri icyo cyumba niba buri ntebe yicarwaho n'abantu 5.
4. Amatsinda 31 agizwe n'abantu 5 buri tsinda. Shaka umubare w'abantu bose bari muri ayo matsinda.
5. Mu gakarito k'amazi harimo uducupa **40**. Shaka umubare w'uducupa tw'amazi turi mu dukarito 5.

## 18. Igabanya ridasagura ry'umubare w'imibarwa 2 cyangwa 3 na 5

### Igikorwa cya 1

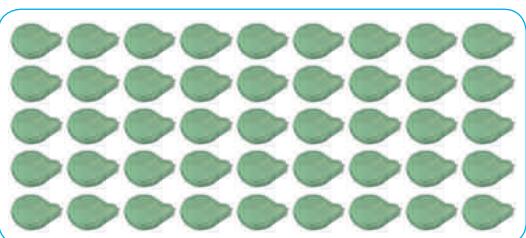
Bara umubare w'ibintu biri mu kirundo, bigabanyemo uturundo 5 tungana, bara ibyo ubonye muri buri karundo. Andika imibare ubonye ahabigenewe ukurikiza urugero rwatanzwe.

**Urugero:**



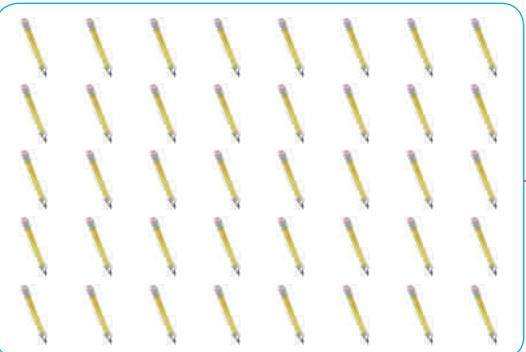
$$50 : 5 = 10$$

a)



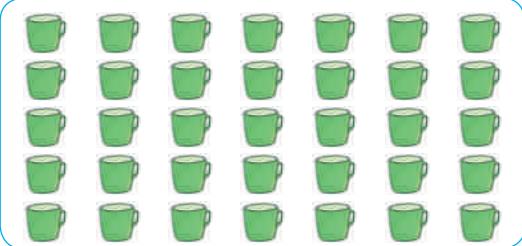
$$\boxed{\phantom{0}} : 5 = \boxed{\phantom{0}}$$

b)



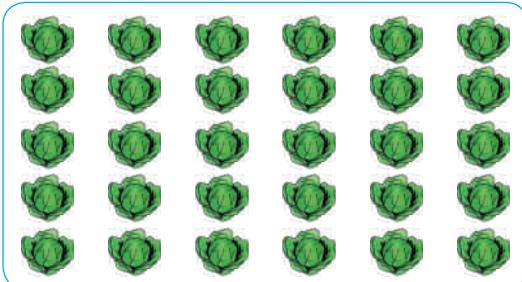
$$\boxed{\phantom{0}} : 5 = \boxed{\phantom{0}}$$

c)



$$\boxed{\quad} : 5 = \boxed{\quad}$$

d)



$$\boxed{\quad} : 5 = \boxed{\quad}$$



### Reka nuzuze imibare ibura



1)

$\therefore 5$	5	10	15	20	25	30	35	40	45	50
	—	—	—	—	—	—	—	—	—	—

2)

$\therefore 5$	—	10	—	20	—	30	—	40	—	50
	1	—	3	—	5	—	7	—	9	—

$\times 5$

3) Gabanya mu mutwe

a)  $50 : 5 =$

d)  $35 : 5 =$

g)  $20 : 5 =$

b)  $45 : 5 =$

e)  $30 : 5 =$

h)  $15 : 5 =$

c)  $40 : 5 =$

f)  $25 : 5 =$

i)  $10 : 5 =$

## Igikorwa cya 2

Mugabanye mukurikije urugero mwahawwe .

### Urugero:

$$55 : 5 = 11$$

$$\begin{array}{r} 5 \ 5 \\ - 5 \\ \hline 0 \ 5 \\ - 5 \\ \hline 0 \ 0 \end{array}$$

Ibinyacumi (c)	Ibinyabumwe (b)
$5 : 5 = 1$	$5 : 5 = 1$

- (a) 60 | 5      (b) 80 | 5      (c) 90 | 5

- (d) 50 | 5      (e) 65 | 5      (f) 85 | 5      (g) 95 | 5

## Igikorwa cya 3

Andika mu mahembe ugabanye.

- a)  $105 : 5 =$     c)  $315 : 5 =$     e)  $330 : 5 =$     g)  $440 : 5 =$   
b)  $210 : 5 =$     d)  $220 : 5 =$     f)  $135 : 5 =$     h)  $145 : 5 =$

### Nsobanukiwe ko:

Iyo ugabanya umubare ufile imibarwa ibiri cyangwa itatu, umubarwa wa mbere (ibinyajana) utagabanyika na 5, ufata umubarwa uwukurikiye (ibinyacumi) ukagira imibarwa ibiri hanyuma ukagabanya.



## Reka nuzuze iyi mbonerahamwe



x	0	1	2	3	4	5	6	7	8	9	10
2											
3											
4											
5											

## 19. Amahurizo yo kugabanya umubare w'imibarwa 2 cyangwa 3 na 5



## Reka dukore amahurizo dukurikije urugero twahawe



### Urugero:

Nugabanya ku buryo bungana amacunga 65 abanyeshuri 5. Buri wese azabona amacunga angahe?

### Igisubizo:

Buri wese azabona amacunga  $65 : 5 = 13$

Buri munyeshuri azabona amacunga 13

1. Ishyirahamwe ry'aborozi 5 ryagabanye inka 495 ku buryo bungana. Buri mworozi yatwaye inka zingahe?
2. Ikigo nderabuzima kigiye gutanga inzitiramubu 385 ku midugudu 5. Buri mudugudu uzahabwa inzitiramubu zingahe?

## ISUZUMA RISOZA UMUTWE WA 2

1. Andika mu mibare cyangwa mu magambo
  - (a) 497
  - (b) Magana atatu na mirongo inani na gatandatu
2. Ca akaziga ku mubare wasesenguwe
  - (a) b 3 c 6 j 4 → 1) 364      2) 463      3) 346
  - (b) j 3 b 2 c 4 → 1) 324      2) 423      3) 342
3. Mutahure umubare wasesenguwe
  - (a)  $(4 \times 100) + (8 \times 10) + (7 \times 1) =$
  - (b)  $300 + 70 + 6 =$
4. Andika iyi mibare mu mbonerahamwe y'ibara
  - (a) 268      (b) 475      (c) 473      (d) 352
5. Gereranya ukoreshjeje <, > na =
  - (a) 295  295      (c) 478  467
  - (b) 458  378
6. Tondeka iyi mibare uhoreye ku muto ujya ku munini  
439, 349, 493, 394, 387, 479
7. Tondeka iyi mibare uhoreye ku munini ujya ku muto  
293, 239, 387, 470, 389, 499
8. Teranya:
  - (a)  $234 + 253 =$       (c)  $378 + 114 =$
  - (b)  $257 + 208 =$       (d)  $369 + 128 =$

9. Kuramo:

(a)  $459 - 327 =$

(c)  $367 - 236 =$

(b)  $453 - 345 =$

(d)  $381 - 274 =$

10. Uzuza izi mbonerahamwe:

x4	—	2	—	4	—	6	—	8	—	10	:4
4	—	12	—	20	—	28	—	36	—	44	
x5	1	—	3	—	5	—	7	—	9	—	:5
—	10	—	20	—	30	—	40	—	50	—	

11. Kuba iyi mibare ikurikira:

(a)  $92$

$$\times \underline{4}$$

(c)  $81$

$$\times \underline{4}$$

(e)  $61$

$$\times \underline{4}$$

(g)  $70$

$$\times \underline{4}$$

(b)  $82$

$$\times \underline{5}$$

(d)  $91$

$$\times \underline{5}$$

(f)  $80$

$$\times \underline{5}$$

(h)  $90$

$$\times \underline{5}$$

12. Uzuza izi mbonerahamwe :

:4	—	8	—	16	—	24	—	32	—	40	x4
1	—	3	—	5	—	7	—	9	—	11	
:5	5	—	15	—	25	—	35	—	45	—	x5
—	2	—	4	—	6	—	8	—	10	—	

13. Andika mu mahembe ugabanye.

- |                 |                 |
|-----------------|-----------------|
| (a) $488 : 4 =$ | (d) $450 : 5 =$ |
| (b) $368 : 4 =$ | (e) $464 : 4 =$ |
| (c) $465 : 5 =$ | (f) $295 : 5 =$ |

14. Amahurizo

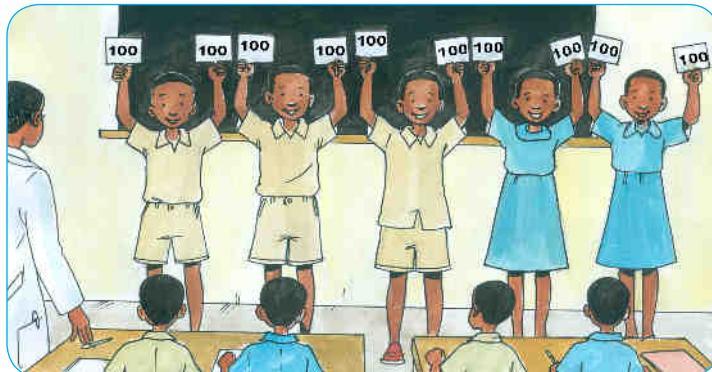
- (a) Mu Mudugudu wacu hateye ibiti 256. Uwo duturanye uteyemo ibiti 239. Shaka umubare w'ibiti biteye muri iyo Midugudu yombi.
- (b) Ikigo cyacu kirimo abanyeshuri 489. Shaka umubare w'abahungu bigamo niba abakobwa ari 297.
- (c) Umuyobozi w'ikigo yahaye abanyeshuri 72 ibitabo 4 buri wese. Bose yabahaye ibitabo bingahe?
- (d) Gabanya ku buryo bungana ibitabo 496, amashuri 4. Buri shuri rizahabwa ibitabo bingahe?
- (e) Hitamo igisubizo gikwiye:  
Gisa yagemuriye amaduka 5 inanasi 450.  
Niba yarazitanze ku buryo bungana, buri duka yarihaye inanasi zingahe?
- (i) Inanasi  $450 - 5 =$  Inanasi 445
  - (ii) Inanasi  $450 + 5 =$  Inanasi 455
  - (iii) Inanasi  $450 : 5 =$  Inanasi 90
- (f) Muhoza afite bombo 105 ashaka kugabanya ku buryo bungana bagenzi be 5. Buri wese azamuha bombo zingahe?

# Imibare kuva kuri 0 kugera ku 1000

## 1. Kubara, gusoma no kwandika imibare kuva kuri 0 kugera ku 1000

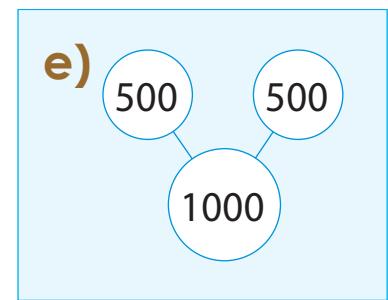
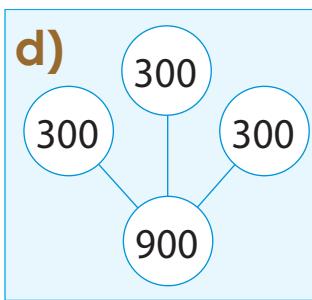
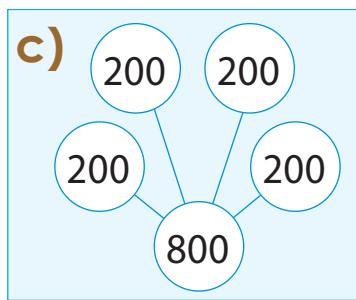
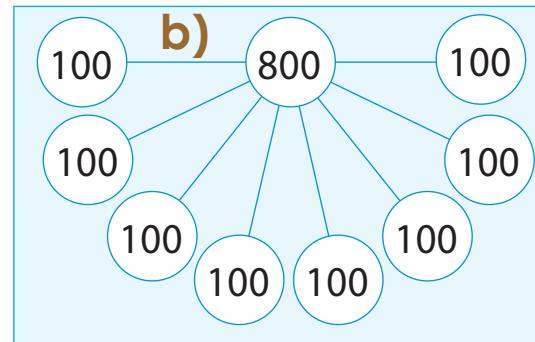
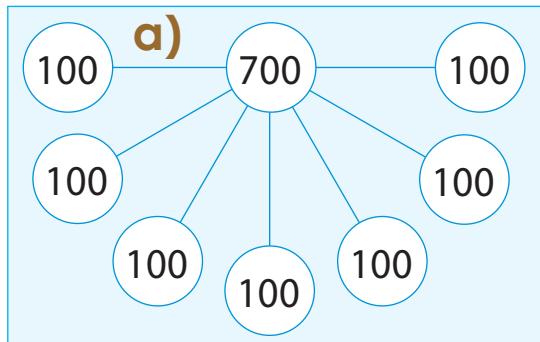
### Igikorwa cya 1

Mwitegerezé ishusho, muvuge ibyo mubonaho,  
muganire ku nshuro imibare y'amajana yagaragajwe.



### Igikorwa cya 2

Soma uranguruye ijwi imibare iri kuri a, b, c, d na e.



## Igikorwa cya 3

Mwitegerezé ishusho, musome imibare yanditse kuri izi modoka.



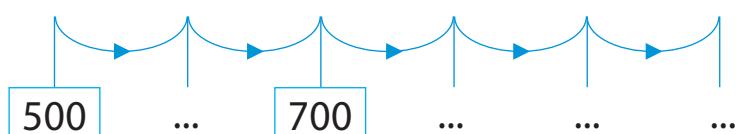
## Igikorwa cya 4

Mwitegerezé uru rutonde rw'imibare, musome muranguruye ijwi.

500	510	520	530	540	550	560	570	580	590	600
600	610	620	630	640	650	660	670	680	690	700
700	710	720	730	740	750	760	770	780	790	800
800	810	820	830	840	850	860	870	880	890	900
900	910	920	930	940	950	960	970	980	990	1000

## Igikorwa cya 5

Uzuza uyu murongo w'ibara ukoresha amajana.



## Igikorwa cya 6

Mwuzuze iyi imbonerahamwe hanyuma musome imibare mwujujemo.

500	501								510
550			553						
600						606			
650		652							
700			704						
750								759	
800							808		
850						857			
900					906				
950									960
990				995					1000

## Igikorwa cya 7

Mutombore udupapuro twanditseho imibare

647    729    836    975    564    697    786    859    918    999

Buri wese abwire bagenzi be umubare yatomboye.

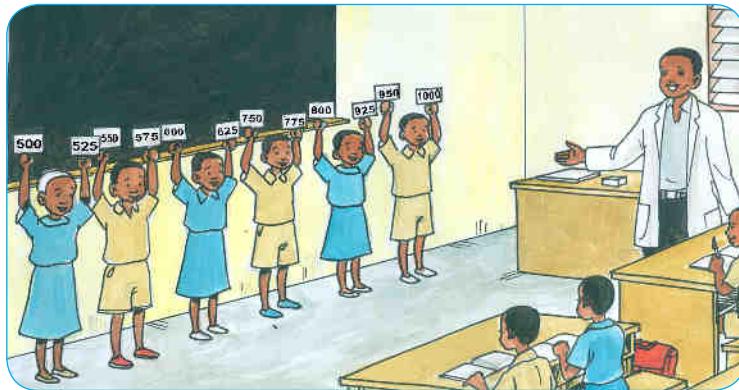
## Igikorwa cya 8

Muge mu mashuri y'umwaka wa mbere, ay'umwaka wa kabiri n'ay'umwaka wa gatatu. Maze mubaze umubare w'abanyeshuri biga muri buri shuri.

Muwandike nimusubira mu ishuri buri wese asome imibare yanditse.

## Igikorwa cya 9

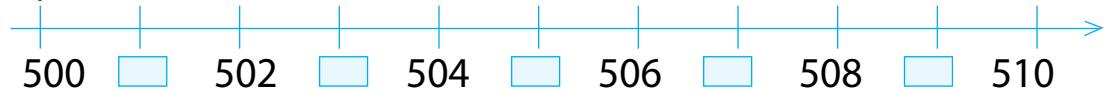
Mwitegerezé ishusho namwe mukore urutonde rw'imbare kuva kuri 500 kugera ku 1000.



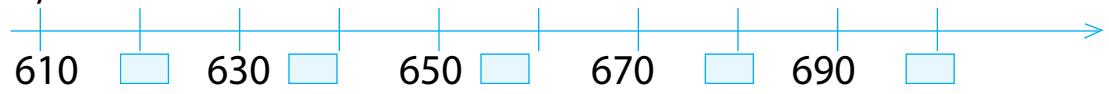
## Igikorwa cya 10

Mwuzuze imirongo y'ibara nimurangiza musome imibare iri kuri buri murongo.

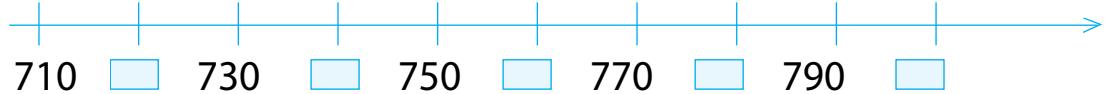
a)



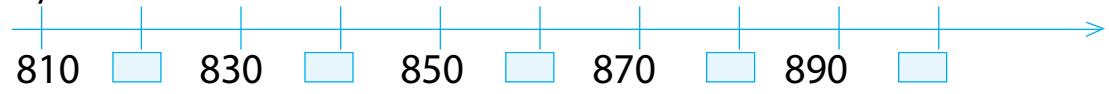
b)



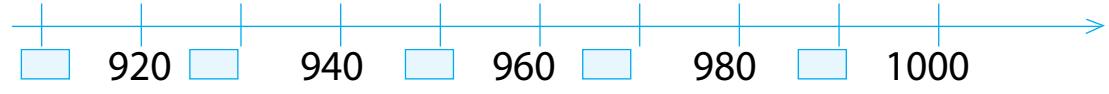
c)

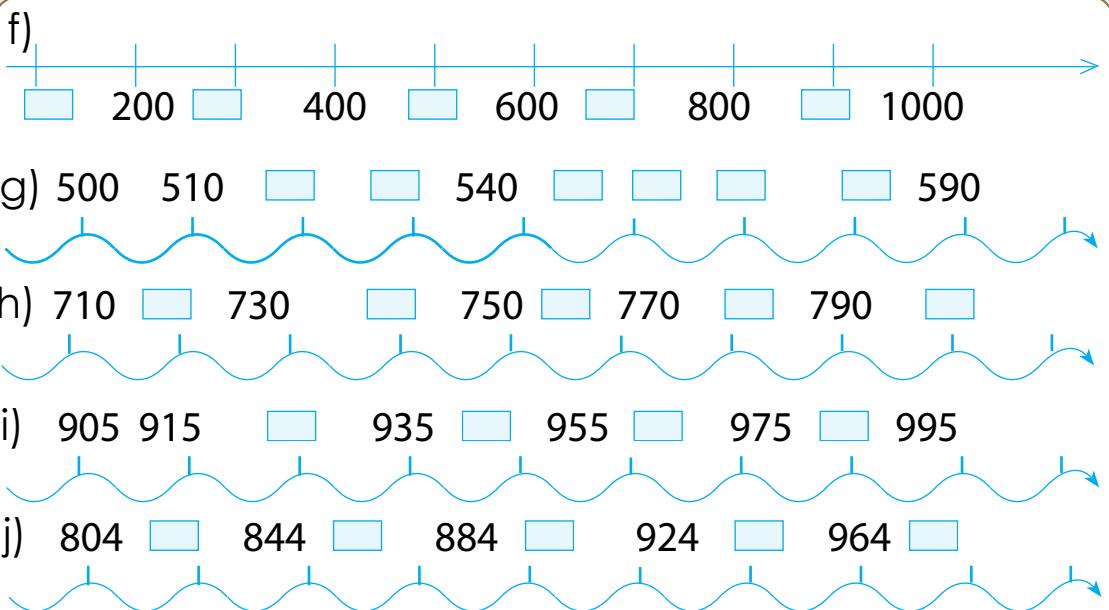


d)



e)





### Igikorwa cya 11

Mwandike mu magambo imibare yose iri hagati y'ijo mwahawe.

- a) Kuva kuri 500 kugera kuri 510
- b) Kuva kuri 665 kugera kuri 675
- c) Kuva kuri 595 kugera kuri 605
- d) Kuva kuri 846 kugera kuri 856
- e) Kuva kuri 968 kugera kuri 978

### Igikorwa cya 12

Andika iyi mibare mu magambo.

- a) 725
- b) 875
- c) 998
- d) 693

## Igikorwa cya 13

Andika aya magambo mu mibare.

- a) Magana atandatu mirongo inani:
- b) Magana inani na mirongo itatu:
- c) Magana atanu na gatanu:

## Igikorwa cya 14

Mwuzuze imibare ibura mu mbonerahamwe.

Nimurangiza musome imibare mwujujemo.

500					550				600
850				870					900
600						670			700
700		680							600
900	905								950
600					540				500
900						980		1000	
550				600					650
650						720			750
750			790						850
950					980				1000

## 2. Gusesengura imibare kuva kuri 0 kugera kuri 999

### Igikorwa cya 1

Andika iyi mibare mu mbonerahamwe ukurikiza urugero wahawe.

Urugero:

Andika 523

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
5	2	3

- a) 523    c) 745    e) 943    g) 933    i) 584    k) 769    m) 998  
b) 822    d) 627    f) 837    h) 513    j) 649    l) 827    n) 734

### Igikorwa cya 2

Koresha imbonerahamwe y'isesengura, wuzuze buri mubare, mu mwanya wawo. Kurikiza urugero rwatanzwe.

Urugero:

547 =j 5 c 4 b 7

- a) 487 =j... c ...b    d) 641 =j....c....b    g) 719 =j....c....b  
b) 814 =j....c....b    e) 917 =j....c....b    h) 680 =j....c....b  
c) 715 =j....c....b    f) 868 =j....c....b    i) 919 =j....c....b

### Igikorwa cya 3

Mukoreshe imbonerahamwe y'isesengura, mwandike umubare wasesenguwemo ibinyajana (**j**), ibinyacumi (**c**) n'ibinyabumwe (**b**).

- a) c 7 b 3 j 1 =    d) c 8 b 2 j 3 =    g) j 6 b 5 c 4 =  
b) b 5 j 8 c 2 =    e) b 5 c 7 j 2 =    h) b 8 j 4 c 0 =  
c) j 9 b 6 c 5 =    f) c 7 j 2 b 6 =    i) j 5 b 9 c 1 =

### 3. Kugreranya imibare kuva kuri 0 kugera kuri 999

#### Igikorwa cya 1

Mufate amakarita yanditseho imibare 325 na 253 n'ibimenyetso by'igereranya  $<$ ,  $>$  na  $=$  mugereranye mwerekana uko mwabikoze.

#### Igikorwa cya 2

Mufate amakarita yanditseho imibare. mugereranye abiri abiri mukoresheje ibimenyetso:  $<$ ,  $>$  na  $=$

Urugero:

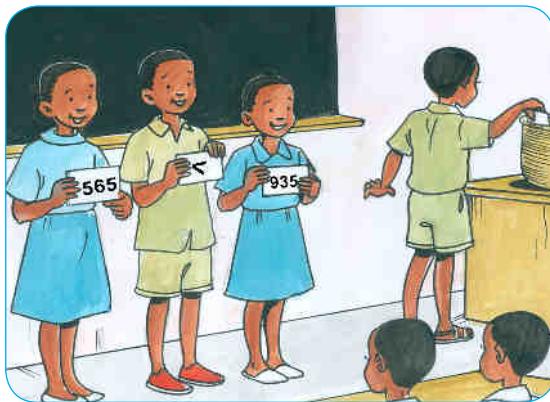
a. 915 ... 835      c. 579 ... 579

530 < 611

b. 758 ... 681      d. 793 ... 900

#### Igikorwa cya 3

Mutombore udupapuro turiho imibare 565 na 935 n'uturiho ibimenyetso by'igereranya  $<$ ,  $>$  na  $=$ . Mugereranye imibare mwatomboye musobanure igisubizo mwabonye.



## Igikorwa cya 4

Itegerezze iyi shusho ugereranye ibisheke abanyeshuri basaruye.



- Umwaka wa mbere: Ibisheke 625  
Umwaka wa kabiri: Ibisheke 700  
Umwaka wa gatatu: Ibisheke 810  
Umwaka wa kane: Ibisheke 697  
Umwaka wa gatanu: Ibisheke 800  
Umwaka wa gatandatu: Ibisheke 950  
Mugereranye umusaruro w'umwaka:  
a) wa 1 n'uwa 2   d) wa 4 n'uwa 5   g) wa 1 n'uwa 5  
b) wa 2 n'uwa 3   e) wa 6 n'uwa 5   h) wa 2 n'uwa 4  
c) wa 1 n'uwa 3   f) wa 2 n'uwa 5   i) wa 6 n'uwa 3



**Reka ngereranye nkoreshe <, > na =**



- a) 649  946   e) 831  528   i) 742  627  
b) 836  967   f) 745  745   j) 654  849  
c) 763  531   g) 922  627   k) 881  813  
d) 790  604   h) 501  601   l) 729  729

## **4. Gutondeka imibare kuva kuri 0 kugera kuri 999**

### **1. Gutondeka uva ku mubare muto ujya ku munini**

#### **Igikorwa cya 1**

Mukoreshe ikibarisho, mubare imibare 515, 650, 720, 847 na 905 maze mutondeke imibare muhereye ku muto mujya ku munini.

#### **Igikorwa cya 2**

Mwitegerezze iyi shusho, mutondeke amakarita y'imibare muhereye ku mubare muto mujya ku munini.



#### **Igikorwa cya 3**

Tondeka imibare ikurikira uhoreye ku muto ujya ku munini:

- a) 542, 745, 603
- c) 947, 598, 612
- e) 777, 658, 831
- b) 835, 784, 910
- d) 756, 882, 623
- f) 771, 717, 177

## 2. Gutondeka uva ku mubare muniniujya ku muto

### Igikorwa cya 4

Mukoresheje ikibarisho, mubare iyi mibare: 475, 649, 728, 694 na 823. Maze mutondeke imibare muhereye ku munini mujya ku muto mwerekane uko mwabikoze.

### Igikorwa cya 5

Mwitegerezeyi shusho mutondeke amakarita y'imibare muhereye ku mubare munini mujya ku muto.



### Igikorwa cya 6

Mutondeke muhereye ku mubare munini mujya ku mubare muto.

- |                  |                  |                  |
|------------------|------------------|------------------|
| a) 522, 745, 830 | e) 524, 556, 637 | i) 924, 908, 942 |
| b) 953, 848, 600 | f) 990, 799, 673 | j) 739, 709, 793 |
| c) 779, 500, 615 | g) 612, 621, 672 | k) 672, 607, 627 |
| d) 854, 728, 932 | h) 836, 806, 863 | l) 549, 509, 594 |

## 5. Guteranya imibare igiteranyo kitarenga 999

### 1. Guteranya imibare mu mutwe



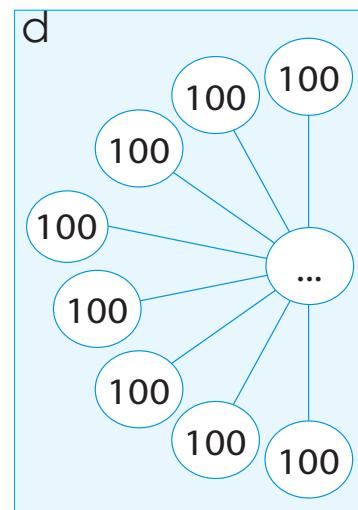
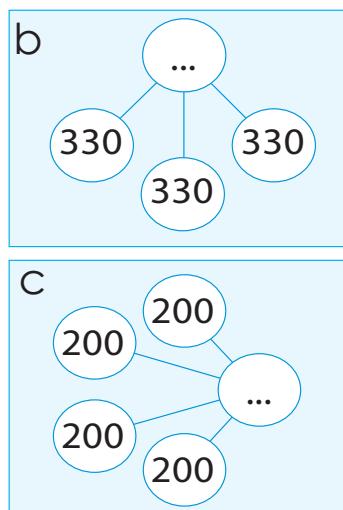
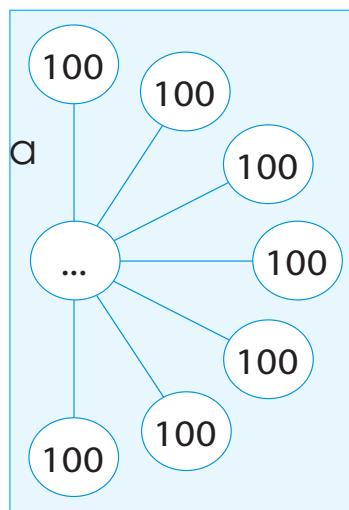
#### Igikorwa cya 1

Musome imibare muyiteranye mu mutwe maze mwandike igisubizo

- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| a) $500 + 50 =$ | d) $650 + 50 =$ | g) $600 + 50 =$ |
| b) $500 + 20 =$ | e) $800 + 50 =$ | h) $850 + 50 =$ |
| c) $720 + 30 =$ | f) $750 + 50 =$ | i) $900 + 80 =$ |

#### Igikorwa cya 2

Musome imibare, muyiteranye mu mutwe mwandike igisubizo.



## 2. Iteranya ritabitsa

### Igikorwa cya 3

Mwifashishe amakarita yanditeho imibare n'ariho  
ibimenyetso bya  $+$ ,  $=$

- A. 521 432 614 802 553 644
- B. 425 335 214 102 421 320
- C. 964 767 946 828 974 904

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cyo  $+$
- Mukurikizeho ikarita yo muri B
- Mukurikizeho ikarita iriho ikimenyetso cya  $=$
- Muhitemo igisubizo mu makarita yo muri C

Urugero:

$$521 + 425 = 946$$

### Igikorwa 4

Mukoreshe imbonerahamwe y'ibara mukore imyitozo  
ikurikira mukurikije urugero mwahawewe:

Urugero:

$$535 + 462 = 997$$

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
5	3	5
+ 4	6	2
9	9	7

- |                  |                  |                  |
|------------------|------------------|------------------|
| a) $523 + 475 =$ | d) $347 + 551 =$ | g) $682 + 216 =$ |
| b) $635 + 262 =$ | e) $752 + 245 =$ | h) $591 + 406 =$ |
| c) $712 + 277 =$ | f) $664 + 325 =$ | i) $615 + 381 =$ |

### Igikorwa cya 5

Ifashishe ibibarisho mu kubara wuzuza umubare ubura.

- |                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| a) $201 + \boxed{\phantom{0}} = 842$ | d) $301 + \boxed{\phantom{0}} = 634$ | g) $227 + \boxed{\phantom{0}} = 647$ |
| b) $255 + \boxed{\phantom{0}} = 578$ | e) $203 + \boxed{\phantom{0}} = 546$ | h) $418 + \boxed{\phantom{0}} = 799$ |
| c) $366 + \boxed{\phantom{0}} = 678$ | f) $200 + \boxed{\phantom{0}} = 738$ | i) $530 + \boxed{\phantom{0}} = 635$ |

### 3. Iteranya ribitsa

### Igikorwa cya 6

Mukoreshe imbonerahamwe y'ibara muteranye iyi mibare mukurikije urugero mwahawe.

**Urugero:**  $617 + 145 = \boxed{762}$

$$\begin{array}{r}
 & 1 \\
 & \boxed{6} \ 1 \ 7 \\
 + & 1 \ 4 \ 5 \\
 \hline
 & 7 \ \boxed{6} \ \boxed{2}
 \end{array}$$

$7 + 5 = 12$ .  
 Turandika 2 tubitse 1 mu binyacumi  
 $1 + 1 + 4 = 6$ .  
 Turateranya 1 twabitse ku binyacumi

- |                  |                  |                  |
|------------------|------------------|------------------|
| a) $625 + 167 =$ | d) $617 + 175 =$ | g) $376 + 128 =$ |
| b) $534 + 148 =$ | e) $415 + 228 =$ | h) $518 + 315 =$ |
| c) $446 + 229 =$ | f) $523 + 228 =$ | i) $392 + 278 =$ |

### Nsobanukiwe ko:

Iyo uteranya imibare uhera ku binyabumwe.

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
3	1	8
+ 5	2	4
8	9	2

Twandika 2 tukabitsa 1 mu binyacumi                     $8 + 4 = 12$



### Reka nkoreshe imbonerahamwe y'ibara nteranye



- |                  |                  |                  |
|------------------|------------------|------------------|
| a) $520 + 258 =$ | e) $737 + 126 =$ | i) $489 + 227 =$ |
| b) $277 + 496 =$ | f) $588 + 145 =$ | j) $565 + 208 =$ |
| c) $539 + 143 =$ | g) $449 + 336 =$ | k) $834 + 128 =$ |
| d) $685 + 146 =$ | h) $673 + 149 =$ | l) $798 + 186 =$ |

## 6. Amahurizo yo guteranya imibare igiteranyo kitarenga 999



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero:

Mu kigega harimo ibigori 567, nibongeramo ibindi 312 ubwo haraba harimo ibigori bingahe byose hamwe?

### Igisubizo:

Umubare w'ibigori  $567 + 312 = 879$

Ibigori byose hamwe ni 879

1. Abanyeshuri bakoresheje impapuro 534 mu kizamini k'imibare. Mu kinyarwanda bakoresha impapuro 365. Bakoresheje impapuro zingahe zose hamwe?
2. Mu bukwe bakoresheje impapuro 450 zo kwihanaguza intoki mbere yo gufungura. Nyuma bakoresha izindi mpapuro 539. Bakoresheje impapuro zingahe zose hamwe?
3. Mu isoko harimo abacuruzi 723 bacuruza. Hiyongeraho abandibacuruzi 276. Ubwo harimo abacuruzibangahe?

## 7. Gukuramo imibare ikinyuranyo kitarenga 999

### 1. Gukuramo imibare mu mutwe

#### Igikorwa cya 1

Musome, mukuremo mu mutwe mwandike igisubizo.

- |                 |                  |                  |
|-----------------|------------------|------------------|
| a) $800 - 50 =$ | d) $600 - 50 =$  | g) $850 - 150 =$ |
| b) $900 - 50 =$ | e) $500 - 50 =$  | h) $650 - 150 =$ |
| c) $700 - 50 =$ | f) $950 - 150 =$ | i) $450 - 50 =$  |

## 2. Ikuramo ridatira

### Igikorwa cya 2

Mwitegerezze iyi shusho muvuge ibiri gukorwa.



### Igikorwa cya 3

Mwifashishe amakarita yanditseho imibare n'ariho  
ibimenyetso bya  $-$ ,  $=$

A. 875    964    787    649    584    938

B. 365    538    242    615    272    752

C. 34    312    426    186    510    545

- Mufate ikarita imwe yo muri A
- Mukurikizeho ikarita iriho ikimenyetso cya  $-$
- Mukurikizeho ikarita yo muri B
- Mukurikizeho ikarita iriho ikimenyetso cya  $=$
- Muhitemo igisubizo mu makarita yo muri C

Urugero:

875     $-$     365     $=$     510

### Igikorwa cya 4

Mukoreshe imbonerahamwe y'ibara mukore imyitozo  
mukurikije urugero mwahawe.

## Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
9	9	5
- 4	6	3
5	3	2

- a)  $986 \boxtimes 275 =$       d)  $687 \boxtimes 351 =$       g)  $987 \boxtimes 216 =$   
 b)  $864 \boxtimes 162 =$       e)  $648 \boxtimes 145 =$       h)  $896 \boxtimes 154 =$   
 c)  $789 \boxtimes 177 =$       f)  $763 \boxtimes 252 =$       i)  $786 \boxtimes 473 =$

## 3. Ikuramo ritira

### Igikorwa cya 5

Mukoreshe imbonerahamwe y'ibara mukuremo imibare ikurikira mukurikije urugero mwahawe.

## Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
6	4 5	10 1
$\boxtimes$ 2	4	5
4	0	6

651 – 245. Iyo ukuramo imibare uhera ku binyabumwe.

1 – 5 **ntibishoboka**. Ndatira ikinyacumi 1 mu binyacumi 5 kingana n'ibinyabumwe 10 nongere ku kinyabumwe 1. 
$$\begin{array}{r} 651 \\ - 245 \\ \hline 406 \end{array}$$
  
 $b10 + b1 = b11. 11 - 5 = 6$  hanyuma  $4 - 4 = 0$   
 $6 - 2 = 4$

- a)  $651 - 246 =$       d)  $774 - 359 =$       g)  $577 - 228 =$   
 b)  $542 - 147 =$       e)  $845 - 226 =$       h)  $783 - 357 =$   
 c)  $463 - 138 =$       f)  $966 - 257 =$       i)  $694 - 389 =$



### Reka nkore



1. Koresha imbonerahamwe y'ibara ukore iyi myitozo:

- a)  $785 - 356 =$       h)  $832 - 149 =$       o)  $543 - 247 =$   
 b)  $937 - 268 =$       i)  $642 - 247 =$       p)  $732 - 163 =$   
 c)  $693 - 339 =$       j)  $438 - 399 =$       r)  $296 - 199 =$   
 d)  $785 - 348 =$       k)  $934 - 288 =$       s)  $634 - 277 =$   
 e)  $836 - 327 =$       l)  $296 - 199 =$       t)  $731 - 292 =$   
 f)  $985 - 246 =$       m)  $634 - 277 =$       u)  $543 - 247 =$   
 g)  $721 - 272 =$       n)  $731 - 292 =$       v)  $732 - 163 =$

2. Uzuza umubare ubura.

- a)  $576 = \boxed{\quad} - 124$     d)  $250 = 675 - \boxed{\quad}$     g)  $887 - \boxed{\quad} = 47$   
 b)  $520 = \boxed{\quad} - 78$     e)  $455 = 795 - \boxed{\quad}$     h)  $966 - \boxed{\quad} = 140$   
 c)  $415 = \boxed{\quad} - 140$     f)  $330 = 668 - \boxed{\quad}$     i)  $474 - \boxed{\quad} = 324$

## 8. Amahurizo yo gukuramo imibare iri munsi ya 999



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero

Ikigo cyacu bagihaye ibitabo byo gusoma 850 niba 615 byarahawe abanyeshuri, hasigaye ibitabo bingahe?

### Igisubizo

**Hasigaye ibitabo**  $850 - 615 = 235$

**Hasigaye**

**ibitabo 235**

1. Mwarimu yaguze amakaramu 500, aduha amakaramu 342. Yasigaranye amakaramu angahe?
2. Butera yasaruye imifuka 646 y'ibirayi, mushiki we asarura imifuka 837 y'ibirayi. Ni nde wasaruye imifuka myinshi? Yamurushije imifuka ingahe?
3. Umwaka ushize Zigama yaranguye amashati 954, acuruza amashati 719. Shaka umubare w'amashati yasigaranye?
4. Mu busabane ku Murenge wacu baguze amacupa 960 ya fanta. Abitabiriye ubusabane bari 756 kandi buri wese yahawe icupa 1 rya fanta. Ubwo hasigaye Fanta zingahe?
5. Uyu mwaka Leta yaguze imodoka 942 zose hamwe. Niba 749 muri zo ari imodoka ntoya shaka umubare w'imodoka nini yaguze?

## 9. Mara ya 6 n'ibikubo bya 6

### Igikorwa cya 1

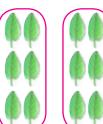
Mukore uturundo tw'utubarisho dutandatu dutandatu, ku buryo bukurikira:

Akarundo 1; uturundo 2; 3; 4; 5; 6; 7; 8; 9; 10.

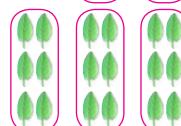
Muvuge kandi mwandike umubare mwabonye kuri buri nshuro.



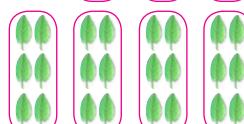
$$6 \times 1 = 6$$



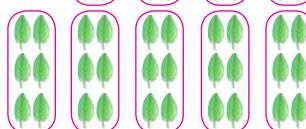
$$6 \times 2 = 12$$



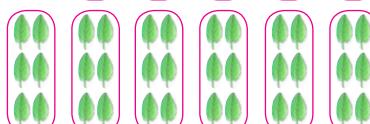
$$6 \times 3 = 18$$



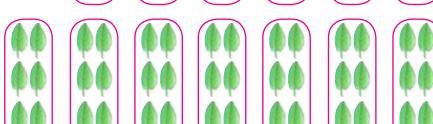
$$6 \times 4 = 24$$



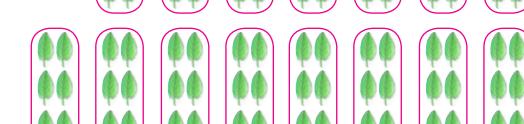
$$6 \times 5 = 30$$



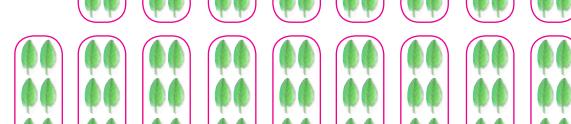
$$6 \times 6 = 36$$



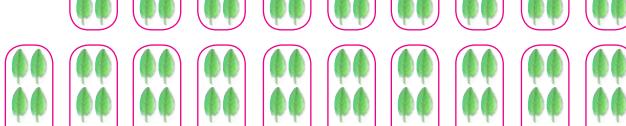
$$6 \times 7 = 42$$



$$6 \times 8 = 48$$



$$6 \times 9 = 54$$



$$6 \times 10 = 60$$

## Igikorwa cya 2

Uzurisha imibare ibura.

a)  $6 = 6 \times$

f)  $36 =$    $\times 6$

b)  $12 =$    $\times 6$

g)  $42 = 6 \times$

c)  $18 = 6 \times$

h)  $48 =$    $\times 6$

d)  $24 =$    $\times 6$

i)  $54 =$    $\times 6$

e)  $30 = 6 \times$

j)  $60 = 6 \times$

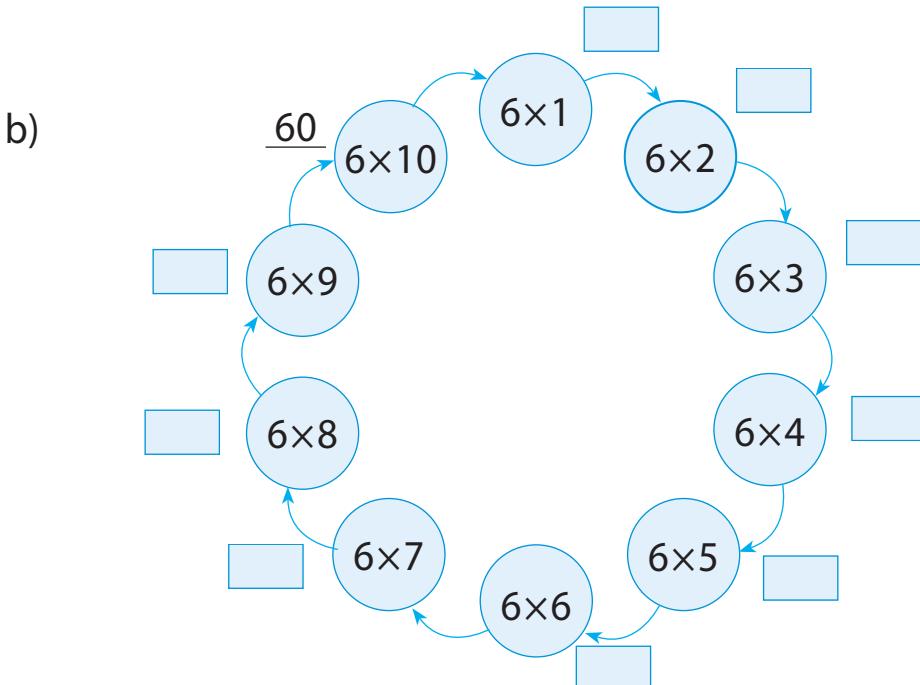


**Reka nuzuze imibare ibura**



a)

$\times 6$	1	2	3	4	5	6	7	8	9	10
...	...	...	...	...	...	...	...	...	...	...



c)

$\times 6$	...	2	...	4	...	6	...	8	...	10	$: 6$
6	...	18	...	30	...	42	...	54	...	...	

## Gereranya

- |              |                          |               |              |                          |              |
|--------------|--------------------------|---------------|--------------|--------------------------|--------------|
| a) $30 + 30$ | <input type="checkbox"/> | $6 \times 10$ | f) $15 + 3$  | <input type="checkbox"/> | $6 \times 3$ |
| b) $15 + 15$ | <input type="checkbox"/> | $6 \times 5$  | g) $20 + 22$ | <input type="checkbox"/> | $6 \times 7$ |
| c) $30 + 24$ | <input type="checkbox"/> | $6 \times 9$  | h) $6 + 6$   | <input type="checkbox"/> | $6 \times 2$ |
| d) $10 + 14$ | <input type="checkbox"/> | $6 \times 4$  | i) $15 + 21$ | <input type="checkbox"/> | $6 \times 6$ |
| e) $24 + 24$ | <input type="checkbox"/> | $6 \times 8$  | j) $3 + 3$   | <input type="checkbox"/> | $6 \times 1$ |

## 10. Gukubisha 6 imibare y'imibarwa 2 cyangwa 3

### Igikorwa cya 1

Mukoreshe imbonerahamwe y'ibara mukore imyitozo.

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
x	2	1 6
1	2	6

### Nsobanukiwe ko:

Iyo ukuba imibare uhera ku binyabumwe.

2 5

$\times \quad 6$

$\overline{1 \quad 5 \quad 0}$

$5 \times 6 = 30.$

Turandika 0 tubitse 3

$2 \times 6 = 12.$

Turongeraho 3 twabitse  $3 + 12 = 15.$

- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| a) $6 \times 11 =$ | c) $6 \times 30 =$ | g) $6 \times 41 =$ |
| b) $6 \times 20 =$ | e) $6 \times 31 =$ | h) $6 \times 50 =$ |
| c) $6 \times 21 =$ | f) $6 \times 40 =$ | i) $6 \times 60 =$ |

## Igikorwa cya 2

Mukube mukurikije urugero mwahawe.

**Urugero:**

a) 81	b) 80	c) 90	d) 91
$\begin{array}{r} 7 \ 0 \\ \times 6 \\ \hline 4 \ 2 \ 0 \end{array}$	$\begin{array}{r} \times 6 \\ \hline \end{array}$	$\begin{array}{r} \times 6 \\ \hline \end{array}$	$\begin{array}{r} \times 6 \\ \hline \end{array}$
e) 71	f) 61	g) 51	h) 10
	$\begin{array}{r} \times 6 \\ \hline \end{array}$	$\begin{array}{r} \times 6 \\ \hline \end{array}$	$\begin{array}{r} \times 6 \\ \hline \end{array}$

## 11. Amahurizo yo gukuba imibare na 6



**Reka dukore amahurizo  
dukurikije urugero twahawe**



**Urugero:**

Mu muganda abaturage 91 bateye ibiti 6 buri wese. Shaka umubare w'ibiti byatewe n'abaturage

**Igisubizo:**

Umubare w'ibiti bateye  $6 \times 91 = 546$

Umubare w'ibiti bateye ni 546

$$\begin{array}{r} 9 \ 1 \\ \times 6 \\ \hline 5 \ 4 \ 6 \end{array}$$

1. Intebe 51 zicarwaho n'abantu bangahe niba buri ntebe ifite ibyicaro 6.
2. Abanyeshuri 41 bahawe amakayi 6 buri wese. Shaka umubare w'amakayi bahawe yose hamwe.
3. Inyubako ifite amagorofa 31, buri gorofa rifite ibyumba 6. Shaka umubare w'ibyumba biri muri iyo nyubako.

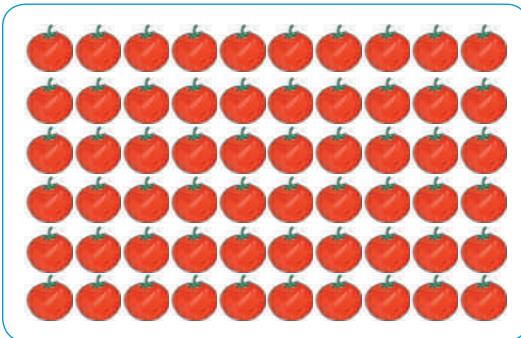
4. Imbere y'ibendera hari imirongo 6 y'abanyeshuri. Vuga umubare w'abanyeshuri bari kuri iyo mirongo niba buri murongo uriho abanyeshuri 61.
5. Mu cyumba cy'ubukwe hari imirongo 6 y'intebe, kuri buri murongo hari intebe 95. Shaka umubare w'intebe ziri muri icyo cyumba.
6. Umubaji afite ibiti 6. shaka umubare w'imba ho zizavamo niba buri gitu azagisaturamo imba ho 50

## 12. Kugabanya imibare na 6 badasagura

### Igikorwa cya 1

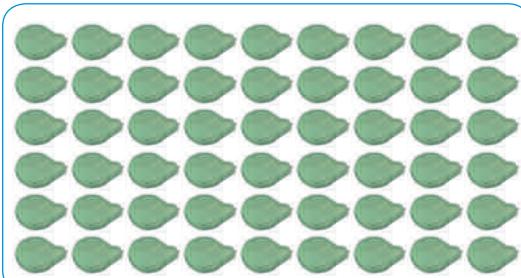
Mubare umubare w'ibintu biri mu  
kirundo mubigabanyemo uturundo 6 tungana maze  
mwandike igisubizo ahabugenewe.

a)



$$\rightarrow \boxed{\phantom{0}} : 6 = \boxed{\phantom{0}}$$

b)



$$\rightarrow \boxed{\phantom{0}} : 6 = \boxed{\phantom{0}}$$

c)



$$\boxed{\quad} : 6 = \boxed{\quad}$$

d)



$$\boxed{\quad} : 6 = \boxed{\quad}$$



### Reka nuzuze imibare ibura



1)  $\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline :6 & 6 & 12 & 18 & 24 & 30 & 36 & 42 & 48 & 54 & 60 \\ \hline \dots & \dots \\ \hline \end{array}$

2)  $\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline :6 & \dots & 12 & \dots & 24 & \dots & 36 & \dots & 48 & \dots & 60 \\ \hline 1 & \dots & 3 & \dots & 5 & \dots & 7 & \dots & 9 & \dots \\ \hline \end{array} \quad \times 6$

3) Kora imyitozo ikurikira:

(a)  $60 : 6 = \boxed{\quad}$

(d)  $54 : 6 = \boxed{\quad}$

(g)  $48 : 6 = \boxed{\quad}$

(b)  $42 : 6 = \boxed{\quad}$

(e)  $36 : 6 = \boxed{\quad}$

(h)  $30 : 6 = \boxed{\quad}$

(c)  $24 : 6 = \boxed{\quad}$

(f)  $18 : 6 = \boxed{\quad}$

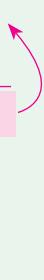
(i)  $12 : 6 = \boxed{\quad}$

### 13. Igabanya ridasagura ry'imibare y'imibarwa 2 cyangwa 3 na 6

#### Igikorwa cya 1

Mugabanye imibare ikurikira mukurikije urugero mwahawe:

##### Urugero:

$$\begin{array}{r} 66 : 6 = 11 \\ \begin{array}{r} 6 & 6 \\ - 6 & \hline 1 & 1 \\ - 6 & \hline 0 & 6 \\ - 6 & \hline 0 & 0 \end{array} \end{array}$$


Ibinyacumi (c)	Ibinyabumwe (b)
$6 : 6 = 1$	$6 : 6 = 1$
$60 : 6 = 10$	

- a)  $72 \Big| 6$    b)  $144 \Big| 6$    (c)  $78 \Big| 6$    d)  $114 \Big| 6$
- e)  $720 \Big| 6$    f)  $780 \Big| 6$    (g)  $204 \Big| 6$    h)  $636 \Big| 6$
- i)  $666 \Big| 6$    j)  $264 \Big| 6$    (k)  $930 \Big| 6$    l)  $420 \Big| 6$

##### Nsobanukiwe ko:

Iyo ugabanya umubare ufile imibarwa ibiri cyangwa itatu, umubarwa w'ibinyajana (**j**) utagabanyika na 6 uhita ufata umubarwa uwukurikiye w'ibinyacumi (**c**) ukagira ibiri hanyuma ukagabanya.



## Reka nandike mu mahembe ngabanye



- a)  $186 : 6 = \square$    d)  $300 : 6 = \square$    g)  $480 : 6 = \square$    j)  $888 : 6 = \square$   
 b)  $198 : 6 = \square$    e)  $366 : 6 = \square$    h)  $600 : 6 = \square$    k)  $570 : 6 = \square$   
 c)  $264 : 6 = \square$    f)  $396 : 6 = \square$    i)  $960 : 6 = \square$    l)  $966 : 6 = \square$

## 14. Amahurizo yo kugabanya imibare na 6



### Reka dukore amahurizo dukurikije urugero twahawe



#### Urugero:

Ikigo gifasha abana cyaguze ibitabo 984 kibiha ibigo by'amashuri 6 ku buryo bungana. Buri kigo k'ishuri cyabonye ibitabo bingahe?

#### Igisubizo:

Cyabonye ibitabo  $984 : 6 = 164$

Buri kigo cyabonye ibitabo 164

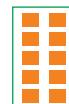
$$\begin{array}{r}
 984 \\
 - 6 \downarrow \\
 \hline
 38 \\
 - 36 \downarrow \\
 \hline
 24 \\
 - 24 \\
 \hline
 00
 \end{array} \quad \boxed{6}$$

- Umucuruzi yagabanyije abanyeshuri 6 amakayi 246 ku buryo bungana. Ubwo buri munyeshuri azafata amakayi angahe?
- Inka za Musoni zikamwa litiro 486 mu mins 6. Ubwo ku munsi zikamwa litiro zingahe ?
- Gabanya ku buryo bungana imipira yo gukina 864 mu bigo 6. Buri kigo uzagiha imipira ingahe?

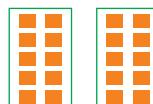
## 15. Gukubisha imibare 10 na 100

### Igikorwa cya 1

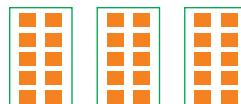
Mufate utubarisho 10 inshuro 1, 2, 3 , 4 , 5 ,6 , 7, 8 ,9 na  
10. Muvuge umubare  
w'utubarisho mubonye kuri buri nshuro.



$$10 \times 1 = 10$$



$$10 \times 2 = 20$$



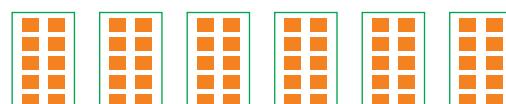
$$10 \times 3 = 30$$



$$10 \times 4 = 40$$



$$10 \times 5 = 50$$



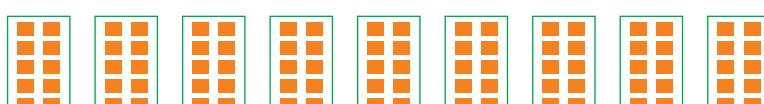
$$10 \times 6 = 60$$



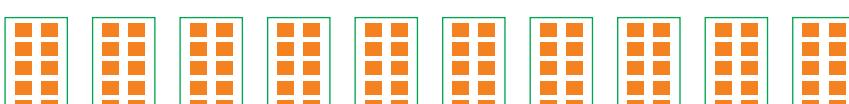
$$10 \times 7 = 70$$



$$10 \times 8 = 80$$



$$10 \times 9 = 90$$



$$10 \times 10 = 100$$

## Nsobanukiwe ko:

- Iyo ukubisha umubare 10 n'undi mubare wandika uwo mubare ukongeraho zero imwe.
- Iyo ukubisha umubare 100 n'undi mubare wandika uwo mubare ukongeraho amazeru 2.

## Igikorwa cya 2

Mukube na 10 cyangwa 100 mukurikije urugero mwahawwe.

### Urugero:

$10 \times 23 = 230$

$10 \times 99 = 990$

$100 \times 2 = 200$

$10 \times 60 = 600$

$100 \times 1 = 100$

$100 \times 3 = 300$

a)  $10 \times 11 = \square$

e)  $10 \times 53 = \square$

i)  $10 \times 97 = \square$

b)  $10 \times 22 = \square$

f)  $10 \times 68 = \square$

j)  $10 \times 100 = \square$

c)  $10 \times 35 = \square$

g)  $10 \times 71 = \square$

k)  $100 \times 4 = \square$

d)  $10 \times 48 = \square$

h)  $10 \times 86 = \square$

l)  $100 \times 5 = \square$



### Reka nkore



## 1. Uzurisha 10 cyangwa 100

- |                              |                              |                               |
|------------------------------|------------------------------|-------------------------------|
| a) $\square \times 97 = 970$ | e) $\square \times 7 = 700$  | i) $10 \times \square = 1000$ |
| b) $\square \times 64 = 640$ | f) $\square \times 9 = 900$  | j) $\square \times 10 = 100$  |
| c) $\square \times 83 = 830$ | g) $\square \times 59 = 590$ | k) $\square \times 77 = 770$  |
| d) $\square \times 4 = 400$  | h) $\square \times 29 = 290$ | l) $\square \times 5 = 500$   |

## 2. Uzuza izi mbonerahamwe

a)

	1	2	3	4	5	6	7	8	9	10
$\times 2$										
$\times 3$										
$\times 4$										
$\times 5$										
$\times 6$										
$\times 10$										

b)

	12	24	36	48	60
$: 2$					
$: 3$					
$: 6$					

c)

	10	20	30	40	50	60	70	80	90	100	200
$: 2$											
$: 5$											

## 3. Kuba imibare ikurikira

a)  $70 \times 10 = \square$

e)  $71 \times 10 = \square$

b)  $80 \times 10 = \square$

f)  $40 \times 10 = \square$

c)  $99 \times 10 = \square$

g)  $8 \times 100 = \square$

d)  $63 \times 10 = \square$

h)  $21 \times 10 = \square$

### ISUZUMA RISOZA UMUTWE WA 3

1. Andika mu mibare cyangwa mu magambo
  - (a) 976 :
  - (b) Magana inani na mirongo itatu na gatanu:
2. Ca akaziga ku mubare wasesenguwe
  - (a) b 9 j 7 c 6 → 1) 976      2) 796      3) 769
  - (b) b 8 c 4 j 9 → 1) 948      2) 849      3) 498
3. Mutahure imibare yasesenguwe
  - (a)  $(8 \times 100) + (7 \times 10) + (9 \times 1) =$
  - (b)  $900 + 90 + 9 =$
4. Andika iyi mibare mu mbonerahamwe y'ibara
  - (a) 896      (b) 759      (c) 837      (d) 925
5. Gereranya ukoresheje <, > na =
  - (a) 985  895      (c) 768  768
  - (b) 594  854      (d) 972  927
6. Tondeka iyi mibare uhoreye ku muto ujya ku munini  
793, 947, 986, 969, 678, 789
7. Tondeka iyi mibare uhoreye ku munini ujya ku muto  
972, 984, 837, 749, 839, 949
8. Teranya:
  - (a)  $534 + 453 =$
  - (b)  $738 + 241 =$
  - (c)  $572 + 418 =$
  - (d)  $693 + 289 =$
9. Kuramo:
  - (a)  $857 - 727 =$
  - (b)  $967 - 856 =$
  - (c)  $935 - 798 =$
  - (d)  $618 - 579 =$

**10. Uzuza iyi mbonerahamwe**

—	2	—	4	—	6	—	8	—	10
6	—	18	—	30	—	42	—	54	—

×6

:6

**11. Kuba imibare ikurikira:**

(a)  $91 \times 6 =$

\_\_\_\_\_

(c)  $80 \times 6 =$

\_\_\_\_\_

(e)  $71 \times 6 =$

\_\_\_\_\_

(g)  $61 \times 6 =$

\_\_\_\_\_

(b)  $51 \times 6 =$

\_\_\_\_\_

(d)  $90 \times 6 =$

\_\_\_\_\_

(f)  $50 \times 6 =$

\_\_\_\_\_

(h)  $41 \times 6 =$

\_\_\_\_\_

**12. Uzuza na 10 cyangwa 100**

(a)  $9 \times \boxed{\quad} = 900$

(b)  $89 \times \boxed{\quad} = 890$

(c)  $\boxed{\quad} \times 98 = 980$

(d)  $\boxed{\quad} \times 8 = 800$

**13. Uzuza iyi mbonerahamwe**

—	12	—	24	—	36	—	48	—	60
1	—	3	—	5	—	7	—	9	—

:6

×6

**14. Gabanya imibare ikurikira:**

(a)  $966 : 6 =$

(f)  $870 : 6 =$

(b)  $684 : 6 =$

(g)  $774 : 6 =$

(c)  $564 : 6 =$

(h)  $954 : 6 =$

(d)  $624 : 6 =$

(i)  $978 : 6 =$

(e)  $864 : 6 =$

(j)  $786 : 6 =$

## 15. Amahurizo

- (a) Shema afite inka 978. Niba yagurishijeho 568 ubwo azasigarana inka zingahe?
- (b) Ni uwuhe mubare wakongera kuri 567 kugira ngo ubone 999?
- (c) Mu bubiko bw'ibitabo harimo ibitabo 967. Niba abanyeshuri baratwayeho 765 bakajya ku byigiramo hasigaye ibitabo bingahe?
- (d) Ni uwuhe mubare wavana muri 987 kugira ngo usigarane 556.
- (e) Ni uwuhe mubare wateranya na 568 kugira ngo ubone 879.
- (f) Mu Mudugudu wa Bumanzi hatuyemo abagabo 235, abagore 262 n'abana 302. Shaka umubare w'abaturage batuye muri uwo Mudugudu.
- (g) Gabanya ku buryo bungana Imidugudu 6 inzitiramubu 864. Buri Mudugudu uzahabwa inzitiramubu zingahe?
- (h) Mu kigo cyacu hari imyaka ya kabiri 6. Shaka umubare w'abanyeshuri bose niba buri shuri ririmo abanyeshuri 41.
- (i) Ntwari afite amacupa y'amazi 186 ashaka gushyira mu makarito 6 ku buryo bungana. Buri karito azayishyiramo amacupa angahe y'amazi?

## 1. Kimwe cya kabiri ( $\frac{1}{2}$ )

(a) Gusoma no kwandika umugabane  $\frac{1}{2}$

### Igikorwa cya 1

Fata urupapuro uruhinemo ibice bibiri bingana. Ubitandukanye ubyereke bagenzi bawe, muganire ku bice mubonye.

### Igikorwa cya 2

Fata urupapuro uruhinemo ibice bibiri bingana. Igice kimwe ugisige ibara. Ugereranye igice gisize. ibara n'ikidasize.

### Igikorwa cya 3

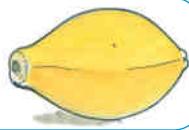
Itegerezze amashusho, uvuge izina ry'igice cyakuwe ku kizima.

a)



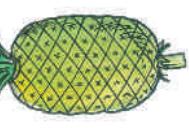
ni...k'icunga  
ryose.

b)



ni...k'ipapayi  
yose.

c)



ni...k'inanasi  
yose.

## Nsobanukiwe ko:

- Icunga ryose, ipapayi yose n'inanasi yose, ari **ikizima**. Igice kimwe cya kabiri ( $\frac{1}{2}$ ) ni **umugabane**.
- $\frac{1}{2}$  (kimwe cya kabiri) k'ikintu ari cya kintu ugabanyamo ibice bibiri bingana.
- $\frac{1}{2}$  (kimwe cya kabiri) inshuro ebyiri ari ikizima kimwe.

## Igikorwa cya 4

Mwitegereze, mwigane uko bandika  $\frac{1}{2}$ .

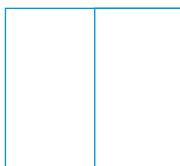


(b) Gushushanya no gusiga ibara umugabane  $\frac{1}{2}$

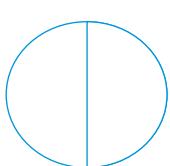
## Igikorwa cya 5

Itegereze usige ibara kimwe cya kabiri ( $\frac{1}{2}$ ) cya buri shusho.

a.



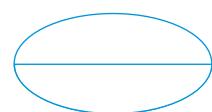
b.



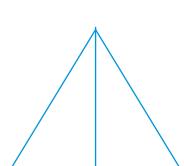
c.



d.



e.



## Igikorwa cya 5

Shushanya uruziga ku rupapuro,  $\frac{1}{2}$  cyarwo ugisige ibara.

## 2. Kimwe cya kane $\frac{1}{4}$

(a) Gusoma no kwandika umugabane  $\frac{1}{4}$

### Igikorwa cya 1

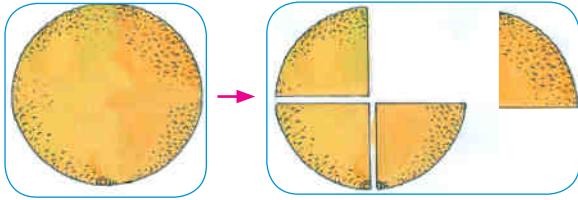
Fata urupapuro uruhinemo ibice bine bingana.  
Bitandukanye ubyereke bagenzi bawe muganire  
ku bice mubonye.

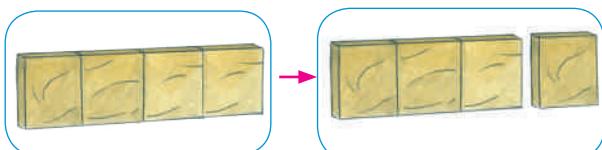
### Igikorwa cya 2

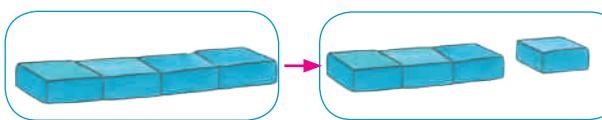
Mufate urupapuro muruhinemo ibice bine bingana  
ariko ntimubitandukanye. Mufate igice kimwe  
mugisige ibara, nimugereranye igice gisize ibara  
n'ibidasize.

### Igikorwa cya 3

Itegerezze, uvuge izina ry'igice cyakuwe mu kizima.

a)  ni... k'icunga ryose.

b)  ni... k'isabune yose.

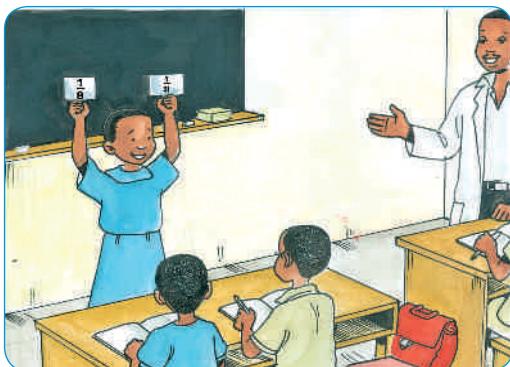
c)  ni... k'isabune yose.

## Nsobanukiwe ko:

- Icunga ryose n'isabune yose ari **ikizima**.
- Igice kimwe cya kane ( $\frac{1}{4}$ ) ni **umugabane**.
- $\frac{1}{4}$  (kimwe cya kane) k'ikintu ari cya kintu ugabanyamo ibice bine bingana.
- $\frac{1}{4}$  (kimwe cya kane) inshuro enye ari ikizima kimwe.

## Igikorwa cya 4

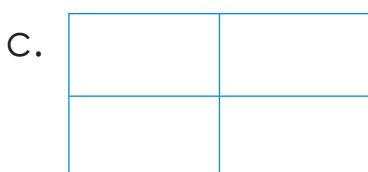
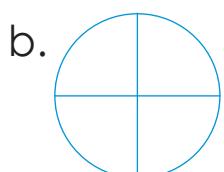
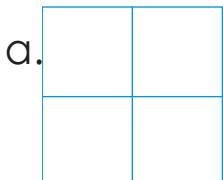
Itegereze, wigane uko bandika  $\frac{1}{4}$  ubyereke abandi.



(b) Gushushanya no gusiga ibara umugabane  $\frac{1}{4}$

## Igikorwa cya 5

Itegereze amashusho, usige ibara kimwe cya kane ( $\frac{1}{4}$ ) cya buri shusho.



## Igikorwa cya 6

Shushanya uruziga ku rupapuro, usige ibara kimwe cya kane ( $\frac{1}{4}$ ) cyarwo wereke bagenzi bawe.

### 3. Kimwe cya munani ( $\frac{1}{8}$ )

(a) Gusoma no kwandika umugabane  $\frac{1}{8}$

#### Igikorwa cya 1

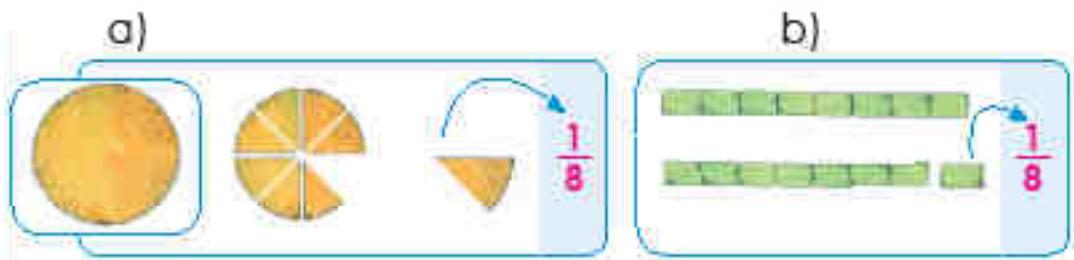
Mufate urupapuro muruhinemo ibice umunani bingana. Mubitandukanye mubyereke bagenzi banyu, muganire ku bice mubonye.

#### Igikorwa cya 2

Mufate urupapuro muruhinemo ibice umunani bingana, igice kimwe mugisige ibara. Nimurangiza mugereranye igice gisize ibara n'ibidasize.

#### Igikorwa cya 3

Itegereze, uvuge izina ry'igice cyakuwe mu kizima.



#### Nsobanukiwe ko:

- Icunga ryose n'igisheke cyose ari **ikizima**.
- Igice kimwe cya munani ( $\frac{1}{8}$ ) ni **umugabane**.
- $\frac{1}{8}$  (kimwe cya munani) k'ikintu kizima ari cya kintu ugabanyamo ibice umunani bingana.
- $\frac{1}{8}$  (kimwe cya munani) inshuro umunani ari ikizima kimwe.

## Igikorwa cya 4

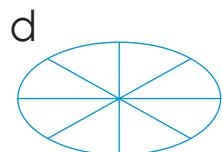
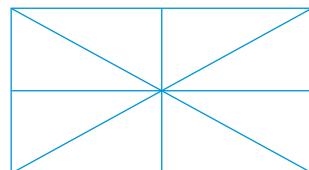
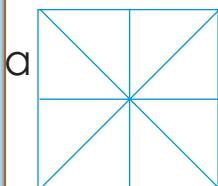
Itegereze wigane uko bandika  $\frac{1}{8}$ .



(b) Gushushanya no gusiga ibara umugabane  $\frac{1}{8}$

## Igikorwa cya 5

Mwitegereze, musige ibara kimwe cya munani ( $\frac{1}{8}$ ) cya buri shusho.



## Igikorwa cya 6

Shushanya uruziga ku rupapuro usige ibara kimwe cya munani ( $\frac{1}{8}$ ) cyarwo.

## 4. Ibice bigize umugabane Igikorwa

Itegereze umugabane ukurikira, uvuge ibice bigize umugabane:



### Nsobanukiwe ko:

Umubare wo hejuru bawita **ikibara** naho uwo hasi ukitwa **ikita**. Ikita n'ikibara bitandukanwa n'umurongo utambitse bita **umurongo w'umugabane**.

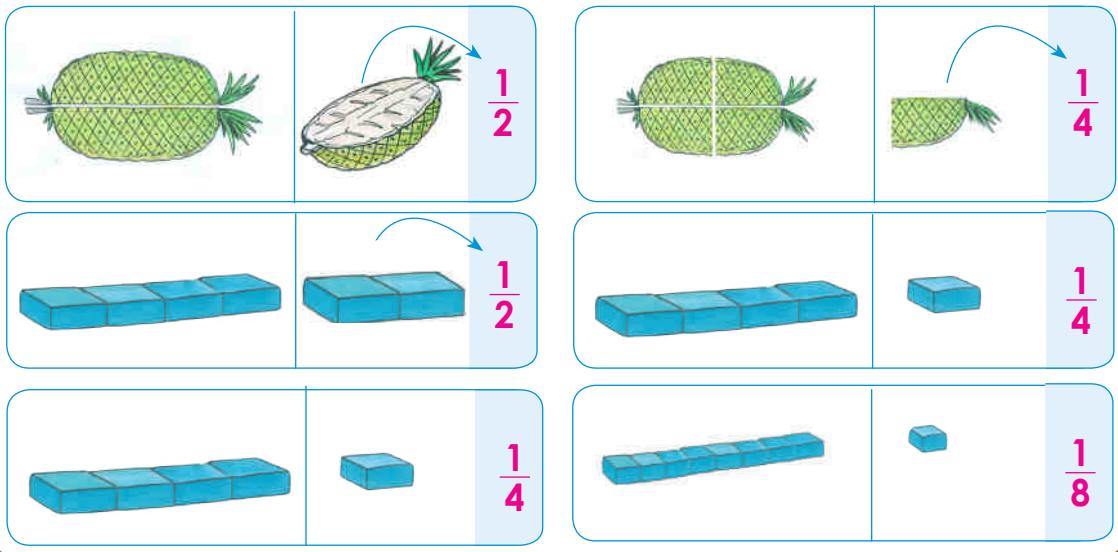
## 5. Kugereranya imigabane Igikorwa cya 1

Mwitegereze imigabane ikurikira maze mugereranye:

a)  $\frac{1}{2}$  na  $\frac{1}{4}$  k'inanasi

c)  $\frac{1}{4}$  na  $\frac{1}{8}$  k'isabune

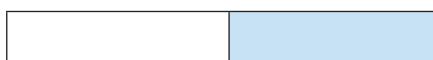
b)  $\frac{1}{2}$  na  $\frac{1}{4}$  k'isabune



## Igikorwa cya 2

Itegereze wandike imigabane yashushanyijwe maze uyigereranyeukoreshheje >,< na =

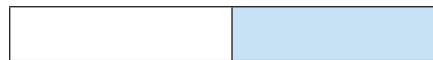
a)



b)



c)



## Igikorwa cya 3

Ukurikije urugero wahawé, gereranya imigabane ukoresheje >,< na =

**Urugero:**

a)  $\frac{1}{2} \boxed{>} \frac{1}{4}$       b)  $\frac{1}{2} \boxed{>} \frac{1}{8}$       c)  $\frac{1}{4} \boxed{<} \frac{1}{2}$       d)  $\frac{2}{2} \boxed{=} \frac{8}{8}$

a)  $\frac{1}{2} \boxed{\quad} \frac{2}{2}$

e)  $\frac{1}{8} \boxed{\quad} \frac{1}{2}$

i)  $\frac{8}{8} \boxed{\quad} \frac{4}{4}$

b)  $\frac{2}{2} \boxed{\quad} \frac{4}{4}$

f)  $\frac{1}{8} \boxed{\quad} \frac{1}{4}$

j)  $\frac{1}{4} \boxed{\quad} \frac{4}{4}$

c)  $\frac{1}{8} \boxed{\quad} \frac{1}{8}$

g)  $\frac{1}{4} \boxed{\quad} \frac{1}{8}$

k)  $\frac{2}{2} \boxed{\quad} \frac{1}{4}$

d)  $\frac{2}{2} \boxed{\quad} \frac{8}{8}$

h)  $\frac{1}{4} \boxed{\quad} \frac{1}{2}$

l)  $\frac{4}{4} \boxed{\quad} \frac{1}{8}$

## Nsobanukiwe ko:

Iyo bagereranya imigabane ihuje ikibara bagendera kuri aya mategeko:

- Umugabane munini uba ufite ikita gito.
- Umugabane muto uba ufite ikita kinini

## 6. Guhuza imigabane ugakora ikizima Igikorwa

Mwitegerezze ishusho maze namwe mukore ibisa na byo mwifashishiye ipapayi, icunga, inanasi, indimu, n'ibindi.



## 7. Akamaro k'imigabane Igikorwa

Mwitegerezze ishusho ikurikira maze musobanurire bagenzi banyu akamaro k'imigabane:

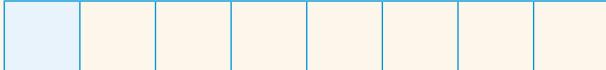
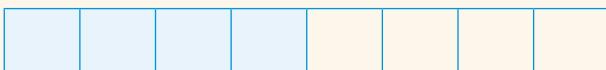
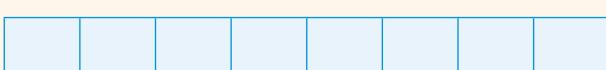


### Nsobanukiwe ko:

- Imigabane idufasha kugabana na bagenzi bacu tukaringaniza.

## ISUZUMA RISOZA UMUTWE WA 4

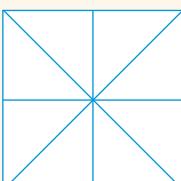
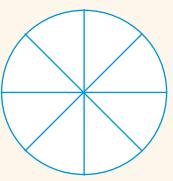
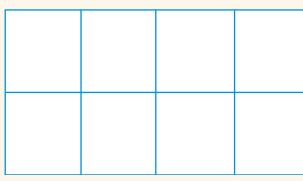
1. Andika mu mibare no mu magambo imigabane isize ibara

- a)  .....
- b)  .....
- c)  .....

2. Ca uruziga, gabanyamo imigabane maze usige ibara imigabane ikurikira:

- a)  $\frac{1}{2}$       b)  $\frac{1}{4}$       c)  $\frac{1}{8}$

3. Siga ibara  $\frac{1}{8}$  cy'aya mashusho

- a)  b)  c) 

4. Koresha >,< na = ugereranye iyi migabane

- |   |   |   |
|---|---|---|
| a) $\frac{1}{2}$ <input type="text"/> $\frac{8}{8}$ | e) $\frac{8}{8}$ <input type="text"/> $\frac{1}{8}$ | i) $\frac{1}{4}$ <input type="text"/> $\frac{4}{4}$ |
| b) $\frac{2}{2}$ <input type="text"/> $\frac{1}{4}$ | f) $\frac{4}{4}$ <input type="text"/> $\frac{1}{8}$ | j) $\frac{2}{2}$ <input type="text"/> $\frac{1}{8}$ |
| c) $\frac{1}{4}$ <input type="text"/> $\frac{1}{8}$ | g) $\frac{1}{4}$ <input type="text"/> $\frac{1}{2}$ | k) $\frac{1}{8}$ <input type="text"/> $\frac{1}{8}$ |
| d) $\frac{4}{4}$ <input type="text"/> $\frac{1}{2}$ | h) $\frac{1}{8}$ <input type="text"/> $\frac{2}{2}$ | l) $\frac{8}{8}$ <input type="text"/> $\frac{1}{4}$ |

## 5. Subiza yego cyangwa oya

- (a) Ikizima kimwe kingana na  $\frac{1}{4}$  k'ikintu inshuro enye.
- (b) Umubare wo hejuru ku mugabane witwa ikita.
- (c) Ikizima kimwe kingana na  $\frac{1}{8}$  k'ikintu inshuro umunani.
- (d) Umubare wo hasi ku mugabane witwa ikibara.
- (e) Ikizima kimwe kingana na  $\frac{1}{2}$  k'ikintu inshuro ebyiri.
- (f) Ikita n'ikibara bitandukanwa n'umurongo utambitse ugororotse bita umurongo w'umugabane.
- (g) Mutesi azanye  $\frac{1}{4}$  k'icunga nange nkazana ikindi  $\frac{1}{4}$  tukabihuza byombi ubwo byabyara ikizima.
- (h) Imigabane idufasha gusaranganya na bagenzi bacu ibyo dufite byose.
  - (i)  $\frac{1}{4}$  k'ikintu kiruta  $\frac{1}{2}$  cyacyo
  - (j)  $\frac{8}{8}$  Ni ikizima kimwe nka  $\frac{2}{2}$
  - (k)  $\frac{4}{4}$  ni ikizima kimwe nka  $\frac{8}{8}$
  - (l)  $\frac{1}{2}$  k'ikintu kiruta  $\frac{1}{8}$  cyacyo
  - (m)  $\frac{2}{2}$  ni ikizima kimwe nka  $\frac{4}{4}$
  - (n)  $\frac{1}{4}$  k'ikintu kiruta  $\frac{1}{8}$  cyacyo

# Ingero z'uburebure: m, dm, na cm

## 0. Imyitozo yo kwiyibutsa ingero Igikorwa cya 1

Muganire ku bintu mushobora gupima uburebure bwabyo, mukore urutonde rwabyo.

### Igikorwa cya 2

uzuza ukoreshheje ibimenyetso <, > na =

- |                                 |                                  |
|---------------------------------|----------------------------------|
| a) m 8 <input type="text"/> m 5 | d) m 4 <input type="text"/> m 7  |
| b) m 5 <input type="text"/> m 5 | e) m 9 <input type="text"/> m 10 |
| c) m 8 <input type="text"/> m 8 | f) m 7 <input type="text"/> m 7  |

### Igikorwa cya 3

Tondeka ingero z'uburebure zikurikira uhoreye ku ruto ujya ku runini.

- |               |               |               |
|---------------|---------------|---------------|
| a) m7, m5, m9 | c) m6, m1 m7  | e) m9, m8, m5 |
| b) m6, m3, m8 | d) m10,m2, m6 | f) m4, m7, m2 |

### Igikorwa cya 4

Teranya cyangwa ukuremo.

- |  |  |
|--|--|
| a) m 33 + m 21 = m <input type="text"/>  | e) m 85 – m 25 = m <input type="text"/>  |
| b) m 23 + m 42 = m <input type="text"/>  | f) m 41 – m 33 = m <input type="text"/>  |
| c) m 56 + m 31 = m <input type="text"/>  | g) m 35 + m 43 = m <input type="text"/>  |
| (d) m 86 – m 51 = m <input type="text"/> | (h) m 42 + m 51 = m <input type="text"/> |

## Igikorwa cya 5

### Amahurizo

1. Ikibaho cyo mu ishuri ryacu gifite m 8 z'uburebure naho icyo mu ishuri rya barumuna bacu gifite m 6. Vuga igiteranyo cy'uburebure bw'ibyo bibaho byombi.
2. Kaneza afite umurima wa karoti ufile m 20 z'uburebure, Mitari afite upima m 18. Shaka uburebure bw'iyo mirima yombi.
3. Mariza yaguze m 14 z'umwenda ku wa mbere, kuwa kabiri agura m 13. Ku wa gatatu agura m 12. Shaka igiteranyo cy'uburebure bw'umwenda yaguze.
4. Mayira yaguze umugozi wa m 10 naho murumuna we agura umugozi wa dm 19, Vuga uburebure bw'umugozi bombi bafite.
5. Nshuti yaboshye umusambi wa dm 20 naho murumuna we aboha uwa dm 17. Ubwo amurusha metero zingahe?
6. Naboshye umugozi ureshya na m 72, nkataho m 12 bazizirikisha igitoki cyari kigiye kugwa. Nasigaranye umugozi ureshya na metero zingahe?
7. Munezero afite urubaho rwa m 12 naho murumuna we kagabo akagira urupima m 8. Ubwo izo mbaho zombi zireshya na m zingahe?

# 1. Gupima uburebure ukoresheje imetero

## Igikorwa

Mwitegerezze amashusho, maze mukore ibikorwa bikurikira:

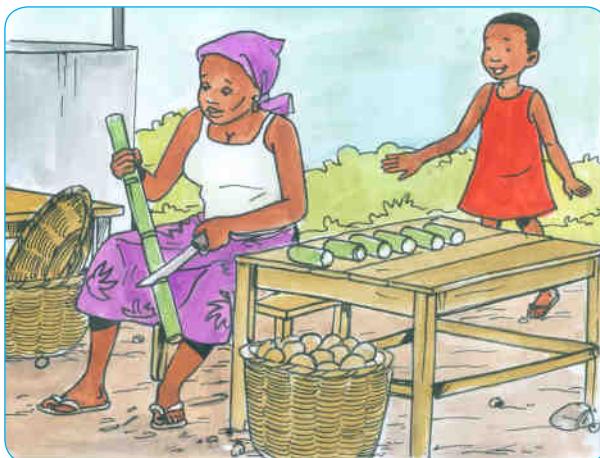


1. Mukoreshe imetero mupime:
  - (a) Uburebure bw'intebe mwandikiraho.
  - (b) Uburebure bw'ameza ya mwarimu.
2. Mukoreshe imetero mupime:
  - (a) Ubutambike bw'akabati k'ibitabo ka mwarimu.
  - (b) Ubutambike bw'ikibaho mwandikaho.
3. Mukoreshe imetero mupime:  
Umuzenguruko w'ishuri mwigamo.
4. Mukoreshe imetero mupime:
  - (a) Ubutambike bw'urugi rw'ishuri ryanyu.
  - (b) Uburebure bw'inkuta ebyiri zikurikiranye.
5. Mukoreshe agacamurongo mupime uburebure bw'amakayi yanyu n'ubw'ibitabo by'imibare.

## 2. Guca metero mo ibice 10 bingana

### Igikorwa

Mwitegerezre ishusho, maze mukore ibikorwa bikurikira mugendeye ku rugero mwahawwe:



1. Mufate igisheke gipima metero imwe mugicemo uduce icumi (10) tungana.
2. Mufate umugozi upima metero imwe muwucemo uduce icumi (10) tungana.
3. Mufate urudodo rupima metero imwe murucemo uduce icumi (10) tungana .
4. Mufate igitambaro badodamo imyenda (ijyora) gipima metero imwe mugicemo uduce icumi (10) tungana.

### Nsobanukiwe ko:

Metero 1 (m1) ivamo uduce 10 tungana buri gace gapima desimetero1 (dm1). Metero 1 ingana na desimetero 10. **m1= dm 10**

### 3. Guca desimetero mo ibice 10 bingana Igikorwa

Mwitegerezze ishusho mukore  
ibikorwa bikurikira mugendeye ku rugero mwahawe



1. Mufate umugozi upima desimetero imwe maze muwucemo uduce icumi (10 )tungana.
2. Mufate agati kumye gapima desimetero imwe maze mugacemo uduce icumi (10)tungana.

#### Nsobanukiwe ko:

- Desimetero 1 (dm1) ivamo uduce 10 tungana buri gace gapima santimetero 1 (cm 1).
- m1 uyigabanyamo uduce 10 tungana. Buri gace gapima dm1. **m1 = dm10**
- m1 uyigabanyamo uduce 100. Buri gace gapima cm1. **m1= cm100**
- dm1 uyigabanyamo uduce 10 tungana. Buri gace gapima cm1. **1dm = 10 cm**

**Ingero z'uburebure zirutana inshuro 10**

$$m1 = dm10 \quad 1dm = 10 \text{ cm}$$

## 4. Guhindura ingero z'uburebure

### Igikorwa

Mwitegerezze imbonerahamwe yo guhindura ingero z'uburebure maze muyigane mukore imyitozo.

#### Urugero:

Metero (m)	Desimetero (dm)	Santimetro (cm)
1	0	
1	0	0
	1	0
1	0	
1	0	0

$$m_1 = dm_{10}$$

$$dm_{10} = m_1$$

a)  $m_1 = dm$

b)  $dm_3 = cm$

c)  $dm_5 = cm$

d)  $dm_{27} = cm$

e)  $dm_{90} = m$

$$m_1 = cm_{100}$$

$$cm_{100} = m_1$$

f)  $dm_2 = cm$

g)  $m_4 = dm$

h)  $m_6 = dm$

i)  $cm_{80} = dm$

j)  $dm_7 = cm$

#### Nsobanukiwe ko:

- lyo uhindura ingero z'uburebure ubanza gukora imbonerahamwe yo guhindura ukandikamo imibare wahawe.
- lyo uva ku rugero runini ujya ku ruto wongeraho zero(0).
- lyo uva ku ruto ujya ku runini ugakuraho zero (0).



## Reka mpindure mu rugero bambajije



- a)  $m\ 6 = cm \dots$       c)  $dm\ 75 = cm \dots$   
b)  $dm\ 40 = m \dots$       d)  $cm\ 990 = dm \dots$

## 5. Kugereranya ingero z'uburebure

### Igikorwa

Hindura ingero z'uburebure mu rugero ruto,  
ugereranye ukoreshheje >, < na =

#### Urugero:

$$m^2 = dm \ 20$$

m	dm	cm
2	0	

#### Urugero:

- a)  $m\ 2 = dm\ 20$       f)  $cm\ 150 = dm\ 15$   
b)  $cm\ 90 = dm\ 9$       g)  $cm\ 400 = m\ 4$   
c)  $cm\ 54 = dm\ 54$       h)  $cm\ 100 = dm\ 10$   
d)  $m\ 15 = dm\ 150$       i)  $dm\ 13 = cm\ 130$   
e)  $dm\ 14 = m\ 10$       j)  $cm\ 975 = m\ 9$

### Nsobanukiwe ko:

- lyo ugereranya ingero z'uburebure, ubanza kuzihindura mu rugero ruto, hanyuma ukagereranya imibare ugashyiramo ikimenyetso cyo kugereranya ( <, >, = ).

## 6. Gupima uburebure bw'ahantu hatandukanye

### Igikorwa

Mukore ibikorwa bikurikira mwerekane uko mwabikoze n'igisubizo byatanze:

1. Mukoreshe imetero mupime umuzenguruko w'ishuri mwigiramo.
2. Mukoreshe imetero mupime uburebure bwa m 10 mu kibuga.
3. Mukoreshe imetero mupime umuzenguruko w'ubusitani
4. Mukoreshe akagozi gapima metero 10 maze mupime uburebure bw'ikibuga cy'umupira w'amaguru.

## 7. Gutondeka ingero z'uburebure

### Igikorwa cya 1

Mutondeke ingero z'uburebure muhereye ku rugero ruto mujya ku runini mukurikije urugero mwahawe.

#### Urugero:

**dm42, cm 208, m8**  
→ **cm208, dm42,**  
**m8,**

m	dm	cm
4	2	0
2	0	8
8	0	0

- a) dm 45, m 7, cm 350      e) cm 125, dm 45, m 9  
 b) dm 79, m 130, m 4      f) cm 76, m 4, cm 576  
 c) 345 cm, m 8, dm 65      g) cm 127, dm 45, m 9  
 d) m 7, cm 985, dm 75      h) dm 65, m 9, cm 456

### Igikorwa cya 2

Tondeka ingero z'uburebure uhereye ku rugero runini ujya ku ruto ukurikije urugero wahawe.

#### Urugero:

**m 4, dm 72, cm 829**  
 → **cm 829, dm 72, m 4**

	m	dm	cm
4	0	0	
7	2	0	
8	2	9	

- a) cm 245, m 7, dm 35      e) cm 5, dm 54, cm 915  
 b) cm 79, m 3, dm 49      f) cm 768, dm 49, m 5  
 c) dm 45, cm 814, m 6      g) dm 27, cm 458, m 9  
 d) dm 78, cm 895, m 7      h) dm 69, dm 978, 6 m

#### Nsobanukiwe ko:

- Iyo utondeka ingero z'uburebure ubanza guhindura ingero zose wahawe mu rugero ruto.
- Utondeka uva ku rugero ruto ujya ku runini cyangwa uva ku runini ujya ku ruto.

## 8. Guteranya ingero z'uburebure

### Igikorwa

Hindura mu rugero wabajijwe mbere yo guteranya, ukurikije urugero wahawe.

### Urugero:

$$m\ 8 + cm\ 60 = dm\ 86$$

m	dm	cm
8	0	
+	↓	6
8	6	

- a)  $cm\ 100 + cm\ 77 = m$   e)  $dm\ 56 + cm\ 440 = cm$
- b)  $dm\ 15 + cm\ 500 = dm$   f)  $m\ 7 + dm\ 300 = m$
- c)  $cm\ 45 + dm\ 15 = cm$   g)  $dm\ 60 + cm\ 200 = m$
- d)  $dm\ 23 + cm\ 170 = dm$   h)  $dm\ 55 + cm\ 8 = cm$

### Nsobanukiwe ko:

Iyo uteranya ingero z'uburebure ubanza guhindura ingero zose wahawe mu rugero wabajijwe ugateranya.

## 9. Gukuramo ingero z'uburebure

### Igikorwa

Hindura mu rugero wabajijwe mbere yo gukuramo ukurikije urugero wahawe.

### Urugero:

$$dm\ 47 - m\ 3 = cm\ 170$$

m	dm	cm
4	7	0
-	3	0
1	7	0

- |                        |                          |                        |                          |
|------------------------|--------------------------|------------------------|--------------------------|
| a) cm 123 – cm 77 = cm | <input type="checkbox"/> | g) dm 56 – cm 440 = cm | <input type="checkbox"/> |
| b) cm 500 – dm 15 = dm | <input type="checkbox"/> | h) m 7 – dm 30 = dm    | <input type="checkbox"/> |
| c) m 4 – dm 15 = cm    | <input type="checkbox"/> | i) dm 67 – cm 130 = dm | <input type="checkbox"/> |
| d) dm 23 – cm 170 = dm | <input type="checkbox"/> | j) dm 55 – cm 88 = cm  | <input type="checkbox"/> |
| e) cm 120 – cm 70 = dm | <input type="checkbox"/> | k) dm 70 – cm 200 = m  | <input type="checkbox"/> |
| f) cm 600 – dm 50 = m  | <input type="checkbox"/> | l) cm 600 – cm 300 = m | <input type="checkbox"/> |

### Nsobanukiwe ko:

Iyo ukuramo ingero z'uburebure ubanza guhindura ingero zose wahawe mu rugero wabajijwe, ugakuramo.

## 10. Gukuba ingero z'uburebure n'umubare ushyitse

### Igikorwa

Kuba nyuma uhindure mu rugero wabajijwe.

### Urugero:

$$\text{cm } 140 = \text{dm } 14$$

$$\text{cm } 70 \times 2 = \text{dm } 140$$

$$\text{cm } 70 \times 2 = \text{cm } 140$$

m	dm	cm
	7	0
x		2
1	4	0

- |                   |                          |                    |                          |
|-------------------|--------------------------|--------------------|--------------------------|
| a) cm 71 × 4 = cm | <input type="checkbox"/> | g) cm 124 × 2 = dm | <input type="checkbox"/> |
| b) cm 24 × 2 = cm | <input type="checkbox"/> | h) m 8 × 4 = dm    | <input type="checkbox"/> |
| c) m 43 × 2 = dm  | <input type="checkbox"/> | i) dm 30 × 5 = m   | <input type="checkbox"/> |
| d) cm 90 × 5 = dm | <input type="checkbox"/> | j) dm 22 × 4 = cm  | <input type="checkbox"/> |
| e) cm 51 × 6 = cm | <input type="checkbox"/> | k) cm 60 × 6 = dm  | <input type="checkbox"/> |
| f) dm 11 × 3 = dm | <input type="checkbox"/> | l) cm 14 × 2 = cm  | <input type="checkbox"/> |

## Nsobanukiwe ko:

Iyo ukuba ingero z'uburebure n'umubare ushyitse ubanza gukuba ingero wahawe igisubizo ubonye ukagihindura mu rugero wabajijwe.

## 11. Kugabanya ingero z'uburebure n'umubare ushyitse

### Igikorwa

Gabanya wandike igisubizo ukurikije urugero wahawe.

**Urugero:** cm 960 : 3 = dm....

cm 960 : 3 = cm 320

**cm 320 = dm** 32

**cm 960 : 3 = dm 32**

$$\begin{array}{r} 960 \\ \underline{- 9} \quad | \quad 3 \\ \hline 060 \quad | \\ \underline{- 6} \quad | \\ \hline 00 \\ \underline{- 0} \quad | \\ \hline 0 \end{array}$$

a) dm 480 : 4 = dm

g) cm 36 : 6 = cm

b) cm 126 : 3 = cm

h) cm 25 : 5 = cm

c) cm 240 : 2 = cm

i) cm 20 : 5 = cm

d) dm 720 : 3 = m

j) dm 672 : 6 = dm

e) cm 486 : 2 = cm

k) cm 364 : 4 = cm

f) dm 128 : 2 = dm

l) m 864 : 2 = m

## Nsobanukiwe ko:

Iyo ugabanya ingero z'uburebure n'umubare ushyitse ubanza kugabanya ingero wahawe icyo ubonye ukagihindura mu rugero wabajijwe.

## 12. Amahurizo ku ngero z'uburebure



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero:

Kuva mu ishuri ryacu ujya ku biro by'umuyobozi w'ikigo hari dm 45. Naho kuva ku biro by'umuyobozi w'ikigo ujya ku kibuga cy'umupira hari dm 55. Shaka uburebure buri hagati y'ishuri ryacu n'ikibuga

### Igisubizo

**Hagati y'ishuri n'ikibuga hari  
dm 45 + dm 55 = m10**

**Hagati y'ishuri n'ikibuga hari m10**

m	dm	cm
+ 4	5	
5	5	
1	0	0

- Umwaka ushize nateye igiti gifite dm 50, z'uburebure ubu gifite dm 80 ubwo kimaze kwiyongeraho dm zingahe?
- Umubaji yaguze urubaho rwa cm 100 arucamo uduce 5 tungana. Buri gace kareshya gate?
- Gatari yaguze ikizingo cy'umugozi ureshya na m 60 arashaka gucamo uduce 3. Shaka uburebure bwa buri gace muri dm.
- Gatera yahinze amashu mu murima upima m 89 z'uburebure. Naho Munezero yayahinze mu murima ufite m 97.
  - Ni nde wahnze amashu mu murima muremure?
  - Yamurushije guhinga m zingahe?
- Kuva mu rugo ujya ku ishuri hari dm 420. Ubwo kuva mu rugo ujya ku ishuri nkoresha m zingahe?

## 13. Akamaro k'ingero z'uburebure

### Igikorwa cya 1

Muganire ku bikorwa birimo gukorwa n'ibikoresho biri gukoreshwa.



### Nsobanukiwe ko:

- Ingero z'uburebure zikoreshwa iyo bapima uburebure bw'ibantu bitandukanye nk'ikibanza, umurima, umuhanda, inzu n'ibindi.
- Iyo upima uburebure ukoresha **imetero, metero bushumi** cyangwa **metero buhine**.

### Igikorwa cya 2

Muganire ku kamaro k'ingero z'uburebure mu buzima bwa buri munsi.

### Igikorwa cya 3

Muganire ku hantu h'ingenzi ingero z'uburebure zikoreshwa.

## ISUZUMA RISOZA UMUTWE WA 5

### 1. Subiza yego cyangwa oya

- (a) Uburebure bw'ameza nigiraho ni cm 100.
- (b) Metero ni rwo rugero fatizo mu ngero z'uburebure.
- (c) Iyo dupima uburebure bw'umwenda dukoresha metero bushumi.
- (d) Ingero z'uburebure zidufasha kumenya uburebure bw'ibintu.
- (e) Iyo mpima uburebure bw'ikayi nigiramo nkoresha imetero.
- (f) Ingero z'uburebure zirutanwa inshuro icumi.

### 2. Koresha imbonerahamwe uhindure izi ngero:

- (a) m 7 = dm....
- (b) cm 850 = dm.....
- (c) 5 m = dm.....
- (d) cm 600 = dm....
- (e) dm 70 = m.....
- (f) cm 900 = dm....
- (g) dm 9 = cm....
- (h) dm 78 = cm....
- (i) cm 450 = dm....
- (j) m 9 = dm...

### 3. Koresha <, > na = ugereranye izi ngero:

- (a) m 6 dm 8 cm 5  cm 685
- (b) m 9 dm 8  cm 980
- (c) cm 650  dm 75
- (d) dm 65  cm 75
- (e) cm 689  m 7
- (f) m 9  cm 678

4. Tondeka uhereye ku rugero ruto ujya ku runini  
m 9, dm 75, m 8, dm 85

5. Tondeka uhereye ku rugero runini ujya ku ruto  
cm 756, dm 87, cm 967, dm 68

6. Kora:

- (a)  $m 6 + dm 9 = cm$
- (b)  $cm 500 + d m 80 = m$
- (c)  $cm 987 - m 9 dm 8 = cm$
- (d)  $m 9 cm 7 - m 9 cm 7 = dm$
- (e)  $m 848 : 4 = m$
- (f)  $dm 750 : 5 = m$
- (g)  $cm 90 \times 5 = dm$
- (h)  $cm 72 \times 4 = cm$

## 7. Amahurizo

- (a) Gisa agenda m 45 agiye gusura umuturanyi we. Shaka umubare w'intera agenda muri dm ajyayo anavayo.
- (b) Keza yaguze igitambaro kireshya na m 79 agurishaho dm 70. Ubwo yasigaranye ihema igitambaro kireshya na santimetro zingahe?
- (c) Mucuruzi yaguze umwenda ureshya na m 75 awukatamo ibitambaro bifite metero 5 kimwe kimwe. Shaka umubare w'ibitambaro yawukuyemo.
- (d) Mu irushanwa ryo gusiganwa kwiruka, Gwiza yagenze m 100 inshuro 6. Ubwo yirukanse m zingahe zose hamwe?

# Urugero fatizo rw'ingero z'ibitembabuzi “litiro”

## 1. Urugero fatizo rw'ingero z'ibitembabuzi litiro (l)

### Igikorwa

Mwitegerezé amashusho, muvuge izina ry'ibintu biri mu macupa n'utujerekani n'ingano yabyo



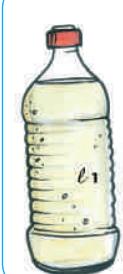
Amazi l1



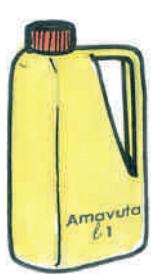
Amata l1



Peterori l2



Umutobe l1



Amavuta l1



Umuti l1

## 2. Gupima ibitembabuzi

### Igikorwa cya 1

Mwitegerezé amashusho maze mukore nk'ibiri gukorwa.



## Igikorwa cya 2

Mwifashishe amacupa (utujerekani) apima  $\ell 5$  mubyuzuzemo amazi muyashyire mu macupa (utujerekani) ya  $\ell 1$  hanyuma muvuge umubare w'amacupa ya  $\ell 1$  uvuye muri  $\ell 5$ .

## Igikorwa cya 3

Mufate akajerikani gatwara  $\ell 2$ , mukuzuzemo amazi mukoreshsheje icupa rya  $\ell 1$ . Nimuvuge umubare w'amacupa mwasutsemo. Mubikore mutyo no ku kajerikani gatwara  $\ell 5$  n'aka  $\ell 10$ .

## 3. Kugreranya ibitwarwamo ibitembabuzi

### Igikorwa cya 1

Mufate utujerekani, amacupa, amajagi n'ibikombe. Mushyire hamwe ibihuje itwara maze musobanurire bagenzi banyu itwara ryabyo n'impamvu mwabivanguye.

Mugreranye mukoresha <, >, =

### Igikorwa cya 2

- |   |   |
|---|---|
| a) $\ell 15$ <input type="text"/> $\ell 24$   | f) $\ell 225$ <input type="text"/> $\ell 175$ |
| b) $\ell 32$ <input type="text"/> $\ell 712$  | g) $\ell 167$ <input type="text"/> $\ell 256$ |
| c) $\ell 345$ <input type="text"/> $\ell 453$ | h) $\ell 791$ <input type="text"/> $\ell 719$ |
| d) $\ell 750$ <input type="text"/> $\ell 697$ | i) $\ell 405$ <input type="text"/> $\ell 405$ |
| e) $\ell 315$ <input type="text"/> $\ell 351$ | j) $\ell 819$ <input type="text"/> $\ell 891$ |

### Igikorwa cya 3

Tondeka uva ku rugero ruto ujya ku runini

- a)  $\ell 15, \ell 20, \ell 12, \ell 10$
- b)  $\ell 12, \ell 2, \ell 18, \ell 5$
- c)  $\ell 13, \ell 20, \ell 7, \ell 15$
- d)  $\ell 24, \ell 5, \ell 20, \ell 8$
- e)  $\ell 22, \ell 10, \ell 25, \ell 6$
- f)  $\ell 23, \ell 15, \ell 7, \ell 6$

### Igikorwa cya 4

Tondeka uva ku rugero runini ujya ku ruto.

- a)  $\ell 51, \ell 20, \ell 21, \ell 12$
- b)  $\ell 21, \ell 28, \ell 81, \ell 52$
- c)  $\ell 31, \ell 20, \ell 75, \ell 15$
- d)  $\ell 42, \ell 25, \ell 20, \ell 68$
- e)  $\ell 22, \ell 30, \ell 52, \ell 65$
- f)  $\ell 32, \ell 15, \ell 72, \ell 36$

## 4. Guteranya ingero z'ibitembabuzi muri litiro

### Igikorwa 1

Mukore imyitozo ikurikira mukurikije urugero

**Urugero:**

$$\begin{aligned}\ell 172 + \ell 124 &= \\ \ell 152 + \ell 38 &= \\ \ell 172 + \ell 38 &= \boxed{\ell 210}\end{aligned}$$

$$\begin{array}{r} \ell 172 \\ + \ell 124 \\ \hline \ell 296 \end{array} \quad \begin{array}{r} \ell 152 \\ + \ell 38 \\ \hline \ell 190 \end{array} \quad \begin{array}{r} \ell 172 \\ + \ell 38 \\ \hline \ell 210 \end{array}$$

- a)  $\ell 18 + \ell 12 = \ell$
- b)  $\ell 33 + \ell 28 = \ell$
- c)  $\ell 281 + \ell 169 = \ell$
- d)  $\ell 615 + \ell 204 = \ell$
- e)  $\ell 186 + \ell 512 = \ell$
- f)  $\ell 37 + \ell 63 = \ell$
- g)  $\ell 176 + \ell 78 = \ell$
- h)  $\ell 342 + \ell 58 = \ell$
- i)  $\ell 475 + \ell 215 = \ell$
- j)  $\ell 317 + \ell 623 = \ell$

## 5. Amahurizo yo guteranya ingero z'ibitembabuzi muri litiro



Reka dukore amahurizo  
dukurikije urugero twahawe



### Urugero:

Mu rugo dufite ibigega bibiri by'amazi. Kimwe kijyamo  $\ell$  213 z'amazi ikindi kikajyamo  $\ell$  378. Shaka itwara ry'ibyo bigega byombi.

$\ell 213$

$+ \ell 378$

$\hline \ell 591$

### Igisubizo:

**Byombi bitwara  $\ell 213 + \ell 378 = \ell 591$**

**Byombi bitwara  $\ell 591$**

1. Mvomesha ikivomesho gitwara  $\ell 15$  naho mukuru wange avomesha igitwara  $\ell 24$ . Twese hamwe tuvoma  $\ell$  zingahe?
2. Twashigishe  $\ell 300$  z'ubushera bwo kwakira abashyitsi mu bukwe, abaturanyi bacu badutwerera  $\ell 175$  z'ubushera. Ubwo twagize  $\ell$  zingahe zose hamwe?
3. Mutabazi afite imashini itanga umuriro. Mu gitondo ashyiramo  $\ell 195$  z'amavuta na  $\ell 205$  ku mugoroba. Ubwo ku munsi ashyiramo  $\ell$  zingahe?

## 6. Gukuramo ingero z'ibitembabuzi

### Igikorwa

Mukore imyitozo ikurikira mukurikije urugero mwahawe.

### Urugero:

$$\begin{array}{r} \ell 723 - \ell 312 = \\ \ell 423 - \ell 309 = \end{array}$$

$\ell 411$

$\ell 114$

$\ell 723$

$$\begin{array}{r} - \ell 312 \\ \hline \ell 411 \end{array}$$

$\ell 423$

$$\begin{array}{r} - \ell 309 \\ \hline \ell 114 \end{array}$$

- |  |  |
|--|--|
| a) $\ell 45 - \ell 29 = \ell$ <input type="text"/>   | d) $\ell 678 - \ell 178 = \ell$ <input type="text"/> |
| b) $\ell 112 - \ell 89 = \ell$ <input type="text"/>  | e) $\ell 975 - \ell 485 = \ell$ <input type="text"/> |
| c) $\ell 234 - \ell 197 = \ell$ <input type="text"/> | f) $\ell 125 - \ell 95 = \ell$ <input type="text"/>  |

## 7. Amahurizo yo gukuramo no guteranya ingero z'ibitembabuzi



**Reka dukore amahurizo  
dukurikije urugero twahawe**



### Urugero:

Mu ngunguru irimo  $\ell 225$  z'amazi twavanyemo  $\ell 75$ .  
Ubwo iyo ngunguru yasigayemo  $\ell$  zingahe?

**Igisubizo:** Ingunguru yasigayemo  $\ell 225 - \ell 75 = \ell 150$   
Yasigayemo  $\ell 150$

1. Twaretse  $\ell 225$  z'amazi y'imvura. Bukeye tuyameshesha imyenda hasigara  $\ell 24$ . Twamesheje  $\ell$  zingahe?
2. Umucuruzi yaranguye  $\ell 100$  z'amavuta agurisha  $\ell 35$  akiva kurangura. Yasigaranye  $\ell$  zingahe?

## 8. Gukuba ingero z'ibitembabuzi n'umubare ushyitse

### Igikorwa cya 1

Mukore imyitozo ikurikira muhereye ku rugero

### Urugero:

$$\ell 72 \times 4 = \ell 288$$

$$\begin{array}{r}
 \ell 72 \\
 \times 4 \\
 \hline
 \ell 288
 \end{array}$$

a)  $\ell 24 \times 2 = \ell$

c)  $\ell 31 \times 6 = \ell$

b)  $\ell 32 \times 4 = \ell$

d)  $\ell 74 \times 2 = \ell$

## 9. Amahurizo yo gukuba ingero z'ibitembabuzi



Reka dukore mu  
matsinda



### Urugero:

Butera avoma utujerikani 4 tw'amazi buri munsi.  
Niba buri kajerikani gatwara ₩10, ubwo Butera  
avoma ₩ zingahe ku munsi?

$$\begin{array}{r} ₩10 \\ \times \quad 4 \\ \hline ₩40 \end{array}$$

### Igisubizo:

**Butera avoma** ₩  $10 \times 4 = ₩ 40$

Butera avoma ₩ 40 z'amazi buri munsi

1. Ku munsi dukenera ₩ 61 z'amazi dukora isuku  
Ubwo dukenera ₩ zingahe mu minsi itanu?
2. Umuturanyi yagabanyije ku buryo bungana ₩  
72 z'amavuta imiryango 3. Ubwo buri muryango  
wahawe ₩ zingahe ?

## 10. Kugabanya ingero z'ibitembabuzi n'umubare ushyitse

### Igikorwa

Mukore imyitozo ikurikira mwifashishije urugero rwatanzwe

### Urugero:

$$₺255 \div 5 = ₪ 51$$

$$\begin{array}{r} ₪ 255 \\ - \quad 25 \\ \hline 005 \\ - \quad 5 \\ \hline 0 \end{array} \qquad \boxed{5}$$

₺ 51

a)  $\ell 68 \div 2 = \ell$

b)  $\ell 188 \div 2 = \ell$

c)  $\ell 159 \div 3 = \ell$

d)  $\ell 324 \div 6 = \ell$

## 11. Amahurizo yo kugabanya ingero z'ibitembabuzi n'umubare ushyitse



**Reka dukore amahurizo  
dukurikije urugero twahawe**



### Urugero:

Dushime afite ijjerikani yuzuye  $\ell 20$  z'amazi. Shaka umubare w'utujerikani twa  $\ell 5$  azasukamo ayo mazi ngo bagenzi be bamutwaze.

### Igisubizo:

Umubare w'utujerikani =  $\ell 20 : \ell 5 = 4$

Amazi azayasuka mu tujerikani 4

1. Abana 5 bahuje isabukuru yabo y'amavuko maze ababyeyi babo babagurira  $\ell 50$  z'umutobe, ngo bazigabane banganye bityo buri wese azimanire abo yatumiye. Buri mwana yabonye  $\ell$  zingahe?
2. Gabanya ku buryo bungana  $\ell 186$  z'amata abacuruzi 6. Buri mucuruzi azahabwa  $\ell$  zingahe?
3. Mugabo afite  $\ell 155$  za maztu ashaka gushyira mu modoka 5 ku buryo bungana. Shaka umubare wa  $\ell$  azashyira muri buri modoka.

## 12. Akamaro k'ingero z'ibitembabuzi

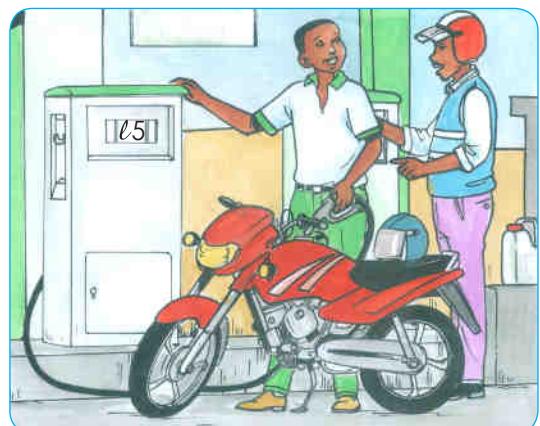
### Igikorwa cya 1

Mwitegereze amashusho muvuge ahantu litiro ikoreshwa mu buzima bwa buri munsi.

a



b



### Igikorwa cya 2

Muganire ku kamaro ko gukoresha litiro mu gupima ibitembabuzi.

### Igikorwa cya 3

Muganire bimwe mu bikoresho mukoresha mu rugo iwanyu. Buri wese avuge izina ry'igikoresho na litiro gitwara n'icyo gikoreshwa.

#### Nsobanukiwe ko:

- **Litiro ari urugero fatizo rw'ingero z'ibitembabuzi**
- **Litiro** ikoreshwa bapima ibitembabuzi nk'amata, amazi, amavuta, umutobe, peterori.

## Isuzuma risoza umutwe wa 6

### 1. Subiza yego cyangwa oya

- (a) Litiro ni urugero fatizo mu ngero z'ibitembabuzi
- (b) Iyo upima uburebure bw'umurima ukoresha litiro
- (c) Litiro ikoreshwa iyo upima ibisukika nk'amazi

### 2. Koresha <, > na = ugereranye

- (a)  $\ell 586 \square \ell 856$
- (c)  $\ell 287 \square \ell 287$
- (b)  $\ell 549 \square \ell 478$
- (d)  $\ell 918 \square \ell 908$

### 3. Tondeka uhoreye ku bike ujya ku byinshi $\ell 785, \ell 758, \ell 857, \ell 875, \ell 578, \ell 587$

### 4. Tondeka uhoreye ku byinshi ujya ku bike $\ell 908, \ell 890, \ell 980, \ell 809$

### 5. Shaka igisubizo

- (a)  $\ell 548 + \ell 387 = \ell$
- (c)  $\ell 978 - \ell 789 = \ell$
- (b)  $\ell 81 \times 5 = \ell$
- (d)  $\ell 720 : 4 = \ell$

### 6. Amahurizo

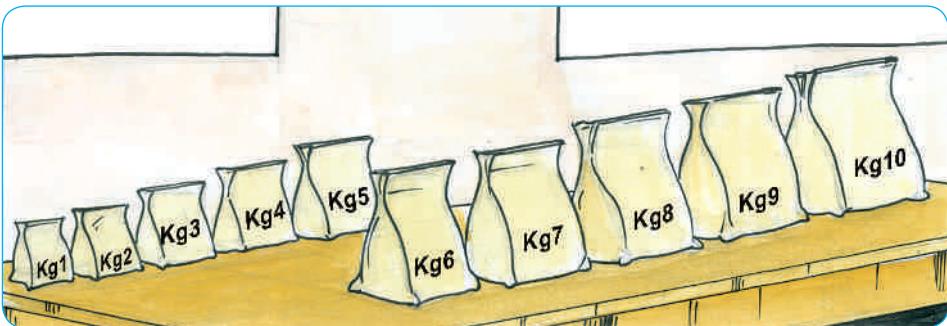
- (a) Mu ngunguru harimo  $\ell 975$  z'amazi nimeshesha  $\ell 789$ , hazasigara litiro zingahe?
- (b) Karabo afite  $\ell 20$  za peterori arashaka kuzigabanyiriza mu tujerikani twa  $\ell 5$  kamwe kamwe. Ubwo azazishyira mu tujerikani tungahe?
- (c) Ikigega cy'amazi cyuzuzwa n'ingunguru 6. Shaka umubare wa  $\ell$  zijya muri icyo kigega niba buri ngunguru ijyamo  $\ell 91$ .

# Urugero fatizo mu ngero z'uburemere “kg”

## 1. Urugero fatizo mu ngero z'uburemere (kg)

### Igikorwa

Mwitegerezé muvuge ibyo mubona ku mashusho n'igipimo cyabyo.



### Nsobanukiwe ko:

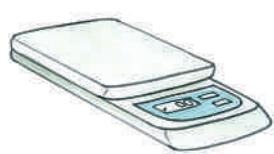
Kg ari rwo rugero bapimamo uburemere bw'ibantu bitandukanye.

## 2. Amoko atandukanye y'iminzani

### Igikorwa

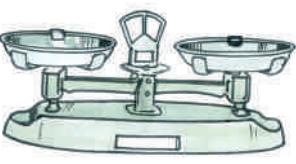
Mwitegerezé amashusho y'iminzani ikurikira, muvuge ubwoko mukunze kubona mu iduka no mu isoko:

a.



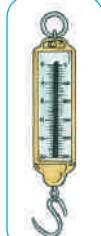
umunzani  
w'isaha

b.



umunzani  
w'amabuye

c.



umunzani  
wa gakwege

d.



umunzani  
w'amabuye

## Nsobanukiwe ko:

Iyo upima **uburemere** bw'ibantu ukoresha **umunzani**. Hari amoko menshi y'iminzani akoreshwa. Ariko imenyerewe ni umunzani wa **gakwege**, **umunzani w'amabuye n'umunzani w'isaha**.

### 3. Gupima uburemere muri kg

#### Igikorwa cya 1

Muterure ibantu bitandukanye buri wese agenekereze avuge ibiro ibyo bintu byapima.



#### Igikorwa cya 2

Mwitegerezze ishusho, muvuge ibirimo gukorwa namwe mubikore.



## Igikorwa cya 3

Mwitegerezze amashusho, muvuge ibirimo gukorwa.

a.



b.



c.



d.



e.



f.



## Igikorwa cya 4

Mwifashishije umunzani, mupime ibintu bifite uburemere butarengeje kg 10. Hanyuma muge mwandika uburemere bwa buri kintu mwapimye.

## 4. Akamaro ka kilogarama (kg)

### Igikorwa cya 1

Mwitegerezze amashusho, muvuge ahantu bapima uburemere bakoresheje umunzani.



### Igikorwa cya 2

Muvuge akamaro ko gukoresha kg mu gupima uburemere.

### Nsobanukiwe ko:

- **Kilogarama(kg) ari urugero fatizo rw'ingero, z'uburemere.**
- **Kg ikoreshwa iyo bapima uburemere bw'ibintu.**

### Igikorwa cya 3

Muganire ku bibi byo kudakoresha umunzani ngo umenye umubare wa kg z'ibintu ugiye gukoresha cyangwa ugiye kugura.

## **Twiyemeje ko:**

Tuzajya tugura ibintu badutumye tubanje kubasaba gupima tukareba ko byuzuye mbere yo kubigura.

## **5. Kugereranya ingero z'uburemere**

### **Igikorwa 1**

Muganire ku nkuru ikurikira. Maze buri wese aze kubwira bagenzi be inkuru ivuga ibyo yakoze birimo ingero z'uburemere.

Keza na Gisa barushanyijwe gutonora amashaza, barangije bapima ayo buri wese yatonoye. Hanyuma basanga Keza yatonoye Kg 3 naho Gisa yatonoye Kg 2. Gisa yiye meza ko ubutaha ari we uzatonora amashaza menshi.

### **Igikorwa cya 2**

Muterure ibintu bitandukanye, muvuga ikiremereye cyane kurusha ikindi n'icyoroshye kurusha ikindi.

### **Igikorwa cya 3**

Mugereranye mukoresheje <, >, =

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| a) Kg 51 <input type="text"/> kg 42   | d) Kg 252 <input type="text"/> kg 157 |
| b) Kg 23 <input type="text"/> kg 172  | e) Kg 176 <input type="text"/> kg 526 |
| c) Kg 354 <input type="text"/> kg 345 | f) Kg 179 <input type="text"/> kg 179 |

## Igikorwa cya 4

Tondeka uva kuri kg nkeya ujya kuri kg nyinshi

- a) Kg 51, kg 26, kg 21
- b) Kg 21, kg 12, kg 81
- c) Kg 31, kg 24, kg 47
- d) Kg 42, kg 25, kg 27
- e) Kg 28, kg 40, kg 52
- f) Kg 32, kg 51, kg 57

## Igikorwa cya 5

Tondeka uva kuri kg nyinshi ujya kuri kg nkeya

- a) Kg 15, kg 27, kg 12
- b) Kg 21, kg 82, kg 18
- c) Kg 31, kg 28, kg 75
- d) Kg 24, kg 52, kg 29
- e) Kg 27, kg 37, kg 25
- f) Kg 23, kg 15, kg 72

### Nsobanukiwe ko:

Iyo ugereranya cyangwa utondeka ingero z'uburemere ugereranya cyangwa ugatondeka urebeye ku mibare ikurikira kg. Umubare muto ugaragaza ibiro bike naho umubare munini ukagaragaza ibiro byinshi.

## 6. Guteranya ingero z'uburemere muri kg



**Reka dukore dukurikije  
urugero twahawe**



**Urugero:**

$$\text{kg } 205 + \text{kg } 414 = \text{kg } 619$$

$$\begin{array}{r} \text{kg } 205 \\ + \text{kg } 414 \\ \hline \text{kg } 619 \end{array}$$

- |                         |                      |                        |                      |
|-------------------------|----------------------|------------------------|----------------------|
| a) Kg 81 + kg 11 = kg   | <input type="text"/> | d) Kg 73 + kg 36 = kg  | <input type="text"/> |
| b) Kg 33 + kg 82 = kg   | <input type="text"/> | e) Kg 167 + kg 87 = kg | <input type="text"/> |
| c) Kg 128 + kg 196 = kg | <input type="text"/> | f) Kg 234 + kg 85 = kg | <input type="text"/> |

## 7. Amahurizo yo guteranya ingero z'uburemere muri "kg"



**Reka dukore amahurizo  
dukurikije urugero**



### Urugero:

Mfite kg 32 naho mukuru wange afite kg 46. Twese dufite kg zingahe?

### Igisubizo:

$$\begin{array}{r} \text{Twembi dufite kg } 32 + \text{kg } 46 = \text{kg } 78 \\ \text{Twembi dufite kg } 78 \end{array}$$

$$\begin{array}{r} \text{kg } 32 \\ + \text{kg } 46 \\ \hline \text{kg } 78 \end{array}$$

1. Kamanzi yazigamye kg 12 z'imyumbati mu kwezi gushize. Mukuru we azigama kg 15 z'imyumbati. Bose hamwe bazigamye kg zingahe?
2. Rukundo yacuruje kg 50 z'umuceri mu gitondo arongera acuruza kg 25 z'umuceri ku mugoroba. Ubwo Rukundo yacuruje kg zingahe zose hamwe?
3. Mu rugo duteka kg 5 z'ibirayi ku manywa, nijoro tugateka kg 4 z'ibitoki. Shaka umubare wa kg turya ku munsi.
4. Mbabazi acuruza kg 15 z'isukari na kg 25 z'ifu y'igikoma buri munsi. Ubwo ku munsi acuruza kg zingahe zose hamwe?

## 8. Gukuramo ingero z'uburemere muri "kg"



Reka nkore nkurikije urugero



Urugero:

$$\text{kg } 475 - \text{kg } 364 = \boxed{\text{kg } 111}$$

$$\begin{array}{r} \text{kg } 475 \\ - \text{kg } 364 \\ \hline \text{kg } 111 \end{array}$$

- |                         |                      |                         |                      |
|-------------------------|----------------------|-------------------------|----------------------|
| a) Kg 54 – kg 29 = kg   | <input type="text"/> | b) Kg 215 – kg 59 = kg  | <input type="text"/> |
| c) Kg 121 – kg 98 = kg  | <input type="text"/> | d) Kg 217 – kg 191 = kg | <input type="text"/> |
| e) Kg 324 – kg 179 = kg | <input type="text"/> | f) Kg 546 – kg 329 = kg | <input type="text"/> |

## 9. Amahurizo yo gukuramo ingero z'uburemere



Reka dukore dukurikije urugero twahawe



Urugero:

Nashyize kg 28 z'umuceri mu mufuka ujyamo kg 59. Shaka umubare wa kg z'umuceri zibura kugira ngo wuzure.

$$\begin{array}{r} - \text{kg } 28 \\ \hline \text{kg } 31 \end{array}$$

Igisubizo:

Umubare wa kg zibura ni kg 59 - kg 28 = kg 31  
Harabura kg 31 z'umuceri.

- Umucuruzi yaranguye kg 150 z'ibishyimbo agurisha kg 75 z'ibishyimbo. Yasigaranye kg zingahe?

2. Gisa yasaruye kg 247 z'umuceri ahaho abaturanyi be kg 130. Yasigaranye kg zingahe z'umuceri?

## 10. Gukuba ingero z'uburemere n'umubare ushyitse



**Reka dukore dukurikije urugero twahawe**



**Urugero:**

$$\text{kg } 82 \times 4 = \text{kg } 328$$

$$\begin{array}{r} \text{kg } 82 \\ \times \text{kg } 4 \\ \hline \text{kg } 328 \end{array}$$

- |   |   |
|---|---|
| a) Kg $42 \times 3 = \text{kg } \boxed{\phantom{00}}$ | d) Kg $53 \times 4 = \text{kg } \boxed{\phantom{00}}$ |
| b) Kg $93 \times 2 = \text{kg } \boxed{\phantom{00}}$ | e) Kg $54 \times 5 = \text{kg } \boxed{\phantom{00}}$ |
| c) Kg $81 \times 6 = \text{kg } \boxed{\phantom{00}}$ | f) Kg $15 \times 6 = \text{kg } \boxed{\phantom{00}}$ |

## 11. Amahurizo yo gukuba ingero z'uburemere



**Reka dukore dukurikije urugero twahawe**



**Urugero:**

Iwacu twasaruye imifuka 6 y'ibishyimbo buri umwe upima kg 71. Ubwo twasaruye kg zingahe?

**Igisubizo:**

$$\text{Twasaruye kg } 71 \times 6 = \text{kg } 426$$

Twasaruye kg 426 z'ibishyimbo.

$$\begin{array}{r} \text{kg } 71 \\ \times \frac{6}{\text{kg } 426} \end{array}$$

1. Mu rugo duteka kg 6 z'ibirayi ku munsi. Ubwo mu minsi 3 duteka kg zingahe?

- Murengezi atwara kg 61 z'ibitoki ku ngorofani. Azatwara kg zingahe z'ingahe nagenda inshuro 3?
- Muhizi ateka amandazi.Ku munsi akoresha kg 31 z'ifarini. Azakoresha Kg zingahe z'ifarini mu gihe k'iminsi 10?

## 12. Kugabanya ingero z'uburemere n'umubare ushyitse



**Reka dukore dukurikije urugero twahawe**



**Urugero:**

$$\text{kg } 75 \div 3 = \text{ kg } 25$$

$$\begin{array}{r}
 \text{kg } 75 \\
 - 6 \downarrow \\
 \hline
 15 \\
 - 15 \\
 \hline
 00
 \end{array}
 \quad | \quad \begin{array}{c} 3 \\ \hline \text{kg } 25 \end{array}$$

- |                    |                      |                    |                      |
|--------------------|----------------------|--------------------|----------------------|
| a) Kg 4 : 2 = kg   | <input type="text"/> | i) Kg 66 : 6 = kg  | <input type="text"/> |
| b) Kg 84 : 4 = kg  | <input type="text"/> | j) Kg 99 : 3 = kg  | <input type="text"/> |
| c) Kg 75 : 5 = kg  | <input type="text"/> | k) Kg 35 : 5 = kg  | <input type="text"/> |
| d) Kg 95 : 5 = kg  | <input type="text"/> | l) Kg 624 : 6 = kg | <input type="text"/> |
| e) Kg 220 : 4 = kg | <input type="text"/> | m) Kg 216 : 3 = kg | <input type="text"/> |
| f) Kg 655 : 5 = kg | <input type="text"/> | n) Kg 486 : 2 = kg | <input type="text"/> |
| g) Kg 864 : 6 = kg | <input type="text"/> | o) Kg 369 : 3 = kg | <input type="text"/> |
| h) Kg 624 : 4 = kg | <input type="text"/> | p) Kg 848 : 4 = kg | <input type="text"/> |

## 13. Amahurizo yo kugabanya ingero z'uburemere



**Reka dukore dukurikije urugero twahawe.**



### Urugero:

Gabanya ku buryo bungana kg 488 za kawunga imiryango 4. Buri muryango uzawuha kg zingahe?

### Igisubizo:

Buri muryango nzawuha kg  $488 : 4 = \text{kg } 122$

Buri muryango nzawuha kg 122

$$\begin{array}{r} \text{kg } 488 \\ - 4 \\ \hline 08 \\ - 8 \\ \hline 08 \\ - 8 \\ \hline 0 \end{array} \quad \begin{array}{l} | \\ 4 \\ | \\ 122 \end{array}$$

1. Gabanya ku buryo bungana kg 450 z'umuceri abantu 5. Buri wese azatwara kg zingahe?
2. Abacuruzi ba 4 bafatanyije kugura kg 328 z'isukari bazigabana ku buryo bungana buri wese yatwaye kg zingahe?
3. Ibishyimbo bipima kg 284 bigabanyirize mu mifuka 4 ku buryo bungana. Buri mufuka uzajyamo kg zingahe?
4. Mu gihe k'isarura ry'ibishyimbo, umubyeyi yasaruye kg 48 azigabanya abana be 4 ku buryo bungana ngo babijyane ku isoko. Buri wese yatwaye kg zingahe?
5. Mu rugo duteka kg 30 z'ibirayi mu minsi 5. Ubwo duteka kg zingahe buri munsi?

## ISUZUMA RISOZA UMUTWE WA 7

1. Subiza yego cyangwa oya
  - (a) Kg ni urugero fatizo mu ngero z'uburemere.
  - (b) Kg ikoreshwa mu gupima ibitembabuzi nk'amazi.
  - (c) Iyo ushaka kumenya uburemere bw'ibintu ukoresha  $\ell$ .
2. Vuga amoko atatu y'iminzani uzi.
3. Gereranya ukoresheje  $<$ ,  $>$  na  $=$ 
  - (a) Kg 721  kg 271      (b) Kg 657  kg 756
  - (c) Kg 74  kg 74      (d) Kg 67  kg 76
  - (e) Kg 582  kg 532      (f) Kg 659  kg 559
4. Tondeka uhereye ku byinshi ujya ku bike  
Kg 478, kg 874, kg 487, kg 784, kg 847, kg 748
5. Tondeka uhereye ku bike ujya ku byinshi  
Kg 836, kg 368, kg 638, kg 863, kg 386, kg 683
6. Kora iyi myitozo
  - (a) Kg 645 + kg 294 = kg
  - (b) Kg 809 + kg 178 = kg
  - (c) Kg 738 – kg 598 = kg
  - (d) Kg 696 – kg 467 = kg
  - (e) Kg 995 : 5 = kg
  - (f) Kg 960 : 6 = kg
  - (g) Kg 92  $\times$  4 = kg
  - (h) Kg 72  $\times$  3 = kg

## 7. Amahurizo

- (a) Abatoni yaranguye imifuka 6 ya sima. Shaka kg za sima yaranguye niba buri mufuka upima Kg 50
- (b) Mu gihe k'ihinga Rwema yagabanyije abana be 5 ibishyimbo bingana na kg 85 mu buryo bungana. Ubwo buri mwana yatwaye kg zingahe?
- (c) Mu gihembwe k'ihinga cya mbere twasaruye kg 356 z'umuceri. Mu gihembwe cya kabiri dusarura kg 278 no mu cya gatatu dusarura kg 319. Mu bihembwe bitatu twasaruye kg zingahe?
- (d) Mu bubiko bw'ishuri harimo kg 895 z'ibishyimbo bavanyeho kg 547 bazitekera abanyeshuri. Mu bubiko hasigayemo kg zingahe?
- (e) Umwaka ushize nasaruye kg 215 z'umuceri naho uyu mwaka nasaruye kg 185.Ubwo nasaruye kg zingahe muri iyi myaka ibiri?
- (f) Gabanya ku buryo bungana kg 472 z'isukari ingo 4.Buri rugo uzaruha kg zingahe?
- (g) Kamana apima kg 45 naho mushiki we mukuru agapima kg 55.Bombi bapima kg zingahe?

## 0. Imyitozo yo kwiyibutsa amafaranga

### Igikorwa cya 1

Mukoreshe <, > na = mugereranye

- |                     |                      |
|---------------------|----------------------|
| a) F 50 <      F 50 | d) F 45      < F 70  |
| b) F 25      < F 35 | e) F 75      < F 100 |
| c) F 95      < F 85 | f) F 70      < F 70  |

### Igikorwa cya 2

Mutondeke aya mafaranga muhereye ku make mujya ku menshi.

- |                      |                      |
|----------------------|----------------------|
| a) F 75, F 50, F 90  | d) F 60, F 100, F 70 |
| b) F 90, F 80, F 50  | e) F 60, F 30, F 80  |
| c) F 100, F 20, F 60 | f) F 40, F 70, F 20  |

### Igikorwa cya 3

Mutondeke aya mafaranga akurikira muhereye ku menshi mujya ku make.

- |                      |                      |
|----------------------|----------------------|
| a) F 75, F 50, F 90  | f) F 60, F 100, F 70 |
| b) F 90, F 80, F 50  | g) F 60, F 30, F 80  |
| c) F 100, F 20, F 60 | h) F 40, F 70, F 20  |
| d) F 45, F 15, F 50  | i) F 25, F 100, F 65 |
| e) F 60, F 75, F 35  | j) F 70, F 35, F 90  |

## Igikorwa cya 4

Mukoreshe ibiceri mushake igisubizo

- |                  |                  |
|------------------|------------------|
| a) F 35 + F 25 = | d) F 85 – F 45 = |
| b) F 25 + F 45 = | e) F 45 – F 35 = |
| c) F 55 + F 35 = | f) F 35 + F 45 = |
| d) F 75 - F 25 = | h) F 95 - F 65 = |

## Igikorwa cya 5

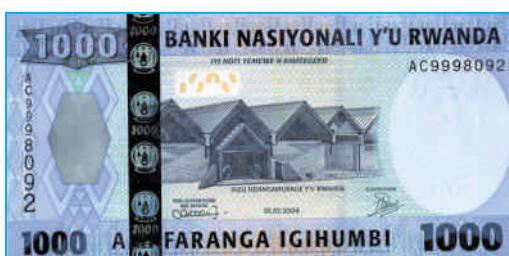
**Amahurizo:**

1. Kariza afite F 100 arashaka kugura ibisuguti bigura F 50. Bazamugarurira angahe?
2. Keza bamuhaye F 80 bongeraho andi F 20 Yagize F angahe yose hamwe ?
3. Kayitare bamuhembye F 100 ayaguramo ikaramu ya F 50 n'umuneke wa F 40. Vuga F Kayitare yasigaranye.
4. Kanamugire bamutumye ikibiriti cya F 20 n'umwembe wa F 50. Ubwo Yakoresheje F angahe?
5. Kuzwa yatoye F 100 aguraho ikaramu y'amafaranga 50. Ubwo yasigaranye F angahe?

## 1. Ibiranga amafaranga y'u Rwanda

Amafaranga y' u Rwanda	Ibiyaranga
	Ibara rya feza, Ihundo ry'ingano, Ikirangantego.
	Ibara ry'umuringa, Ikirangantego, Ikawa.
	Ibara ry'umuringa, Ikirangantego, Insina iriho igitoki.
	Ibara rya feza, Ikirangantego, Ishami ry'igiti.
	Ibara rya feza, Ikirangantego, Ikigori.
	Ibara ry'umuringa, uzengurutswe n'ibara rya feza, Ikirangantego, Agaciro k'ifaranga (F 100).

## Amafaranga y' u Rwanda



## Ibiyaranga

Ikirangantego,  
Abana bakoresha,  
mudasobwa,  
Inka ebyiri,  
Ibara ry'ubururu  
bukeye.

Ikirangantego,  
Inzu ndangamurage  
y'u Rwanda,  
Inkende,  
Ibara ry'ubururu.

### Igikorwa cya 1

Mufate amafaranga mushyire hamwe asa kandi  
afite agaciro kangana, hanyuma mubwirane uko  
mwabikoze?

### Igikorwa cya 2

Muganire ku itandukanirizo riri hagati y'inoti n'ibiceri  
mugendeye k'uko bikoze n'ibibiranga.

## 2. Akamaro k'amafaranga

### Igikorwa cya 1:

Mwitegereze amashusho muvuge ibyo muyabonaho.



### Nsobanukiwe ko:

Amafaranga atuma tugura ibyo dukeneye .

### Igikorwa cya 2

Muganire ku bibazo bikurikira, muze kubwira bagenzi banyu ibyo mwaganiriye.

1. Ufite F 100 wayagura iki?
2. Ufite F 500 wayagura iki?
3. Ufite F 1000 wayagura inzu?

### Igikorwa cya 3

Muganire ku kamaro k'amafaranga nimurangiza mugasobanurile bagenzi banyu mutari kumwe mu itsinda

### 3. Uko amafaranga aboneka

#### Igikorwa cya 1

Mwitegerezze amashusho muyaganireho muvuge ibyo muyabonaho.



#### Nsobanukiwe ko:

Amafaranga tuyavana mu mirimo dukora.

#### Twiyemeje ko:

Tugiye kujya dukoresha amafaranga neza twirinda kuyakoresha ibitateganyijwe.

#### Igikorwa cya 2

Buri wese abwire bagenzi be aho umuryango we uvana amafaranga ukoresha. Mubiganireho.

#### Igikorwa cya 3

Musome urutonde rw'ahantu abantu bashobora kuvana amafaranga. Maze muvangure aho ashobora kuboneka biciye mu nzira nziza n'aho yaboneka biciye mu nzira mbi:

ubuhinzi

uburiganya

ubujura

ubworozi

ubwambuzi

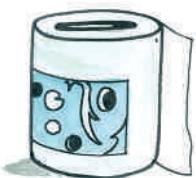
umushahara

## 4. Kugura no kugurisha

### Igikorwa cya 1

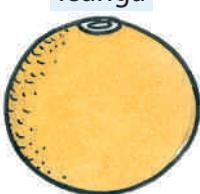
Mwitegerezze amashusho musubize ibibazo bikurikira.

urupapuro rw'isuku



F 300

icunga



F 150

amazi



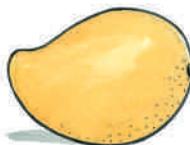
F 300

umutobe w'imbuto



F 700

umwembe



F 150

umugati



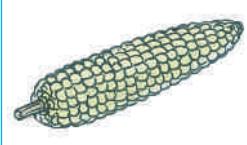
F 550

umuneke



F 100

ikigori

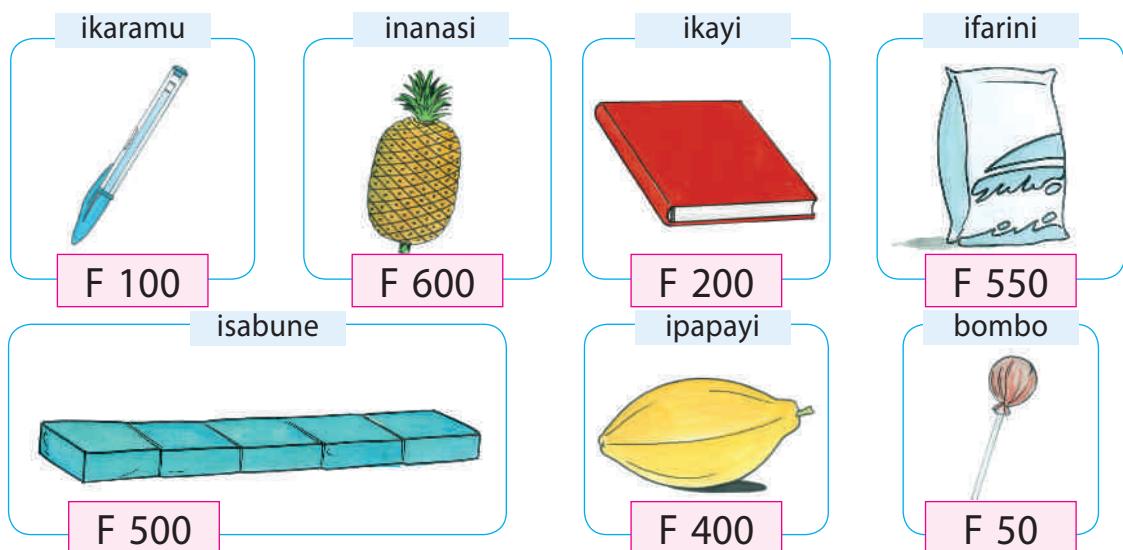


F 100

- Mutoni arashaka kugura icunga n'umwembe.  
Azabigura F angahe?
- Gisa yaguze umutobe w'imbuto n'ikigori. yishyuye  
F angahe?
- Kangabe yatumye Uwase urupapuro rw'isuku ,  
umuneke n'umugati.Yamuhaye F angahe?
- Mahame yatumye Butera ikigori n'umugati.Ubwo  
yamuhaye F angahe?

## Igikorwa cya 2

Mwitegerezé amashusho, musubize ibibazo bikurikira.



- Muhizi afite F 750 nagura ikayi n'ikaramu bazamugarurira F angahe ?
- Ingabire afite inoti ya F 500 nagura ipapayi na bombo bazamusubiza F angahe?

## 5. Kuvunjisha amafaranga y'u Rwanda

### Igikorwa cya 1

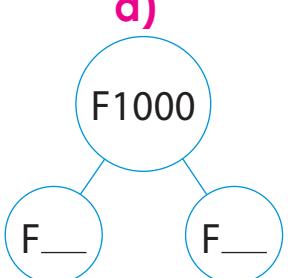
Mukore iyi myitozo.

- $F 10 = F \underline{\quad} + F \underline{\quad}$
- $F 20 = F \underline{\quad} + F \underline{\quad}$
- $F 20 = F \underline{\quad} + F \underline{\quad} + F \underline{\quad} + F \underline{\quad}$
- $F 50 = F \underline{\quad} + F \underline{\quad} + F \underline{\quad}$
- $F 100 = F \underline{\quad} + F \underline{\quad}$
- $F 100 = F \underline{\quad} + F \underline{\quad} + F \underline{\quad} + F \underline{\quad} + F \underline{\quad}$
- $F 500 = F \underline{\quad} + F \underline{\quad} + F \underline{\quad} + F \underline{\quad} + F \underline{\quad}$

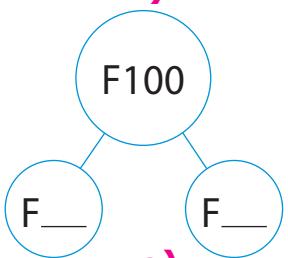
## Igikorwa cya 2

Mwuzuzemo imibare ibura.

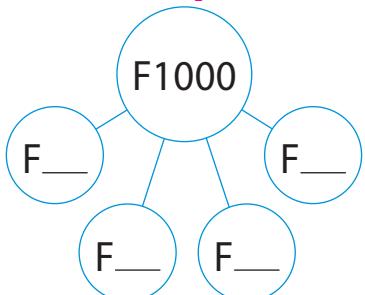
a)



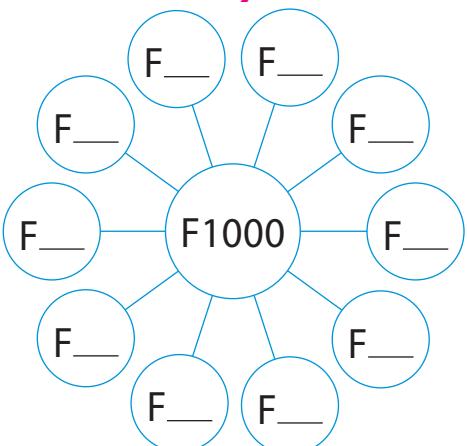
b)



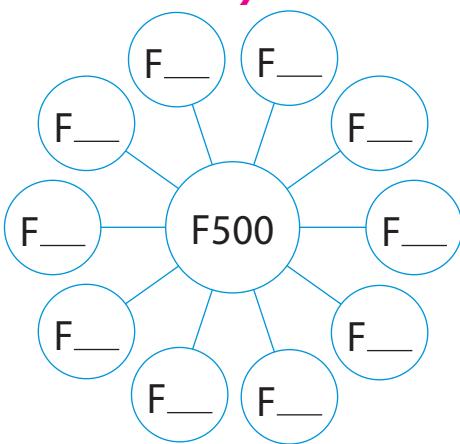
c)



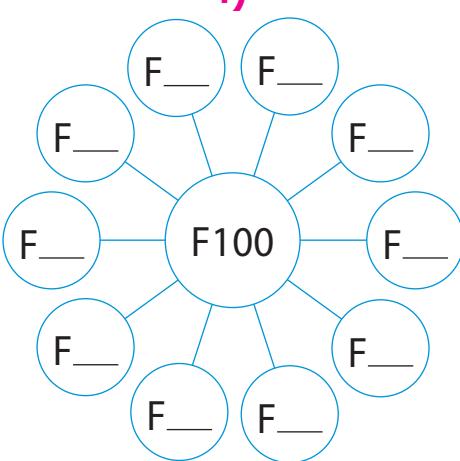
d)



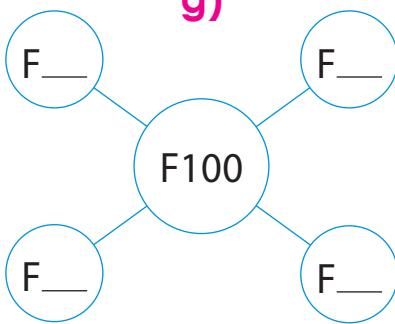
e)



f)



g)



## 6. Gukora urutonde rw'ibintu mbere yo kubigura

### Igikorwa cya 1

Mwitegerezze ishusho, muvuge icyo mubonaho.



### Nsobanukiwe ko:

Gukora urutonde rw'ibyo ugiye kugura bituma: utibeshya, udatakaza umwanya, ugahitamo iby'ingenzi, bituma kandi ucunga neza

### Igikorwa cya 2

Kora urutonde rw'ibyo wagura uramutse ufite F 1000

### Twiyemeje ko:

Igihe cyose bazajya badutuma guhaha tuzajya dukora urutonde rw'ibyo badutumye ndetse n'igiciro cyabyo.

### Igikorwa cya 3

Soma urutonde rw'ibyo Gahima ashaka kujya kugura ku isoko maze ushake umubare wa F azakoresha.

- |                     |                    |
|---------------------|--------------------|
| 1. Ibitunguru =F200 | 3. Ubunyobwa= F200 |
| 2. Isabune= F200    | 4. Ibirayi= F 300  |

## 7. Gukoresha no gufata neza amafaranga

### Igikorwa cya 1

Muhitemo iby'ingenzi mwatangaho amafaranga kurusha ibindi, musobanure impamvu.

a.



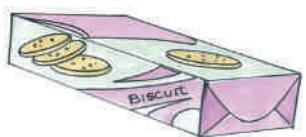
b.



c.



d.



e.



f.



g.



h.



i.



j.



k.



l.



## Igikorwa cya 2

Itegereze amashusho, uvuge ibyo uyabonaho.



### Nsobanukiwe ko:

Amafaranga agura ibantu bikenewe kurusha ibindi.

### Tugomba gufata neza amafaranga.

### Twiyemeje ko:

Tuzajya dukoresha amafaranga neza, twirinda kwandika ku mafaranga no kuyaca. Twiyemeje kubika neza amafaranga.

## 8. Umuco wo kuzigama

### Igikorwa

Itegereze amashusho, uvuge ibyo uyabonaho.

a.



b.



c.



d.



e.



f.



## Nsobanukiwe ko:

**Kuzigama ari umuco mwiza.** Ibyo uzigamye birakugoboka.

**Twiyemeje ko:** Tuzajya tuzigama amafaranga.

## 9. Uburyo bwo gukora umushinga uciriritse

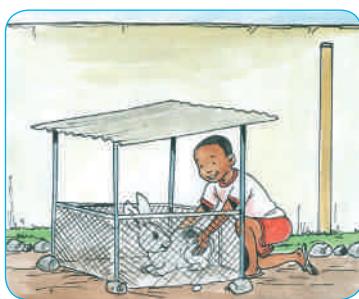
### Igikorwa

Muganire ku mashusho akurikira, namwe mutange urugero rw'agashinga mwakora kakababyarira inyungu mu gihe gito.

a



b



c



d



## Nsobanukiwe ko:

Dufite ubushobozi bwo gukora udushinga duto .

**Twiyemeje ko:**

Tugiye kujya dukora udushinga duto.

## 10. Kugereranya amafaranga atarenze F1000

### Igikorwa cya 1

Mugereranye amafaranga mukoresheje ibimenyetso bya >,< na =

- |          |                      |       |          |                      |       |
|----------|----------------------|-------|----------|----------------------|-------|
| a) F 990 | <input type="text"/> | F 750 | g) F 900 | <input type="text"/> | F 980 |
| b) F 900 | <input type="text"/> | F 100 | h) F 850 | <input type="text"/> | F 950 |
| c) F 800 | <input type="text"/> | F 200 | i) F 750 | <input type="text"/> | F 850 |
| d) F 700 | <input type="text"/> | F 900 | j) F 650 | <input type="text"/> | F 750 |
| e) F 600 | <input type="text"/> | F 600 | k) F 550 | <input type="text"/> | F 350 |
| f) F 500 | <input type="text"/> | F 500 | l) F 450 | <input type="text"/> | F 400 |

### Igikorwa cya 2

Tondeka amafaranga uhereye ku make ujya ku menshi.

- |                        |                        |
|------------------------|------------------------|
| a) F 100, F 250, F 50  | d) F 450, F 300, F 150 |
| b) F 600, F 800, F 750 | e) F 500, F 750, F 650 |
| c) F 900, F 700, F 600 | f) F 250, F 950, F 850 |

### Igikorwa cya 3

Tondeke amafaranga uhereye ku menshi ujya ku make.

- |                        |                        |
|------------------------|------------------------|
| a) F 250, F 100, F 200 | f) F 150, F 450, F 500 |
| b) F 750, F 620, F 600 | g) F 750, F 500, F 700 |
| c) F 700, F 900, F 800 | h) F 950, F 380, F 850 |
| d) F 150, F 850, F 450 | i) F 550, F 150, F 650 |
| e) F 800, F 350, F 950 | j) F 750, F 250, F 850 |

## 11. Guteranya no gukuramo amafaranga atarenga F1000

### Igikorwa

Muteranye cyangwa mukuremo amafaranga akurikira:

- |                        |                        |
|------------------------|------------------------|
| a) $F\ 150 + F\ 500 =$ | g) $F\ 200 + F\ 800 =$ |
| b) $F\ 910 - F\ 500 =$ | h) $F\ 900 - F\ 500 =$ |
| c) $F\ 800 - F\ 200 =$ | i) $F\ 250 + F\ 600 =$ |
| d) $F\ 350 + F\ 450 =$ | j) $F\ 500 + F\ 450 =$ |
| e) $F\ 700 - F\ 600 =$ | k) $F\ 600 - F\ 300 =$ |
| f) $F\ 400 + F\ 500 =$ | l) $F\ 950 - F\ 550 =$ |

## 12. Gukuba no kugabanya F atarenga F1000 n'umubare ushyitse

### Igikorwa

Mukore imyitozo ikurikira yo gukuba no kugabanya:

- |                          |                           |
|--------------------------|---------------------------|
| a) $F\ 100 \times 2 = F$ | g) $F\ 250 : 5 = F$       |
| b) $F\ 80 : 4 = F$       | h) $F\ 100 : 6 = F$       |
| c) $F\ 300 : 3 = F$      | i) $F\ 100 \times 10 = F$ |
| d) $F\ 120 \times 4 = F$ | j) $F\ 440 \times 2 = F$  |
| e) $F\ 200 \times 3 = F$ | k) $F\ 200 \times 4 = F$  |
| f) $F\ 100 \times 5 = F$ | l) $F\ 60 \times 6 = F$   |
| e) $F\ 65 \times 10 = F$ | k) $F\ 550 : 5 = F$       |
| f) $F\ 324 : 4 = F$      | l) $F\ 100 \times 6 = F$  |

## 13. Amahurizo yo guteranya no gukuramo amafaranga



**Reka dukore dukurikije  
urugero twahawe**



### Urugero:

Butera afite F 750 kandi arashaka kugura igitabo kigura F 950. Arabura F angahe ngo agure icyo gitabo?

950

— 750

**200**

### Igisubizo:

Arabura F 950 - F 750 = F 200

Arabura F 200

1. Mahoro yaguze ikayi ku F 350, n'ikaramu ya F 200. Byose hamwe yabiguze F angahe?
2. Shema yagiye kugura icupa ry'amazi rigura F 300 afite inoti ya F 500. Bamugaruriye F angahe?
3. Manirakiza bamuhembye F 900. Ayaguramo umutobe w'imbuto bamugarurira F 200. Uwo mutobe w'imbuto yawuguze F angahe?
4. Gasore bamutumye kugura umugati bamuha F 900 agezeyo barawumuha bamugarurira F 250. Umugati yawuguze F angahe?
5. Uwamahoro yaguze imineke ku F 600, agura n'ishu rya F 300. Ubwo byose yabiguze F angahe?

## 14. Amahurizo yo gukuba no kugabanya amafaranga n'umubare ushyitse



**Reka dukore dukurikije  
urugero twahawe**



### Urugero:

Kangabe bamutumye kugura fanta 2 zo kwakiriza abashyitsi. Azazigura F angahe niba imwe igura F 400?

### Igisubizo:

Azazigura F 400 X 2 = F 800

Azazigura F 800

$$\begin{array}{r} 400 \\ \times 2 \\ \hline 800 \end{array}$$

1. Mukuru wange afite F 800 arashaka kuyatugabanya ku buryo bungana uko turi 4. Buri wese azamuha F angahe?
2. Gabanya ku buryo bungana F 900 abana 3. Buri wese uzamuha F angahe?
3. Ningura amakayi 2 nzishyura F angahe niba ikaye imwe igura F 200.
4. Isambusa imwe igura F 100. Nguriye bagenzi bange isambusa 10, nakwisyura F angahe?
5. Ishimwe arashaka kugura amakayi 6 kandi buri kayi igura F 100. Ubwo yose azayagura F angahe?

## ISUZUMA RISOZA UMUTWE WA 8

1. Subiza yego cyangwa oya
  - (a) Amafaranga y'u Rwanda agizwe n'ibiceri gusa.
  - (b) Amafaranga y'u Rwanda agizwe n'inoti gusa.
  - (c) Amafaranga y'u Rwanda agizwe n'inoti n'ibiceri.
  - (d) Ibiceri n'inoti by'u Rwanda biriho ikirangantego.
2. Uzuza
  - (a)  $F\ 1000 = F\ 500 + F\ \boxed{\phantom{0}}$
  - (b)  $F\ 100 = F\ 50 + F\ 20 + F\ \boxed{\phantom{0}} + F\ 10$
  - (c)  $F\ 50 = F\ 20 + F\ 10 + F\ \boxed{\phantom{0}}$
3. Ca akaziga ku hantu umuryango wawe uvana amafaranga  
Umushahara      Uburobyi      Ubukorikori  
Ubworozi          Ubucuruzi      Ubuhinzi
4. Koresha ibimenyetso bya  $>$ ,  $<$  na = ugereranye
  - (a) Inoti ya F 1000  $\boxed{\phantom{0}}$  Inoti ebyiri za F 500
  - (b) F 300  $\boxed{\phantom{0}}$  Ibiceri 2 bya F 100
5. Tondeka aya mafaranga uhoreye ku make ujya ku menshi
  - (a) F 650, F 900, F 750, F 800
  - (b) F 400, F 700, F 650, F 300
6. Tondeka aya mafaranga uhoreye ku menshi ujya ku make
  - (a) F 450, F 550, F 350, F 250, F 650
  - (b) F 850, F 250, F 500, F 950, F 400

7. Andika umubare w'inoti cyangwa ibiceri biri mu mafaranga akurikira:

- (a) F1000 = Inoti  za F500
- (b) F500 = Ibiceri  bya F100
- (c) F100 = Ibiceri  bya F20

8 Amahurizo

- (a) Muhizi yagiye kugura Kg 1 y'isukari afite F 900, agezeyo ayigura F 850. Bamugaruriye amafaranga angahe?
- (b) Keza yaguze umugati ku F 500, agura amagi ku F 200 n'isambusa ku F 200. Byose hamwe yabiguze F angahe?
- (c) Gabanya ku buryo bungana F750 ababyonzi. Buri wese uzamuha F angahe ?
- (d) Buri munsi iyo Masabo agiye ku ishuri atega imodoka imuuyana ikanamugarura, akishyura F 400. Shaka umubare wa F ategesha mu minsi 2.
- (e) Nagiye kugura umuceri mfite F 950 ngezeyo nsanga bawugurisha F750; Ubwo nasigaranye F angahe?

## 1. Kuvuga igihe kerekana n'isaha

### (a) Isaha yuzuye

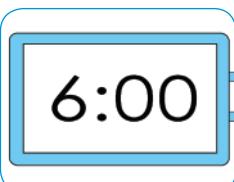
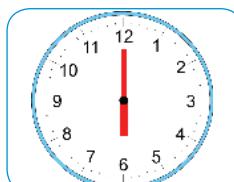
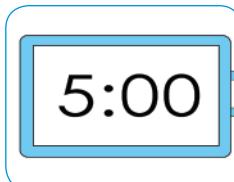
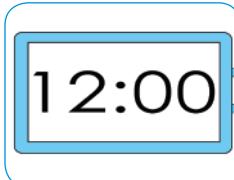
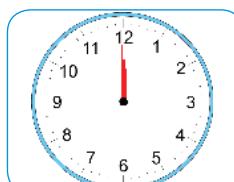
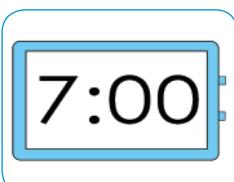
#### Igikorwa cya 1

Mwitegerezze amashusho akurikira, muvuge amazina y'ibiri ku mashusho n'akamaro kabyo.



#### Igikorwa cya 2

Mwitegerezze amasaha, muvuge igihe.



### Nsobanukiwe ko:

#### (a) Isaha y'inshinge

- Igira inshinge ebyiri cyangwa eshatu.

**Urushinge rurerure rubara iminota.**

**Urushinge rugufi rubara amasaha.**

**Agashinge gato karekare kabara amasegonda.**

**• Mu isaha y'urushinge :**

- Handitsemo imibare kuva kuri **1 kugera kuri 12 bivuga** amasaha.
- Kuva ku mubare umwe ujya ku wundi harimo isaha 1.

**(b) Isaha y'imibare:**

- Umubare ubanza ugaragaza amasaha
- Umubare uza inyuma y'utudomo tubiri ugaragaza iminota.
- Isaha igira iminota 60
- Umunsi ugira amasaha 24

**(c) Umunsi**

**ugizwe n'ibice 2:**

- Mbere ya saa sita
- Nyuma ya saa sita.
- Buri gice cy'umunsi kigira amasaha 12.

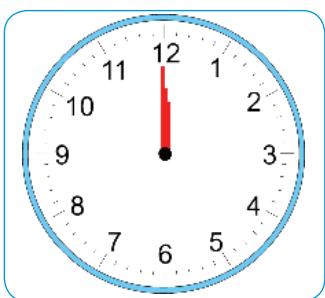
### Igikorwa cya 3

Subiza ibi bikurikira:

1. Ibice bigize umunsi ni bingahe?
2. Umunsi utangira ryari ukarangira ryari?
3. Isaha imwe igira iminota ingahe?

### Igikorwa cya 4

Itegereze amasaha uvuge igihe.



Ni saa \_\_\_\_\_



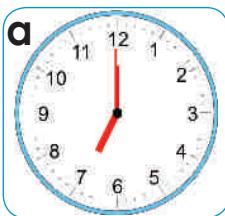
Ni saa \_\_\_\_\_

Bandika kandi bagasoma isaha ku buryo bukurikira

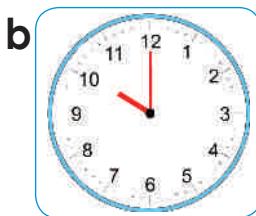
Kwandika isaha	Gusoma isaha
12 : 00	saa sita z'amanywa
1 : 00	saa saba
2 : 00	saa munani
3 : 00	saa kenda
4 : 00	saa kumi
5 : 00	saa kumi n'imwe
6 : 00	saa kumi n'ebiyiri
7 : 00	saa moyo
8 : 00	saa mbiri
9 : 00	saa tatu
10 : 00	saa yine
11 : 00	saa tanu
12 : 00	saa sita z'ijoro

### Igikorwa cya 5

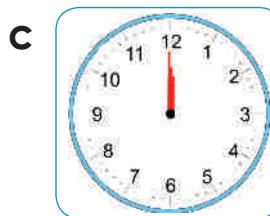
Mwitegerezze, muvuge igihe.



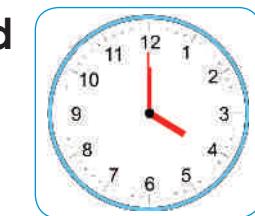
Ni saa\_\_\_\_\_



Ni saa\_\_\_\_\_



Ni saa\_\_\_\_\_



Ni saa\_\_\_\_\_

a.

10:00

Ni saa\_\_\_\_\_

b.

8:00

Ni saa\_\_\_\_\_

c.

3:00

Ni saa\_\_\_\_\_

d.

2:00

Ni saa\_\_\_\_\_

## Nsobanukiwe ko:

### ku isaha y'urushinge:

Niba urushinge rubara amasaha ruri ku mubare runaka urubara iminota ruri kuri 12 ni isaha iba yuzuye.

### ku isaha y'imibare :

Iyo imibare ibanza ikurikiwe n'amazeru 2 isaha iba yuzuye urugero: (7:00)

## Imyitozo

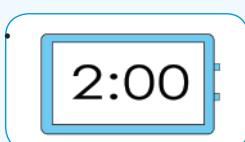
1. Itegerezze amasaha akurikira, maze uvuge igihe:

a.



Ni saa\_\_\_\_\_

b.



Ni saa\_\_\_\_\_

c.



Ni saa\_\_\_\_\_

2. Shushanya amasaha y'inshinge abara

a. Saa kumi n'ebyiri

c. Saa tanu

b. Saa mbiri

d. Saa yine

## (b) Isaha irengaho iminota 30

### Igikorwa cya 6

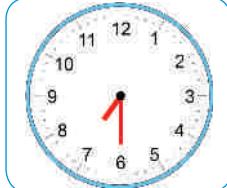
Mwitegerezze amasaha, muvuge igihe

a.



Ni saa\_\_\_\_\_

b.



Ni saa\_\_\_\_\_

c.



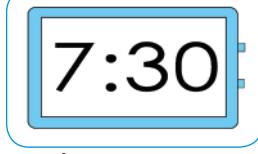
Ni saa\_\_\_\_\_

a.



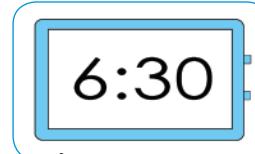
Ni saa\_\_\_\_\_

b.



Ni saa\_\_\_\_\_

c.



Ni saa\_\_\_\_\_

## Nsobanukiwe ko:

### Ku isaha y'urushinge:

Iyo urushinge rubara amasaha ruri hagati y'imibare ibiri naho urubara iminota ruri ku mubare 6 basoma isaha irengaho iminota mirongo itatu.

### Ku isaha y'imibare

Iyo isaha y'imibare harimo umubare ukurikirwa n'utudomo tubiri na 30, iba ari isaha irengaho iminota mirongo itatu.

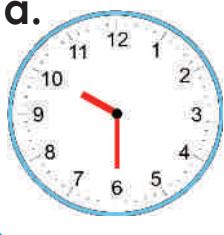
**Urugero:**

9 : 30 saa tatu n' iminota 30



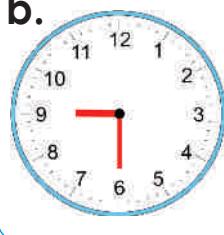
Itegereze amasaha akurikira maze uvuge igihe:

a.



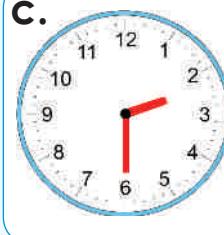
Ni saa\_\_\_\_\_

b.



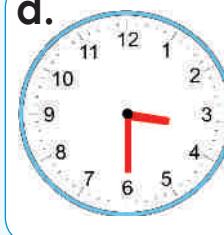
Ni saa\_\_\_\_\_

c.



Ni saa\_\_\_\_\_

d.



Ni saa\_\_\_\_\_

a.

10:30

Ni saa\_\_\_\_\_

b.

9:30

Ni saa\_\_\_\_\_

c.

2:30

Ni saa\_\_\_\_\_

d.

3:30

Ni saa\_\_\_\_\_

### Igikorwa cya 7

Mushushanye amasaha y'inshinge abara:

a) 11 : 00

c) 10 : 30

e) 2 : 30

b) 8 : 30

d) 3 : 00

f) 5 : 00

## 2. Indangaminsi

### Igikorwa 1

Mwitegerezze indangaminsi hanyuma musubize ibibazo biri munsi yayo.



### Ibibazo:

- a) Icyumweru kigira iminsi ingahe? Yivuge.
- b) Icyumweru gitangira ku wa kangahe?
- c) Icyumweru kirangira ku wa kangahe?
- d) Icyumweru kigira iminsi ingahe y'imibyizi? Yivuge.
- e) Icyumweru kigira iminsi ingahe y'ikiruhuko? Yivuge.

### Nsobanukiwe ko:

#### Icyumweru kigira iminsi 7.

Icyumweru gitangira ku munsi wa mbere kikarangira ku munsi wa karindwi. Kuri uwo munsi, bamwe bavuga ko ari ku cyumweru abandi bakavuga ku isabato.



## Reka nkore



1. Uza ku ishuri iminsi ingahe mu cyumweru? Yivuge.
2. Iwanyu mujya gusenga ku wa kangahe?
3. Ni uwuhe munsi ukunze kuberaho ubukwe?
4. Kuki habaho iminsi y'imibyizi n'iminsi y'ikiruhuko?

### Igikorwa cya 2

Mwitegereze indangaminsi musubize.

#### Mutarama 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

#### Gashyantare 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

### Werurwe 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

### Mata 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### Gicurasi 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## Kamena 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## Nyakanga 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

## Kanama 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### Nzeri 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
				1	2	3
4	5	6	7	7	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### Ukwakira 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

### Ugushyingo 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

## Ukuboza 2017

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
<b>25</b>	26	27	28	29	30	31

### Ibibazo

- (a) Umwaka ugira amezi angahe?
- (b) Ese amezi yose agira iminsi ingana?
- (c) Vuga amazina y'amezi agira iminsi 30?
- (d) Ni ukuhe kwezi kugira iminsi mike?
- (e) Ukwezi kugira ibyumweru bingahe?
- (f) Umwaka ugira ibyumweru bingahe?

### Nsobanukiwe ko:

Umwaka ugira amezi 12

Amezi	Iminsi	Amezi	Iminsi
Mutarama	31	Nyakanga	31
Gashyantare	28/29	Kanama	31
Werurwe	31	Nzeri	30
Mata	30	Ukwakira	31
Gicurasi	31	Ugushyingo	30
Kamena	30	Ukuboza	31

- Ukwezi kwa Gashyantare ni ko kugira iminsi 28 cyangwa 29.

- Ukwazi kugira ibyumweru 4.
- Umwaka ukagira ibyumweru 52.
- Umwaka usanzwe ugira iminsi 365 naho umwaka ufile ukwezi kwa kabiri gufile iminsi 29 ugira iminsi 366.

### Igikorwa cya 3

Mukore indangaminsi y'ukwezi murimo muyimanike mu ishuri.

## 3. Ibikorerwa ku ishuri n'isaha bikorwamo

### Igikorwa cya 1

Mwitegerezze amashusho, mukore urutonde rw'ibantu by'ingenzi mukora ku ishuri ndetse n'isaha mubikoreraho.

a.



b.



c.



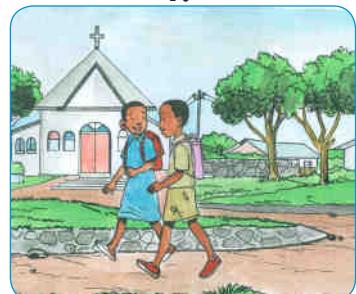
d.



e.



f.



## Nsobanukiwe ko:

Ibikorwa by'ingenzi bikorerwa ku ishuri ari ibi bikurikira:

Ibikorwa	Isaha	Ibikorwa	Isaha
Kugera ku ishuri	7 : 00	Ikiruhuko	Kuva 9 : 30 Kugera 10 : 00
Kujya ku ibendera	7 : 10	Gusubira mu ishuri	10 : 00
kwijnjira mu ishuri	7 : 30	Kwiga	Kuva 10 : 00 Kugera 12 : 00
Kwiga	Kuva 7 : 30 Kugera 9 : 30	Gutaha	12 : 00

## 4. Gukora gahunda y'ibikorwa by'icyumweru

### Igikorwa cya 1

Itegereze gahunda y'ibikorwa bya Kagabo bya buri cyumweru nawe ukore gahunda y'ibyo ukora mu cyumweru.

Umunsi	Ibikorwa
Ku wa Mbere	Kujya kwiga no koza ibyombo
Ku wa Kabiri	Kujya kwiga no gukubura
Ku wa Gatatu	Kujya kwiga no kugaburira inkoko
Ku wa Kane	Kujya kwiga no kuvoma
Ku wa Gatanu	Kujya kwiga no gukoropa
Ku wa Gatandatu	Gukora imikoro no kumesa imyenda y'ishuri
Ku Cyumweru	Kujya gusenga no gutunganya icyumba araramo

## Nsobanukiwe ko:

Iyo umuntu ateguye gahunda y'ibyo akora **bituma** yubahiriza igihe.

## Twiyemeje ko:

- Tuzajya twubahiriza igihe twirinda gukererwa.
- Tuzajya dukorera igikorwa icyo ari cyo cyose ku gihe.

## Igikorwa cya 2

Muganire ku bibi byo kutubahiriza igihe.

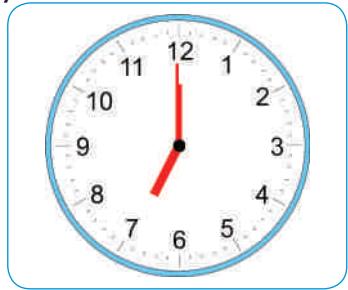


### Reka nkore



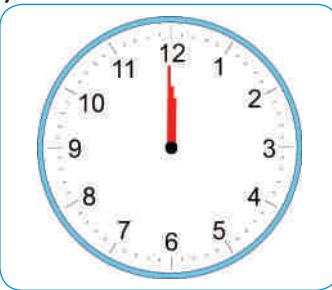
#### 1. Ni gihe ki?

a)



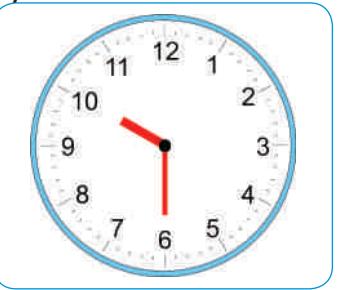
Ni saa\_\_\_\_\_

c)



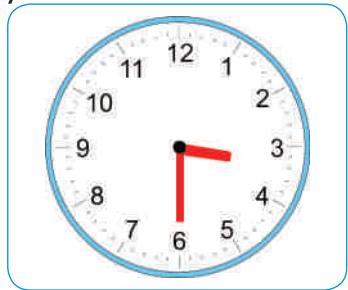
Ni saa\_\_\_\_\_

e)



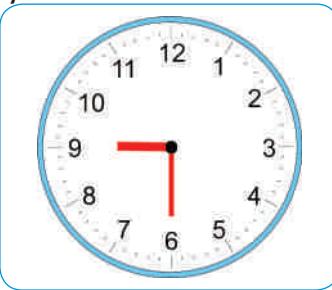
Ni saa\_\_\_\_\_

b)



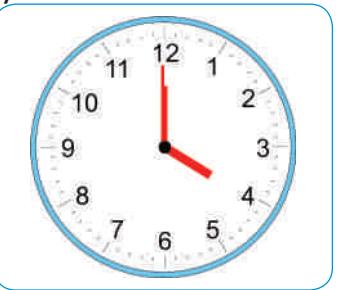
Ni saa\_\_\_\_\_

d)



Ni saa\_\_\_\_\_

f)



Ni saa\_\_\_\_\_

## 2. Uzuza interuro zikurikira:

- a) Isaha imwe igira iminota
- b) Umunsi umwe ugira amasaha
- c) Icyumweru kimwe kigira iminsi
- d) Umwaka umwe ugira amezi

## 3. Andika amezi y'umwaka agira:

- a) Iminsi 31
- b) iminsi 30

### ISUZUMA RISOZA UMUTWE WA 9

#### 1. Uzuza

- (a) Umwaka ugira amezi
- (b) Urushinge rurerure rwo mu isaha rwerekana
- (c) Urushinge rugufi rwo mu isaha rwerekana
- (d) Umunsi umwe ugira amasaha
- (e) Isaha imwe igira iminota
- (f) Umunsi ugira ibice bibiri by'ingenzi ari byo
- (g) Buri gice cy'umunsi kigira amasaha
- (h) Icyumweru kigira iminsi

#### 2. Shushanya

- (a) Isaha y'urushinge ibara saa yine
- (b) Isaha y'imibare ibara saa saba

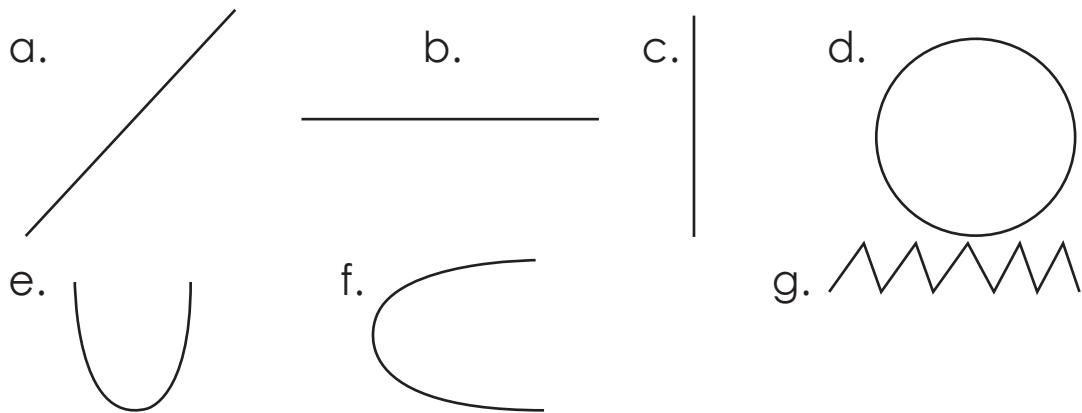
#### 3. Uzuza iyi mbonerahamwe:

Amezi	Iminsi	Amezi	Iminsi
Mutarama	31	Nyakanga	<hr/>
<hr/>	28/29	<hr/>	31
Werurwe	<hr/>	Nzeri	<hr/>
<hr/>	30	<hr/>	31
Gicurasi	<hr/>	Ugushyingo	<hr/>
<hr/>	30	<hr/>	31

## 0. Imyitozo yo kwiyibutsa

### Igikorwa cya 1

Garagaza amazina y'imirongo ikurikira:



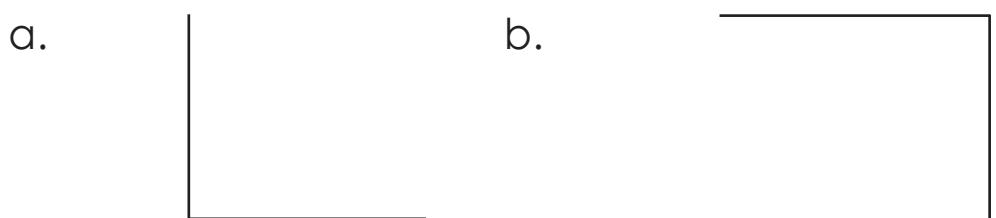
### Igikorwa cya 2

Garagaza amazina y'amashusho akurikira:



### Igikorwa cya 3

Vuga izina ry'imfuruka zikurikira:



# 1. Imirongo igororotse

## (a) Imirongo igororotse

### Igikorwa cya 1

Mwitegereze imirongo ikurikira, muvuge ibiyiranga:

Umurongo  
uhagaze

Umurongo  
utambitse

Umurongo  
ugororotse  
uberamiye  
iburyo

Umurongo  
ugororotse  
uberamiye  
ibumoso

### Igikorwa cya 2

1. Koresha agacamurongo ushushanye iyi mirongo:
  - (a) Umurongo ugororotse uberamiye iburyo.
  - (b) Umurongo utambitse.
  - (c) Imirongo ibiri igororotse ihagaze.

### Nsobanukiwe ko:

Imirongo igororotse irimo amoko ane ari yo:

**Umurongo ugororotse utambitse.**

**Umurongo ugororotse uhagaze.**

**Umurongo ugororotse uberamiye iburyo.**

**Umurongo ugororotse uberamiye ibumoso.**

### Igikorwa cya 3

Vuga amazina yimirongo ikurikira:

a.

b.

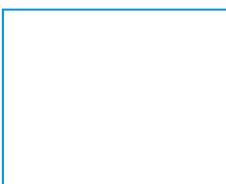
c.

## (b) Imirongo ifunze

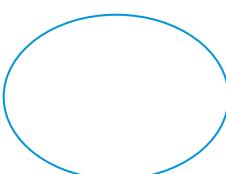
### Igikorwa cya 4

Mwitegereze imirongo ikurikira, muvuge uko iteye.

a.



b.



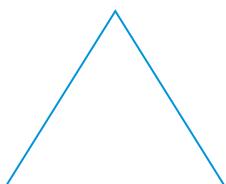
c.



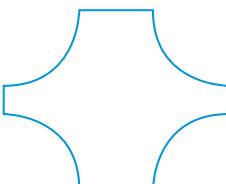
d.



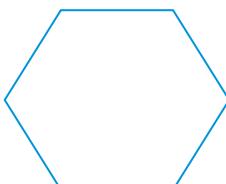
e.



f.



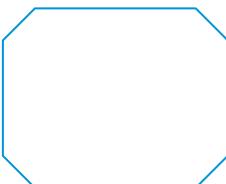
g.



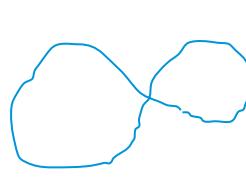
h.



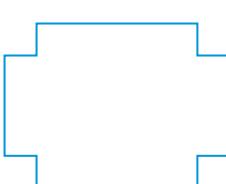
i.



j.



k.



l.



### Igikorwa cya 5

Koresha agacamurongo ushushanye imirongo ikurikira:

- a) umurongo unyuranamo ufunze
- b) umurongo ufunze

### Nsobanukiwe ko:

Umurongo ufunze ni umurongo ufunze ku buryo nta kanya na gato kinjira cyangwa gasohoka imbere.

### (c) Imirongo ifunguye

#### Igikorwa cya 6

Mwitegereze imirongo ikurikira, muvuge uko iteye.

a.



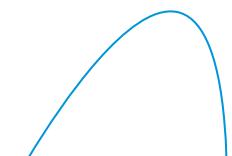
b.



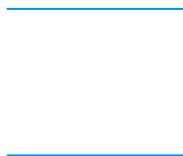
c.



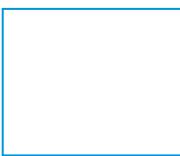
d.



e.



f.



g.



h.



#### Igikorwa cya 7

Shushanya:

- a) Umurongo ufunguye ibumoso
- b) umurongo ufunguye hejuru

#### Nsobanukiwe ko:

**Imirongo ifunguye** ari imirongo idafunze.



#### Imyitozo

Vuga amazina yimirongo ikurikira

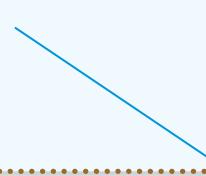
a.



b.



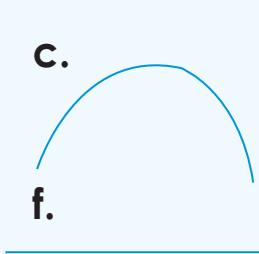
d.



e.



c.

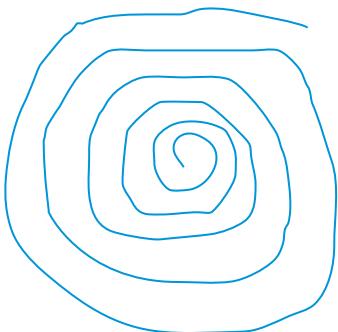


### (c) Imirongo ivunaguye

#### Igikorwa cya 8

Mwitegerezze imirongo ikurikira muvuge uko iteye.

a.



b.



c.



d.



e.



f



#### Igikorwa cya 9

Shushanya:

- a) Umurongo uvunaguye
- b) Umurongo uhese ufunguye hasi

#### Nsobanukiwe ko:

**Imirongo ihese** ari imirongo itagororotse.

**Imirongo ivunaguye** ari imirongo ikozwe n'uduce tw'umurongo.

#### Igikorwa cya 10

Andika amazina y'imirongo ikurikira

a.



b.



c.



d.



e.



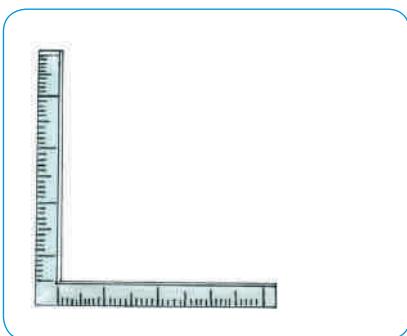
## 2. Amoko y'imfuruka

### (a) Imfuruka igororotse

#### Igikorwa cya 1

Mwitegerezze amashusho, muvuge ibyo muyabonaho.

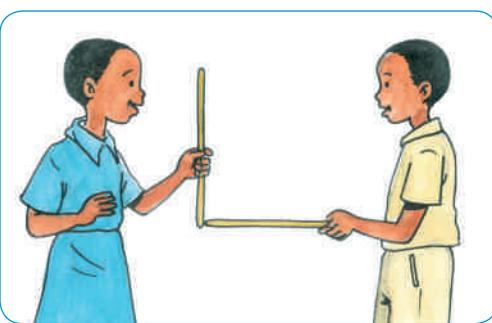
a



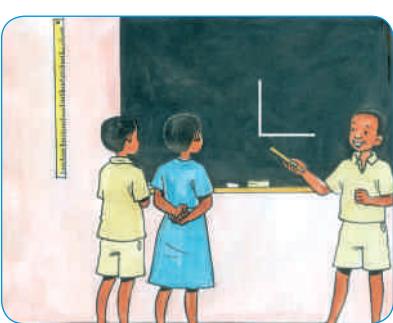
b



c



d



#### Igikorwa cya 2

Shushanya imfuruka igororotse

#### Nsobanukiwe ko:

**Imfuruka igororotse** igizwe n'imirongo ibiri igororotse, umwe utambitse undi uhagaze.

Imfuruka igororotse

#### Igikorwa cya 3

Mwitegerezze ibintu biri mu ishuri, mwerekane ibifite imfuruka igororotse

Umurongo uhagaze

Umurongo utambitse



## (b) Imfuruka ifunganye

### Igikorwa cya 4

Mwitegerezze amashusho, muyaganireho.

a



b

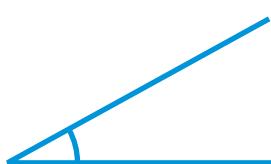


c



Nsobanukiwe ko:

**Imfuruka ifunganye** igizwe n'imirongo ibiri: umwe utambitse cyangwa uhagaze n'undi uberamiye iburyo .



Umurongo uberamye

Umurongo utambitse

Umurongo uberamye

Umurongo uhagaze

Igikorwa cya 5

Mwifashishije uuti cyangwa uducamurongo mukore imfuruka ifunganye.

## (c) Imfuruka yagutse

### Igikorwa cya 6

Mwitegerezze amashusho, muyaganireho.

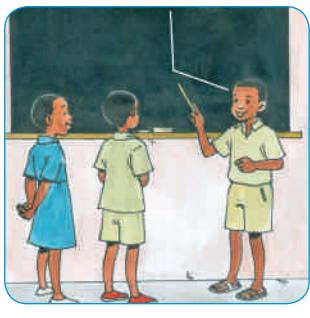
a.



b.



c.



### Igikorwa cya 7:

Shushanya imfuruka yagutse igizwe:

- a) Imirongo ibiri iberamye
- b) Umurongo utambitse n'uberamye

### Nsobanukiwe ko:

Imfuruka **yagutse** igizwe:

- Imirongo 2 iberamiye
- Umurongo uhagaze n'uberamye
- Umurongo utambitse n'uberamiye ibumoso

### Igikorwa cya 8:

Mwifashishe uduti mukore imfuruka yagutse.



### Imyitozo

Vuga amazina y'imfuruka zikurikira

a.



b.

c.

d.

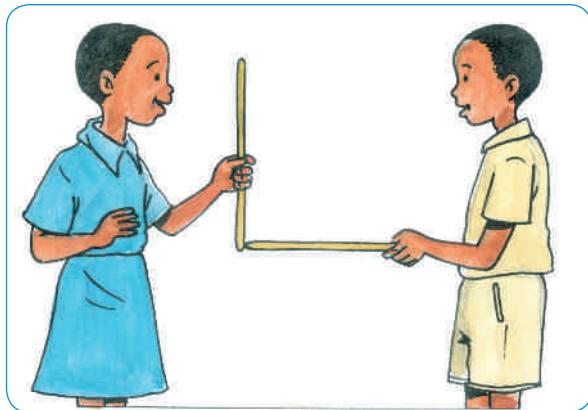
e.

**(d) Kugereranya imfuruka igorotse, imfuruka  
yagutse n'imfuruka ifunganye**

**Igikorwa cya 9**

Mwitegerezze amashusho, mugereranye imfuruka.

a.



b.



c.

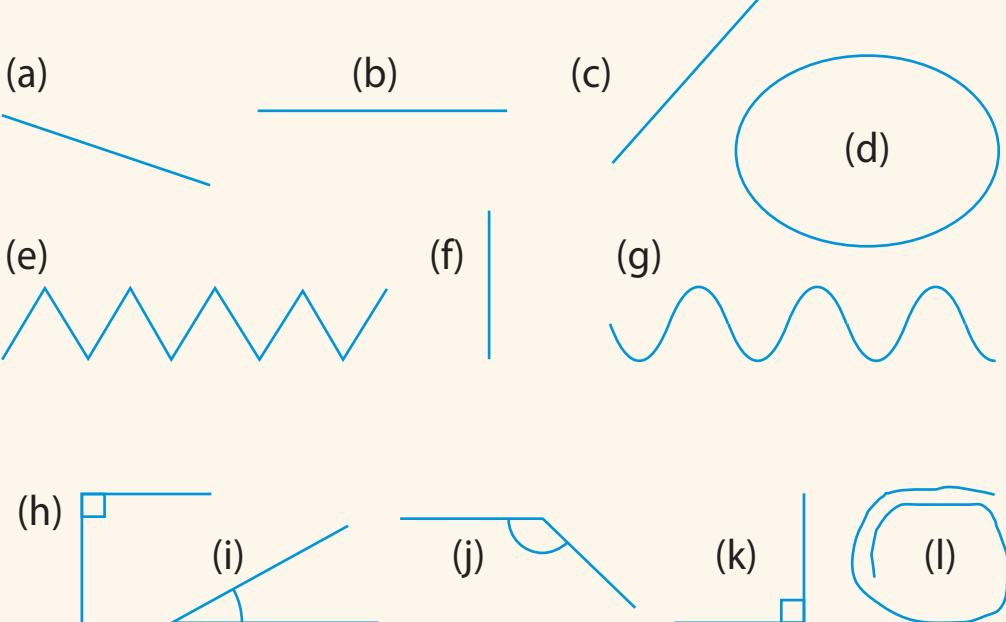


**Nsobanukiwe ko:**

- Imfuruka **igorotse** iruta imfuruka **ifunganye**
- Imfuruka **yagutse** iruta imfuruka **igorotse**
- Imfuruka **yagutse** iruta imfuruka **ifunganye**
- Imfuruka **ifunganye** irutwa n'imfuruka **igorotse**
- Imfuruka **ifunganye** irutwa n'imfuruka **yagutse**

## ISUZUMA RISOZA UMUTWE WA 10

1. Garagaza amazina n'ubwoko bw'imirongo n'imiruka



2. Subiza yego cyangwa oya

- (a) Imfuruka yagutse iruta imfuruka igorotse
- (b) Imfuruka yagutse irutwa n'imfuruka ifunganye
- (c) Imfuruka igorotse iruta imfuruka ifunganye

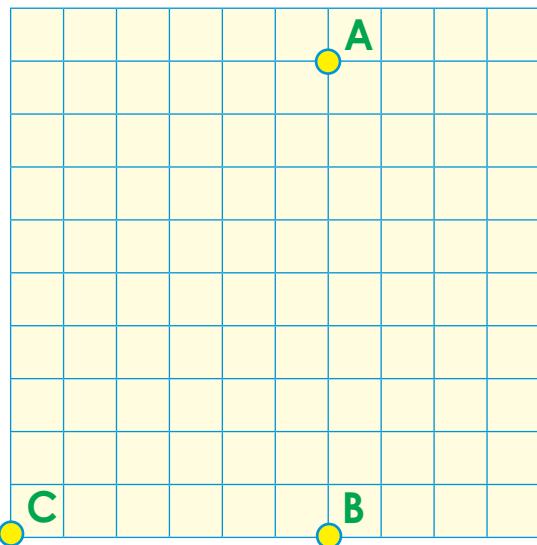
3. Shushanya

- (a) Imfuruka igorotse
- (b) Umurongo ufunze
- (c) Umurongo ugorotse uberamiye iburyo
- (d) Imfuruka yagutse
- (e) Umurongo uhagaze ugorotse
- (f) Imfuruka ifunganye
- (g) Umurongo ugorotse utambitse

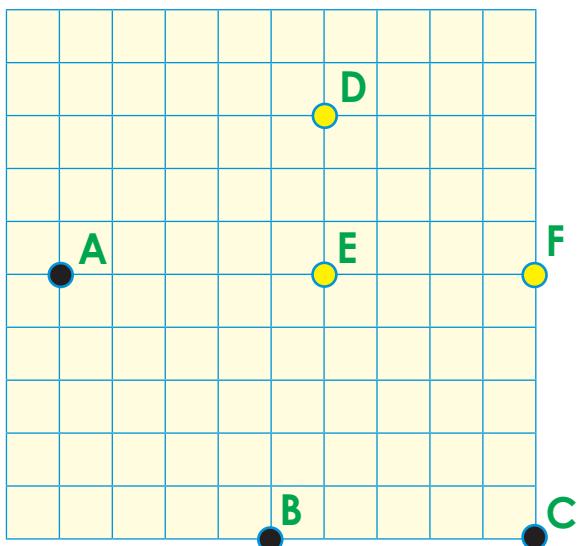
# Ikinyatuzu

## 0. Imyitotozo yo kwiyibutsa ikinyatuzu

- a) Huza A na B, B na C uvuge izina ry'imiruka ubonye
- b) Huza A na C, C na B uvuge izina ry'imiruka ubonye



- a) Huza A na B, B na C uvuge izina ry'imiruka ubonye
- b) Huza D na E, E na F uvuge izina ry'imiruka ubonye

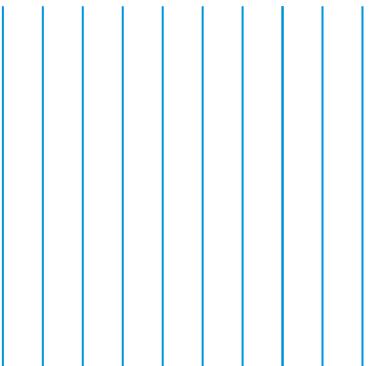


## 1. Ibiranga ikinyatuzu

### Igikorwa cya 1

Mwitegereze amashusho, muyaganireho.

Inkingi



Imbariro

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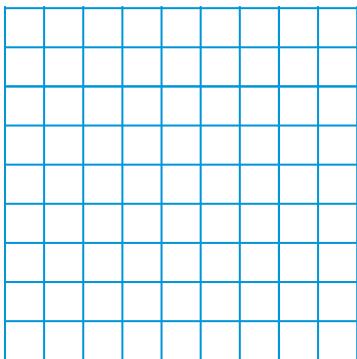
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Ikinyatuzu



#### Nsobanukiwe ko:

**Ikinyatuzu** kigizwe n'imirongo ihagaze yitwa **inkingi** hamwe n'imirongo itambitse yitwa **imbariro**.

## 2. Uko bubaka ikinyatuzu

### Igikorwa cya 1

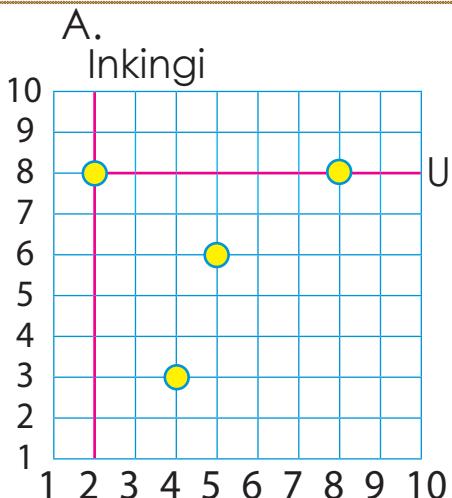
Ubaka ikinyatuzu kigizwe na:

- a) Inkingi 6
- b) Imbariro 6

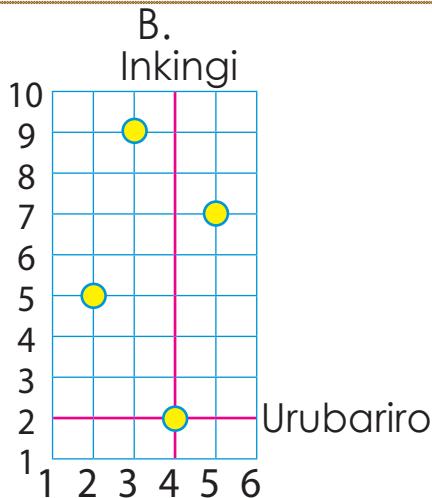
### 3. Uko bashyira akadomo mu kinyatuzu

#### Igikorwa cya 3

Mwitegerezze uko bashyira akadomo mu kinyatuzu, mubiganireho.



Urubariro



Urubariro

#### Igikorwa cya 4

Shyira akadomo mu kinyatuzu:

- Akadomo A ku ihuriro ry'inkingi ya 2 n'urubariro rwa 4
- Akadomo B ku ihuriro ry'inkingi ya 5 n'urubariro rwa 3

### 4. Kuranga akadomo mu kinyatuzu

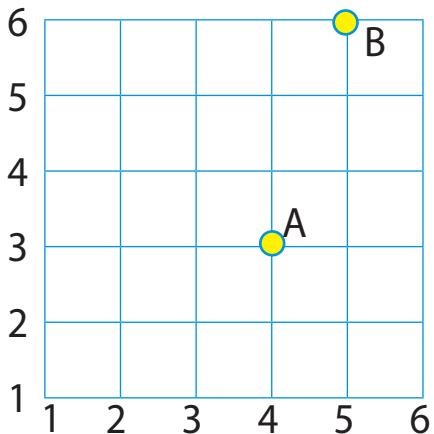
#### Igikorwa

Mukore ibi bikurikira:

- Mubare inkingi uko zikurikirana 1, 2, 3, 4, 5, 6
- Mubare imbariro uko zikurikirana 1, 2, 3, 4, 5, 6

#### Urugero:

- Erekana akadomo ku ihuriro ry'inkingi ya 4 n'urubariro rwa 3. Ako kadomo kite A
- Erekana akadomo ku ihuriro ry'inkingi ya 5 n'urubariro rwa 6. Ako kadomo kite B.



### Nsobanukiwe ko:

Iyo barangaa akadomo kari mu kinyatuzu bahera ku nkingi bajya ku rubariro.

### Urugero:

Akadomo A kari ku nkingi ya 4 n'urubariro rwa 3

### Igikorwa

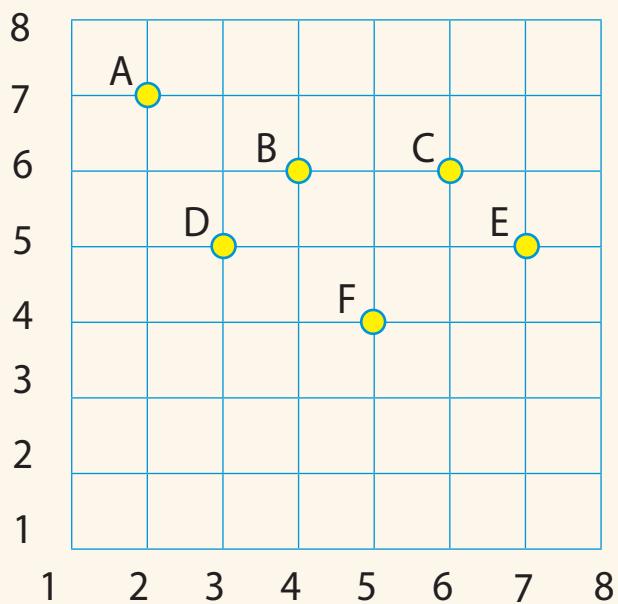
Mukore ibi bikurikira

1. Mushushanye ikinyatuzu k'inkingi 5 n'imbariro 5
2. Murange akadomo:
  - a) ku nkingi ya 3 n'urubariro rwa 4
  - b) ku nkingi ya 4 n'urubariro rwa 5
  - c) ku nkingi ya 2 n'urubariro rwa 3
3. Mushushanye ikinyatuzu k'inkingi 7 n'imbariro 7
4. Mushushanye ikinyatuzu k'inkingi 8 n'imbariro 8  
 Mwerekane akadomo ku ihuriro ry'inkingi ya 5 n'urubariro rwa 4. Ako kadomo kite A  
 Mwerekane akadomo ku ihuriro ry'inkingi ya 7 n'urubariro rwa 6. Ako kadomo kite B

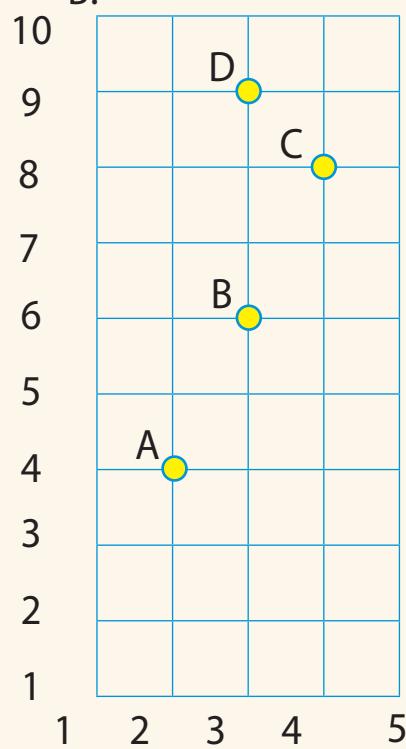
## ISUZUMA RISOZA UMUTWE WA 11

- 1.a Ubaka ikinyatuzu kigizwe n'inkingi 10 n'imbariro 10.
- b Shyira utudomo ku:
  - (a) Urubariro rwa 3 n'inkingi ya 7
  - (b) Urubariro rwa 8 n'inkingi ya 10
  - (c) Urubariro rwa 5 n'inkingi ya 9
  - (d) Urubariro rwa 7 n'inkingi ya 8
  - (e) Urubariro rwa 4 n'inkingi ya 6
  - (f) Urubariro rwa 6 n'inkingi ya 10
2. Ranga aho utudomo duherereye kuri ibi binyatuzu

A.



B.



# Kare, urukiramende na mpandeshatu

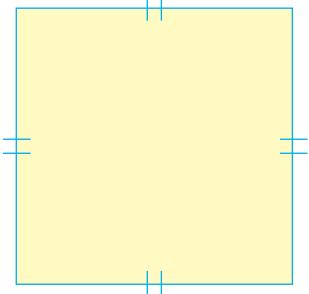
## 1. Kare

### (a) Ibiranga kare

#### Igikorwa cya 1

Mwitegereze aya mashusho, mupime uburebure bw'impande, maze muvuge uko impande n'mfuruka zayo zimeze.

a.



b.



#### Nsobanukiwe ko:

**Kare** igira impande 4 zingana n'mfuruka 4 zigororotse.

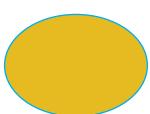
#### Igikorwa cya 2

Mu mashusho akurikira mugaragaze Kare, muvuge impamvu ari yo mwahisemo:

1



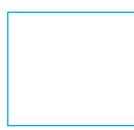
2



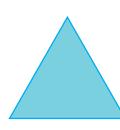
3



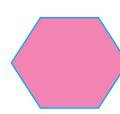
4



5



6



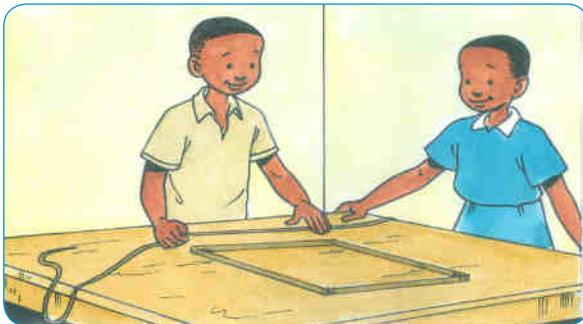
#### Igikorwa cya 3

Mwifashishije urupapuro, mukore ishuho ya kare ifite cm 10 z'uruhande muyikate hanyuma muyereke bagenzi banyu.

## (b) Umuzenguruko wa kare

### Igikorwa cya 4

Mwitegereze ishusho, 7 muvuge ibiri gukorwa :



### Igikorwa cya 5

Mukore ibi bikurikira hanyuma muvuge ibyo mubonye:

- Mushushanye kare ifite cm 20 z'uruhande.
- Muyizengurutseho akagozi mugakate.
- Mupime buri ruhande mukoresheje agacamurongo muteranya ku rundi kugeza murangije impande 4.
- Muteranye uburebure bw'impande enye.
- Mupime n'uburebure bwa wa mugozi maze mubigereranye.

### Nsobanukiwe ko:

**Umuzenguruko** wa Kare ungana n'igiteranyo  
cy'uburebure bw'impande 4.

### Urugero:

Shaka umuzenguruko wa kare ifite cm 23 z'uruhande.

### Igisubizo:

Uburyo bwa 1 : Umuzenguruko

$$= \text{cm}23 + \text{cm}23 + \text{cm}23 + \text{cm}23 = \text{cm}92$$

Uburyo bwa 2: **Umuzenguruko = cm23 × 4 = cm92**

## Igikorwa cya 6

Mukore ibi bikurikira mukurikije urugero mwahawewe:

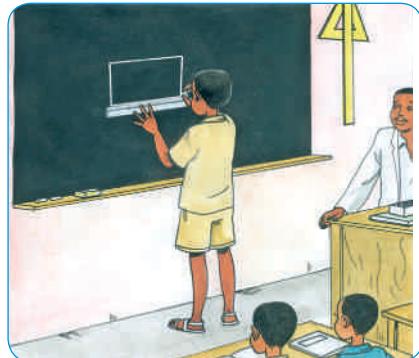
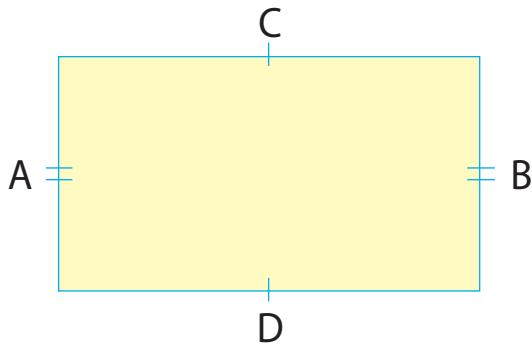
1. Shaka umuzenguruko wa kare ifite:  
(a) cm 40 z'uruhande      (c) dm 50 z'uruhande  
(b) m 60 z'uruhande
2. Shaka umuzenguruko w'ikibanza cya kare gifite uruhande rupima m30.
3. Mushake umuzenguruko w'idirishya rya kare rifite uruhande rwa cm 72.

## 2. Urukiramende

### (a) Ibiranga urukiramende

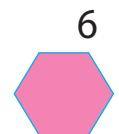
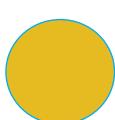
#### Igikorwa cya 1

Mwitegereze amashusho, mupime uburebure bw'impande, maze muvuge uko mubona impande n'imfuruka zayo zimeze .



#### Igikorwa cya 2

Mu mashusho akurikira mwerekane urukiramende:



## Nsobanukiwe ko:

**Urukiramende** rufite impande 4, ebyiri ebyiri ziteganye zirangana. Rufite imfuruka enye zigororotse. Impande ndende zitwa **uburebure**. Impande ngufi zitwa **ubugari**.

### Igikorwa cya 3

Mwifashishije urupapuro, mukore ishusho y'urukiramende, muyikate muyereke bagenzi banyu.

### (b) Gushaka umuzenguruko w'urukiramende

#### Igikorwa cya 4

Mwitegerezze ishusho, muvuge ibiri gukorwa :



#### Igikorwa cya 5

Mukore ibi bikurikira, hanyuma muvuge ibyo mubonye:

- Mushushanye urukiramende rufite cm 30 z'uburebure na cm 25 z'ubugari.
- Muruzengurutseho akagozi mugakate.
- Noneho mupime buri ruhande mukoresheje agacamurongo.
- Muteranye ibipimo by'izo mpande uko ari 4. maze mugereranye uburebure bw'umugozi n'ubw'impande mwapimye.

## Igikorwa cya 6

- 1 Shaka umuzenguruko w'urukiramende ukurikije urugero wahawe.

### Urugero:

Shaka umuzenguruko w'urukiramende rufite:

Uburebure bwa cm8 n'ubugari bwa cm4

### Igisubizo:

#### Uburyo bwa 1:

$$\begin{aligned}\text{Umuzenguruko} &= \text{cm } 8 + \text{cm } 8 + \text{cm } 4 + \text{cm } 4 \\ &= \text{cm } 24\end{aligned}$$

#### Uburyo bwa 2:

$$\text{Umuzenguruko} = (\text{cm } 8 + \text{cm } 4) \times 2 = \text{cm } 24$$

- a) Uburebure: cm 12 ubugari: cm 7  
b) Uburebure: cm 40 ubugari: cm 25  
c) Uburebure: cm 30 ubugari: cm 12
2. Shaka umuzenguruko w'umurima ufite ishusho y'urukiramende rwa m 60 z'uburebure na m 30 z'ubugari.

### Nsobanukiwe ko:

Tubonye ko **umuzenguruko** ungana n'igiteranyo k'impande zose,

#### Uburebure inshuro 2 n'ubugari inshuro 2.

Bivuze ko ushobora guteranya uburebure (L)  
n'ubugari (l) ugakuba kabiri.

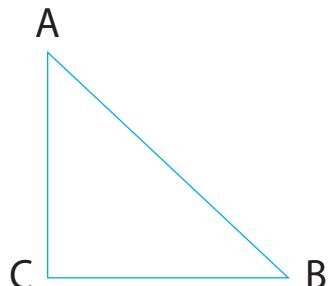
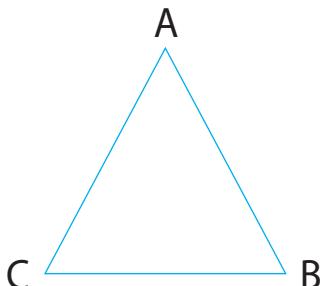
Mu mpine, umuzenguruko = L + L + l + l = (L + l) × 2

### 3. Mpandeshatu

#### (a) Ibiranga mpandeshatu

##### Igikorwa cya 1

Mwitegereze amashusho, muvuge ibyo mubona.



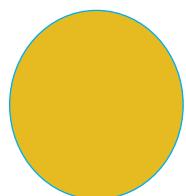
##### Igikorwa cya 2

1. Mu mashusho akurikira, mugaragaze mpandeshatu.

1



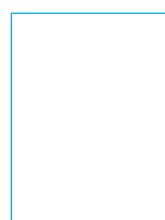
2



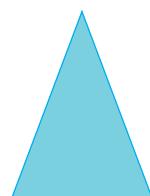
3



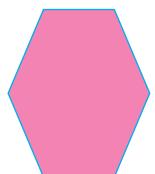
4



5



6



2. Mushake ibintu bifite ishusho ya mpandeshatu biri mu ishuri ryanyu.

##### Nsobanukiwe ko:

**Mpandeshatu** ari ishusho ifite impande 3 n'имвурука  
eshatu

### Igikorwa cya 3

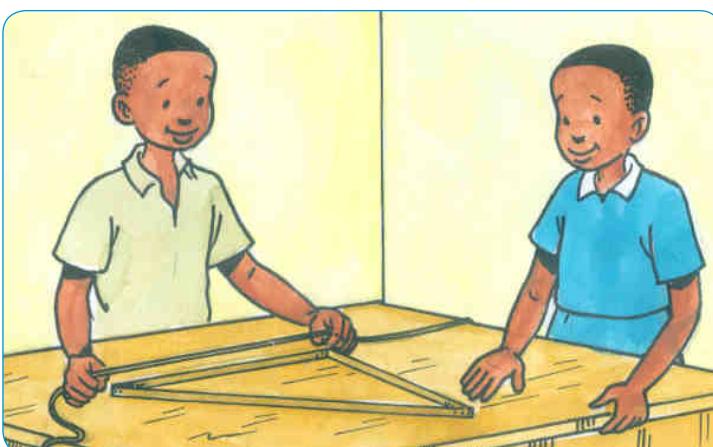
Mukore amashusho ya mpandeshatu, mu rupapuro muyakate, muyereke bagenzi banyu.

### (b) Gushaka umuzenguruko wa mpandeshatu

### Igikorwa cya 4

Mukore ibi bikurikira, hanyuma muvuge ibyo mubonye:

- Mupime buri ruhande
- Muteranye ibyo mubonye



### Nsobanukiwe ko:

**Umuzenguruko** wa mpandeshatu ugizwe n'igiteranyo k'impande zose.

### Urugero:

Shaka umuzenguruko wa mpandeshatu ifite impande: cm 30, cm 25 na cm 35

### Igisubizo:

**Umuzenguruko:  $cm\ 30 + cm\ 25 + cm\ 35 = cm\ 90$**

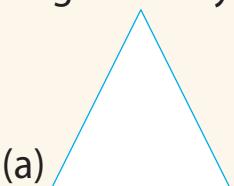
## Igikorwa cya 5

Mushake umuzenguruko wa mpandeshatu zifite impande zikurikira:

- a) cm 15, cm 15, cm 15
- b) dm 27, dm 60, dm 30
- c) cm 42, cm 24 na cm 38

## ISUZUMA RISOZA UMUTWE WA 12

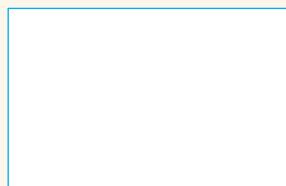
1. Vuga izina rya buri shusho



(a)



(b)



(c)

2. Subiza yego cyangwa oya

- (a) Kare igira impande enye zingana.
- (b) Impande ngufi z'urukiramende bazita uburebure.
- (c) Urukiramende rugira imfuruka enye zigororotse.
- (d) Kare igira imfuruka enye zifunganye.
- (e) Urukiramende rugira impande eshatu ebyiri ebyiri ziteganye zingana.
- (f) Impande ndende z'urukiramende bazita ubugari.
- (g) Mpandeshatu ifite impande enye n'imfuruka eshatu.

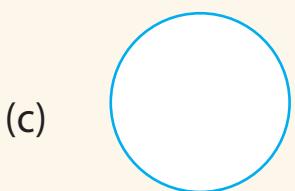
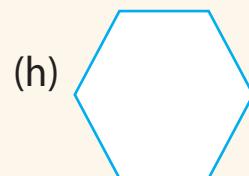
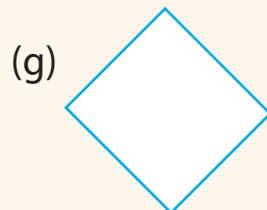
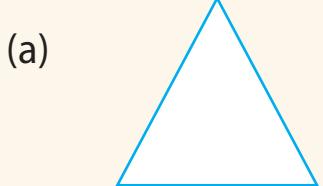
3. Shaka umuzenguruko wa:

- (a) Kare ifite uruhande rupima cm 12
- (b) Urukiramende rufite cm 12 z'uburebure na cm 8 z'ubugari
- (c) Mpandeshatu ifite cm 7, cm 8 na cm 9 z'uruhande

4. Andika 1 ahari kare

Andika 2 ahari urukiramende

Andika 3 ahari mpandeshatu



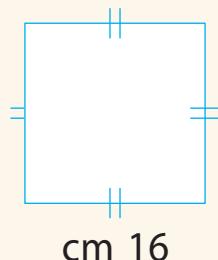
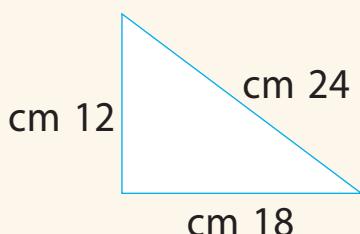
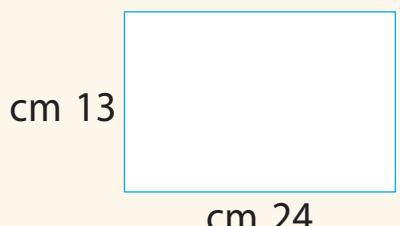
5. Shaka umuzenguruko w'umurima wa:

(a) Kare ufile m 80 z'uruhande.

(b) Urukiramende ufile m 54 z'uburebure na m 40 z'ubugari.

(c) Mpandeshatu ufile m 25, m 27 na m 30.

6. Shaka umuzenguruko w'aya mashusho

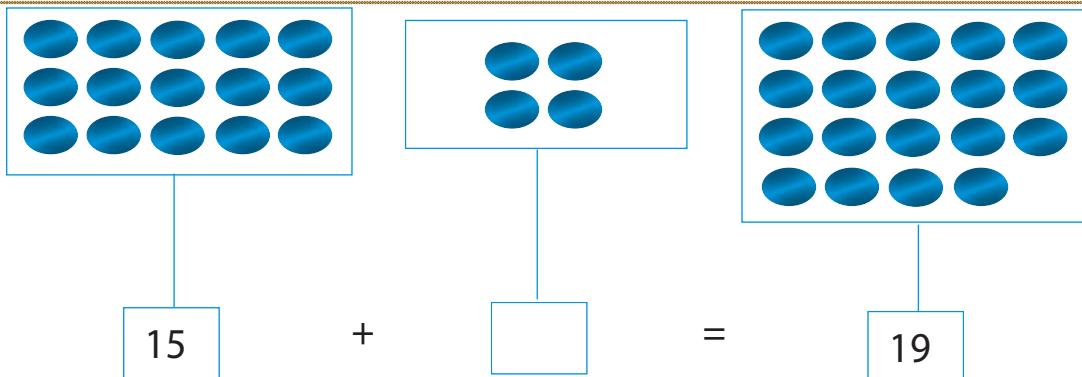


# Umubare ubura mu iteranya, ikuramo, ikuba n'igabanya ry'imibare

## 1. Guteranya no gukuramo utahura umubare ubura

### Igikorwa cya 1

Mwitegerezze ishusho, mwuzuze umubare ubura muvuge uko mwawubonye.



### Igikorwa cya 2

Mutahure umubare ubura.

a)  $15 + \boxed{\quad} = 23$

d)  $34 + \boxed{\quad} = 55$

b)  $24 + \boxed{\quad} = 40$

e)  $49 + \boxed{\quad} = 60$

c)  $45 + \boxed{\quad} = 79$

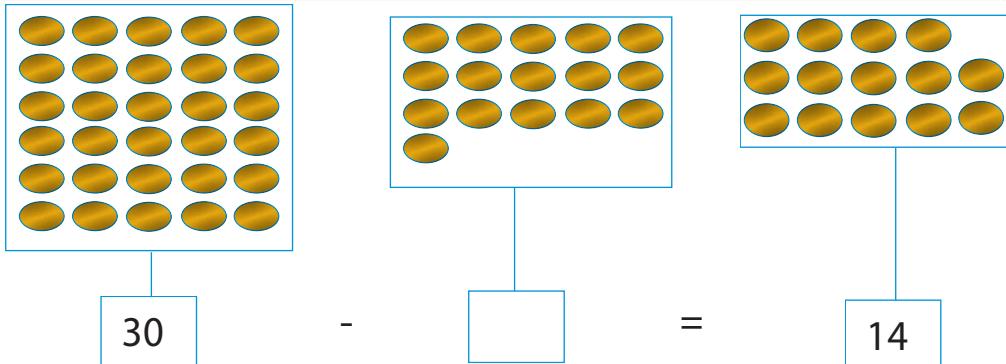
f)  $71 + \boxed{\quad} = 99$

### Nsobanukiwe ko:

Iyo ushaka umubare ubura mu iteranya ry'imibare ibiri, ufata igisubizo ugakuramo umubare baguhaye.

### Igikorwa cya 3

Mwitegerezze ishusho mwuzuze umubare ubura,  
muvuge uko mwawubonye.



### Igikorwa cya 4

Mutahure umubare ubura.

a)  $39 - \boxed{\quad} = 19$

d)  $39 - \boxed{\quad} = 11$

b)  $45 - \boxed{\quad} = 30$

e)  $74 - \boxed{\quad} = 24$

c)  $62 - \boxed{\quad} = 38$

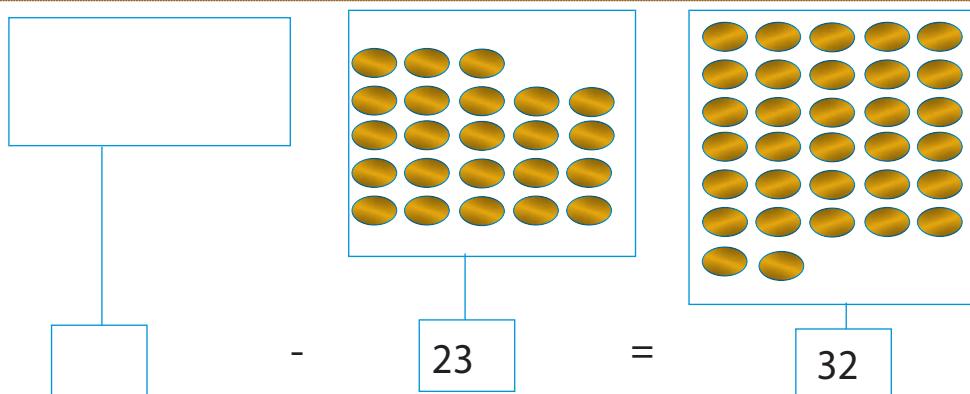
f)  $47 - \boxed{\quad} = 27$

### Nsobanukiwe ko:

Iyo ushaka umubare ubura mu ikuramo ry'imibare  
ibiri, ufata umubare baguhaye ugakuramo igisubizo  
baguhaye.

### Igikorwa cya 5

Mwitegerezze ishusho, mwuzuze umubare ubura,  
muvuge uko mwawubonye.



## Igikorwa cya 6

Mutahure umubare ubura.

a)  $\boxed{\quad} - 39 = 61$

c)  $\boxed{\quad} - 64 = 27$

b)  $\boxed{\quad} - 54 = 87$

d)  $\boxed{\quad} - 72 = 90$

## Nsobanukiwe ko:

Iyo ushaka umubare ubura ari wo ubanza, uteranya igisubizo n'umubare baguhaye.

## Igikorwa cya 7

Mutahure imibare ibura muhereye ku rugero mwahawe.

### Urugero rwa 1

$$\begin{array}{r} 726 \\ + 1\boxed{7}3 \\ \hline 899 \end{array} \rightarrow 9 - 2 = 7$$

### Urugero rwa 2

$$\begin{array}{r} 4\boxed{8}8 \\ - 172 \\ \hline 316 \end{array} \rightarrow 7 + 1 = 8$$

a)  $406$

$$\begin{array}{r} 37\boxed{8} \\ + \underline{7} \\ \hline 779 \end{array}$$

d)  $9\boxed{8}9$

$$\begin{array}{r} 662 \\ - \underline{327} \\ \hline \end{array}$$

g)  $\boxed{8}2$

$$\begin{array}{r} 917 \\ - \underline{99} \\ \hline \end{array}$$

j)  $37\boxed{8}$

$$\begin{array}{r} 625 \\ + \underline{997} \\ \hline \end{array}$$

b)  $275$

$$\begin{array}{r} 5\boxed{4} \\ + \underline{779} \\ \hline \end{array}$$

e)  $997$

$$\begin{array}{r} 76 \\ - \underline{421} \\ \hline \end{array}$$

g)  $\boxed{8}24$

$$\begin{array}{r} 662 \\ + \underline{986} \\ \hline \end{array}$$

k)  $314$

$$\begin{array}{r} 49\boxed{8} \\ + \underline{809} \\ \hline \end{array}$$

c)  $937$

$$\begin{array}{r} 8\boxed{6} \\ + \underline{101} \\ \hline \end{array}$$

f)  $342$

$$\begin{array}{r} 35 \\ + \underline{777} \\ \hline \end{array}$$

i)  $674$

$$\begin{array}{r} 3\boxed{2} \\ - \underline{372} \\ \hline \end{array}$$

l)  $874$

$$\begin{array}{r} 65\boxed{8} \\ - \underline{221} \\ \hline \end{array}$$

## 2. Gukuba no kugabanya utahura umubare ubura

### Igikorwa

Tahura umubare ubura ukurikije urugero wahawe.

#### Urugero:

- a)  $\boxed{3} \times 4 = 12 \rightarrow (12 \div 4 = 3)$
- b)  $5 \times \boxed{4} = 20 \rightarrow (20 \div 5 = 4)$
- c)  $\boxed{27} \div 3 = 9 \rightarrow (9 \times 3 = 27)$
- d)  $15 \div \boxed{5} = 3 \rightarrow (15 \div 3 = 5)$

- a)  $\boxed{\quad} \times 3 = 15$
- d)  $4 \times \boxed{\quad} = 20$
- g)  $6 \times \boxed{\quad} = 36$
- b)  $3 \times \boxed{\quad} = 48$
- e)  $4 \times \boxed{\quad} = 28$
- h)  $\boxed{\quad} : 6 = 6$
- c)  $\boxed{\quad} : 3 = 9$
- f)  $\boxed{\quad} : 4 = 8$
- i)  $\boxed{\quad} : 5 = 7$

### Nsobanukiwe ko:

- Iyo utahura umubare ubura harimo ikimenyetso cyo ( $\times$ ) ufata igisubizo ukakigabanya n'umubare baguhaye.
- Iyo utahura umubare ubura harimo ikimenyetso cyo kugabanya ( $:$ ) ufata igisubizo ukagikuba n'umubare baguhaye.



#### Reka nkore



- a)  $\boxed{\quad} : 2 = 24$
- d)  $4 \times \boxed{\quad} = 88$
- g)  $\boxed{\quad} : 3 = 33$
- b)  $6 \times \boxed{\quad} = 48$
- e)  $\boxed{\quad} \times 3 = 99$
- h)  $5 \times \boxed{\quad} = 55$
- c)  $\boxed{\quad} : 5 = 61$
- f)  $69 : \boxed{\quad} = 23$
- i)  $\boxed{\quad} : 6 = 31$

### 3. Urukurikirane rw'imibare

#### (a) Gushaka intera idahinduka yakoreshejwe

Igikorwa cya 1

Mushake intera idahinduka yakoreshejwe mu rukurikirane rw'imibare muhereye kuri uru rugero.

**Urugero:**

- a) 45, 60, 75, 90

Intera idahinduka  $\rightarrow 60-45 = 15$ ,  $75-60 = 15$ ,  
 $90-75 = 15$ .

Ubwo intera idahinduka ni 15

- b) 165, 155, 145, 135

Intera idahinduka  $\rightarrow 165 - 155 = 10$ ,  $155 - 145 = 10$ ,  
 $145 - 135 = 10$

Ubwo intera idahinduka ni 10

- a) 18, 20, 22

- e) 999, 892, 785

- i) 15, 30, 45

- b) 75, 55, 35

- f) 400, 250, 100

- j) 900, 700, 500

- c) 12, 20, 28

- g) 105, 100, 95

- k) 600, 450, 300

- d) 100, 70, 40

- h) 23, 30, 37

- l) 150, 200, 250

**Nsobanukiwe ko:**

1. Iyo imibare ikurikiranye **ihereye ku muto ijya ku munini** intera idahinduka iri hagati y'imibare, uyibona ufata imibare ibiri ya mbere, umubare munini ukawukuramo umuto, ukabona umubare bagiye **bongeraho**.
2. Iyo imibare ikurikiranye uhoreye **ku munini ujya ku muto** kandi intera iri hagati y'imibare idahinduka, ufata imibare ibiri ya mbere ugafata umubare munini ukawukuramo umuto ukabona umubare **bagiye bakuraho**.

## (b) Gushaka umubare ubura mu rukurikirane rw'imibare

### Igikorwa cya 2

Mwuzuze uru rukurikirane rw'imibare

- |   |   |
|---|---|
| a) 25, 35, 45, <input type="text"/> <b>65</b>               | i) 19, 30, 41, <input type="text"/> <input type="text"/>    |
| b) 18, 25, 32, <input type="text"/> <b>46</b>               | j) 55, 70, 85, <input type="text"/> <input type="text"/>    |
| c) 25, 50, 75, <input type="text"/> <b>125</b>              | k) 100, 150, 200, <input type="text"/> <input type="text"/> |
| d) 10, 20, 30, <input type="text"/> <b>50</b>               | l) 32, 40, 48, <input type="text"/> <input type="text"/>    |
| e) 11, 22, 33, <input type="text"/> <b>55</b>               | m) 32, 64, 96, <input type="text"/> <input type="text"/>    |
| f) 60, 75, 90, <input type="text"/> <input type="text"/>    | n) 250, 200, 150, <input type="text"/> <input type="text"/> |
| g) 100, 85, 70, <input type="text"/> <input type="text"/>   | o) 700, 600, 500, <input type="text"/> <b>300</b>           |
| h) 148, 140, 132, <input type="text"/> <input type="text"/> | p) 115, 105, 95, <input type="text"/> <input type="text"/>  |



### Reka nkore



1. Shaka imibare ibura
  - a) 200, 150, 100,
  - b) 800, 600, 400,
  - c) 150, 300, 450,
  - d) 225, 200, 175,
2. Shaka intera idahinduka yakoreshejwe mu ruhererekane rw'imibare ikurikira:
  - a) 100, 85, 70, 55. Interia idahinduka ni ....
  - b) 22, 40, 58, 76. Interia idahinduka ni ....
  - c) 93, 80, 67, 54 Interia idahinduka ni ....

## ISUZUMA RISOZA UMUTWE WA 13

1. Uzuzamo umubare ubura

- (a)  $\square + 950 = 999$
- (b)  $653 + \square = 785$
- (c)  $\square - 357 = 421$
- (d)  $935 - \square = 624$
- (e)  $\square \times 6 = 48$
- (f)  $5 \times \square = 25$

2. Shaka intera idahinduka yakoreshejwe

- (a) 25, 30, 35, 40, 45
- (b) 100, 150, 200, 250, 300
- (c) 95, 87, 79, 71, 63.
- (d) 125, 100, 75, 50, 25

3. Uzuzamo imibare ibura

(a) $\begin{array}{r} 4 \square 6 \\ + 492 \\ \hline 898 \end{array}$	(b) $\begin{array}{r} 98 \square \\ - 566 \\ \hline 423 \end{array}$	(c) $\begin{array}{r} 6 \square \\ \times 6 \\ \hline 366 \end{array}$
---	--	--

4. Erekana umubare ubura

- (a) 48, 54, 60,  $\square$ ,  $\square$ , 78
- (b) 81, 72, 63,  $\square$ , 45,  $\square$
- (c) 95, 105, 115,  $\square$ ,  $\square$ ,  $\square$
- (d) 900, 800, 700,  $\square$ , 500,  $\square$
- (e) 375, 400, 425,  $\square$ , 475,  $\square$
- (f) 675, 690, 705,  $\square$ ,  $\square$ , 750
- (g) 840, 820, 800,  $\square$ , 760,  $\square$

# Ibishushanyo byifashishwa mu kubara

## 1. Gukora amatsinda y'ibintu ukoresheje igishushanyo

Igikorwa

Mwitegerezze amashusho, mubare ibisa maze  
mubiganireho.

10					
9					
8					
7					
6					
5					
4					
3					
2					
1					

## 2. Gusesengura ibishushanyo byifashishwa mu mibare

### Igikorwa

Mwitegerezze, muvuge umubare uringaniye na buri gashusho.

10					
9					
8					
7					
6					
5					
4					
3					
2					
1					

### Nsobanukiwe ko:

- Utubabi 2 turinganiye n'umubare 2
- Ibitabo 9 Biringaniye n'umubare 9
- Imodoka 4 ziringaniye n'umubare 4
- Bombo 9 ziringaniye n'umubare 9
- Amacunga 10 aringaniye n'umubare 10



## Reka nkore



1. Mwitegerezze ibishushanyo bikurikira, mushyire hamwe ibisa, mwerekane umubare wabyo, kandi mubitondeke mu buryo buhagaze.



2. Mukore igishushanyo kifashishwa mu kubara mushyireho:
  - a) Amakaramu 6
  - b) Imineke 9
  - c) Amacunga 5
  - d) Ibiti 3

## ISUZUMA RISOZA UMUTWE WA 14

1. Itegereze iki gishushanyo usubize ibibazo

6								
5								
4								
3								
2								
1								

- a) Harabura uturabo tungahe ngo turinganire n'umubare 4?
  - b) Inanasi ziringaniye n'uwuhe mubare?
  - c) Harabura ingofero zingahe ngo zibe ingofero 6?
  - d) Ku gishushanyo hariho inyanya zingahe?
2. Kora igishushanyo kifashishwa mu kubara maze ushyireho: Ikayi 1, imipira 5, ibikombe 3, uturabo 2 n'ibibabi 6.

6					
5					
4					
3					
2					
1					

## ISUZUMA RISOZA UMWAKA

1. Andika mu mibare cyangwa mu magambo
  - (a) Magana ane na mirongo ikenda na gatanu:
  - (b) 979:
  - (c) Magana atanu na mirongo irindwi n'ikenda:
  - (d) 793:
2. Sesengura ibinyabumwe, ibinyacumi n'ibinyajana:
  - (a) 395: (b) 921:
3. Andika umubare wasesenguwe
  - (a)  $j \ 6 \ b \ 9 \ c \ 4 =$  (b)  $b \ 9 \ j \ 9 \ c \ 7 =$  (c)  $b \ 3 \ c \ 5 \ j \ 9 =$
4. Koresha  $<$ ,  $>$  na  $=$ 
  - (a)  $324 \ \boxed{\quad} \ 342$  (c)  $970 \ \boxed{\quad} \ 907$
  - (b)  $325 \ \boxed{\quad} \ 325$  (e)  $561 \ \boxed{\quad} \ 165$
5. Tondeka uhereye ku mubare muto ujya ku munini
  - (a) 251, 125, 215, 152 (b) 309, 930, 390, 903
6. Tondeka uhereye ku mubare munini ujya ku muto
  - (a) 571, 175, 517, 157 (b) 923, 293, 932, 239
7. Teranya
  - (a)  $123 + 456 =$  (b)  $799 + 102 =$
  - (c)  $345 + 567 =$  (d)  $524 + 415 =$
8. Kuramo
  - (a)  $997 - 654 =$  (c)  $934 - 912 =$
  - (b)  $756 - 699 =$  (d)  $543 - 497 =$
9. Kuba
  - (a) 91 (b) 72 (c) 93 (d) 64 (e) 43  
 $\begin{array}{r} \times 6 \\ \hline \end{array}$        $\begin{array}{r} \times 4 \\ \hline \end{array}$        $\begin{array}{r} \times 3 \\ \hline \end{array}$        $\begin{array}{r} \times 2 \\ \hline \end{array}$        $\begin{array}{r} \times 2 \\ \hline \end{array}$

10. Gabanya iyi mibare

(a)  $996 : 2 =$

(c)  $975 : 5 =$

(b)  $792 : 3 =$

(d)  $648 : 4 =$

11. Uzurisha 10 cyangwa 100

(a)  $45 \times \boxed{\quad} = 450$

(b)  $7 \times \boxed{\quad} = 700$

(c)  $99 \times \boxed{\quad} = 990$

(d)  $9 \times \boxed{\quad} = 900$

12. Uzuza n'imibare ibura

(a) 945, 900, 855,  $\boxed{\quad}$ ,  $\boxed{\quad}$

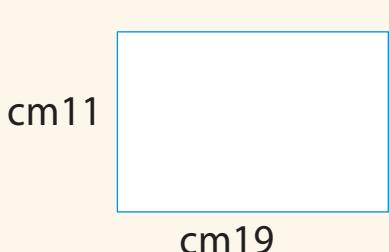
(b) 900, 700, 600,  $\boxed{\quad}$ ,  $\boxed{\quad}$

13. Uzuza izi mbonerahamwe

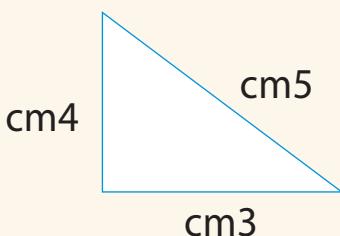
(a) $\times 2$	1	2	3	4	5	6	7	8	9	10
(b) $\times 3$	1	2	3	4	5	6	7	8	9	10
(c) $\times 4$	1	2	3	4	5	6	7	8	9	10
(d) $\times 5$	1	2	3	4	5	6	7	8	9	10
(e) $\times 6$	1	2	3	4	5	6	7	8	9	10

14. Shaka umuzenguruko w'ibi binyampande

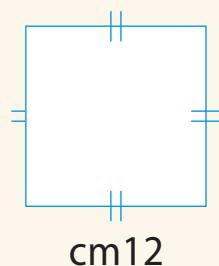
a)



b)

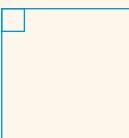


c)



15. Vuga amazina y'izi mfuruka

a)



b)



c)



d)



16. Kora iyi myitozo ku ngero

(a)  $dm\ 150 - dm\ 50 = m$

(b)  $dm\ 42 \times 4 = dm$

(c)  $dm\ 75 + dm\ 250 = m$

(d)  $\ell\ 121 \times 4 = \ell$

(e)  $kg\ 455 + kg\ 544 = kg$

(f)  $kg\ 715 - kg\ 673 = kg$

(g)  $\ell\ 245 + \ell\ 655 = \ell$

(h)  $m\ 4 = dm$    $= cm$

(i)  $m\ 2\ cm\ 8 = cm$

(j)  $cm\ 200 = dm$    $= m$

(k)  $cm\ 100 = m$    $= dm$

(l)  $F\ 1000 = F\ 500 + F$

(m)  $F\ 500 = F\ 100 + F$    $+ F\ 100 + F\ 100$

(n)  $F\ 100 = F\ 50 + F$

(o)  $F\ 50 = F\ 20 + F\ 20 + F$

17. Koresha  $>$ ,  $<$  cyangwa = ugereranye:

(a)  $m\ 4$    $dm\ 4$

(b)  $m\ 5\ cm\ 6$    $cm\ 506$

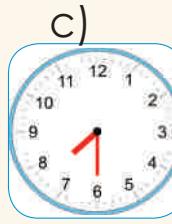
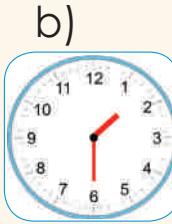
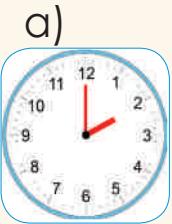
(c)  $dm\ 15\ cm\ 6$    $cm\ 156$

## 18. Itegereze iyi ndangaminsi usubize ibibazo

Ku wa Mbere	Ku wa Kabiri	Ku wa Gatatu	Ku wa Kane	Ku wa Gatanu	Ku wa Gatandatu	Ku Cyumweru
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- (a) Uku kwezi gufite iminsi ingahe?
- (b) Uku kwezi gufite iminsi yo ku wa Mbere ingahe?
- (c) Uku kwezi gufite iminsi yo ku wa Kabiri ingahe?
- (d) Uku kwezi gufite ibyumweru bingahe?
- (e) Uku kwezi kurangira ari ku wa kangahe?

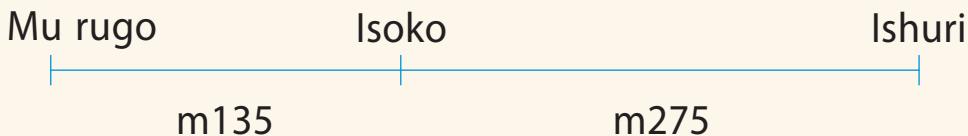
## 19. Itegereze amasaha akurikira maze uvuge igihe:



## 20. Amahurizo

- (a) Ku ishuri ryacu hari abanyeshuri 985 ariko 512 muri bo ni abakobwa. Shaka umubare w'abahungu.
- (b) Kalisa yateye ibiti 432 umwaka ushize. Uyu mwaka yateye 515. Shaka umubare w'ibiti yateye muri iyi myaka ibiri.
- (c) Kayiranga afite F1000 arashaka kuyaguramo isukari Kg1 igura F800. Azasigarana F angahe?

- (d) Butera afite F 500 kandi arashaka kugura agatabo kagura F 900. Ubwo arabura F angahe ngo akagure?
- (e) Uwamahoro yaguze inkoko 492 umwaka ushize. Uyu mwaka amaze kugura izindi 508. Shaka igiteranyo k'inkoko amaze kugura.
- (f) Mu rusengero hari imirongo 5 y'intebe. Kuri buri murongo hari intebe 101. Shaka umubare w'intebe ziri mu rusengero.
- (g) Gato yaguze isukari ku F800 n'umugati F100. Byose yabiguze angahe?
- (h) Naguze kg 225 z'umuceri nzigejeje mu rugo ngurishaho kg 95. Shaka kg nasigaranye.
- (i) Mu rugo dufite ikigega cyuzuye amazi gipima ₦550. Ejo nitumesa tuzameshesha ₦ 350. Hazasigara ₦zingahe?
- (j) Itegerezze iyi shusho y'umuhandu uva mu rugo ujya ku ishuri maze usubize.



- (1) Vuga uburebure buri hagati yo mu rugo no ku ishuri.
- (2) Vuga uburebure buri hagati yo mu rugo no ku isoko.
- (3) Vuga uburebure buri hagati yo ku isoko no ku ishuri.