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).

ISHAKIRO

Umutwe wa 1: Imibare kuva kuri 0 kugera kuri 200..... 1

Umutwe wa 2: Imibare kuva kuri 0 kugera kuri 500..... 49

Umutwe wa 3: Imibare kuva kuri 0 kugera ku 1000..... 88

Umutwe wa 4: Imigabane: $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}$ 122

Umutwe wa 5: Ingero z'uburebure: m, dm, na cm..... 133

Umutwe wa 6: Urugero fatizo rw'ibitembabuzi 'litiro' 149

Umutwe wa 7: Urugero fatizo rw'uburemere 'kg' 157

Umutwe wa 8: Amafaranga y'u Rwanda kuva ku F1 kugera ku F1000 171

Umutwe wa 9: Isaha, amezi y'umwaka, n'iminsi ya buri kwezi 190

Umutwe wa 10: Amoko y'imfuruka n'imirongo 205

Umutwe wa 11: Ikinyatuzu..... 215

Umutwe wa 12:. Kare, urukiramende na mpandeshatu 220

Umutwe wa 13: Umubare ubura mu iteranya, ikuramo, ikuba n'igabanya ry'imibare 229

Umutwe wa 14: Ibishushanyo byifashishwa mu kubara..... 236

Umutwe wa 1

Imibare kuva kuri 0 Kugera kuri 500

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

Igikorwa cya 4

Mutondeke muhereye ku mubare muto mujya ku munini.

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

Igikorwa cya 5

Mutondeke muhereye ku mubare munini mujya ku muto.

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

Igikorwa cya 6

Sesengura imibare ikurikira:

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

Igikorwa cya 7

Andika umubare wasesenguwe.

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

Igikorwa cya 8

Andika imibare yasesenguwe.

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

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 =
b) c 8 b 1 =
c) c 7 b 2 =
d) c 6 b 3 =
e) c 5 b 4 =
f) c 4 b 5 =
g) c 3 b 6 =
h) c 2 b 7 =
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 + 1	6 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 - 2	9 4
2	5

49 - 24 = 25

Igikorwa cya 13

Ifashishe utubarisho, wuzurishe imibare ibura.

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

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, ☐, ☐

b) 97, 92, 87, ☐, ☐

c) 42, 50, 58, ☐, ☐

d) 56, 50,44, ☐, ☐

e) 29, 25, 21, ☐, ☐

f) 87, 90, 93, ☐, ☐

g) 14, 19, 24, ☐, ☐

h) 35, 33, 31, ☐, ☐

i) 88, 90, 92, ☐, ☐

j) 73, 68, 63, ☐, ☐

k) 55, 61, 67, ☐, ☐

l) 71, 75, 79 , ☐, ☐

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.

100 110 ☐ 130 ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

Mwitegereze ishusho, namwe mukore urutonde rw'imibare kuva ku 100 kugera kuri 200.

Igikorwa cya 9

Uzuza imirongo y'ibara ikurikira:

a)

100 ☐ 120 ☐ 140 ☐ ☐ 170 ☐ ☐ ☐

b)

100 ☐ 102 ☐ 104 ☐ 106 ☐ 108 ☐ 110

c)

☐ 111 ☐ 113 ☐ 115 ☐ 117 ☐ 119 ☐

d)

☐ ☐ 122 ☐ 124 ☐ 126 ☐ 128 ☐ 130

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'iyo mwahawe.

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. Kugereranya 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) 130 < 140 b) 179 = 179 c) 155 > 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 ☐ 169

b) 118 ☐ 185

c) 127 ☐ 127

d) 136 ☐ 167

e) 145 ☐ 158

f) 163 ☐ 131

g) 122 ☐ 122

h) 181 ☐ 113

i) 190 ☐ 104

j) 101 ☐ 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

Mwitegereze 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
b) 135, 184, 200
c) 197, 100, 151
d) 145, 182, 123
e) 142, 173, 165
f) 109, 199, 137
g) 147, 179, 152
h) 128, 109. 168
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 uhereye 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 uhereye 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 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 + ☐ = 142
b) 155 + ☐ = 178
c) 166 + ☐ =186
d) 101 + ☐ = 164
e) 103 + ☐ = 156
f) 100 + ☐ = 138
g) 127 + ☐ = 147
h) 118 + ☐ = 159
i) 105 + ☐ =156
j) 134 + ☐ =178
k) 162 + ☐ =196
l) 112 + ☐ =146

Igikorwa cya 6

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

A.	121	132	114	102	153	162
B.	41	45	62	71	22	34
C.	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 wahawe.

Urugero:

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

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

Reka nteranye

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

3. Iteranya ribitsa

Igikorwa cya 8

Itegereze, ubare, maze uteranye imibare iri mu mbonerahamwe

Urugero:

8	+	4	=	12
OOOO OOOO		OO OO		OOOOO OOOOO OO

12 = 10 + 2

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

12 = 10 + 2, twandika ibinyabumwe 2 tukabitsa 10 mu mwanya w'ibinyacumi

Reka nkore

a) 125 + 67 =
b) 134 + 48 =
c) 146 + 29 =
d) 136 + 42 =
e) 104 + 64 =
f) 126 + 72 =
g) 117 + 75 =
h) 154 + 28 =
i) 165 + 28 =
j) 174 + 21 =
k) 156 + 39 =
l) 146 + 48 =
m) 171+ 28 =
n) 185+ 15 =
o) 192+ 8 =
p) 116 + 59 =
r) 123 + 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 =
b) 77 + 96 =
c) 139 + 43 =
d) 85 + 46 =
e) 137 + 26 =
f) 88 + 45 =
g) 149 + 36 =
h) 73 + 49 =
i) 89 +27 =
j) 65 + 108 =
k) 34 + 98 =
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.

200

10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	⊘
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	~~10~~

190

Urugero: 200 – 10 = 190

a) 190 – 10 =
b) 180 – 10 =
c) 170 – 10 =
d) 160 – 10 =
e) 150 – 10 =
f) 140 – 10 =
g) 130 – 10 =
h) 120 – 10 =
i) 110 – 10 =
j) 100 – 10 =
k) 90 – 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 = ☐ – 24
b) 120 = ☐ – 58
c) 115 = ☐ – 40
d) 150 = 175 – ☐
e) 155 =195 – ☐
f) 130 = 178 – ☐
g) 187 – ☐ = 47
h) 166 – ☐ = 140
i) 174 – ☐ =124
j) ☐ – 78 = 120
k) ☐ – 36 = 162
l) ☐ – 125 = 52

Igikorwa cya 4

Mwifashishe amakarita yanditeho imibare n'ariho ibimenyetso bya [-], [=]

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 [-]
- Mukurikizeho ikarita yo muri B
- Mukurikizeho ikarita iriho ikimenyetso cya [=]
- Muhitemo igisubizo mu makarita yo muri C

Urugero: 121 — 21 = 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 =
b) 187 – 51 =
c) 189 – 16 =
d) 165 – 62 =
e) 156 – 45 =
f) 196 – 56 =
g) 189 – 77 =
h) 164 – 22 =
i) 193 – 131 =

3. Ikuramo ritira

Igikorwa cya 6

Mwitegereze urugero, muganira ku byakozwe.

Uburyo bwa mbere

25 - 9 = 16

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 b10 + b5 = b15, ndafata 15 - 9 = 6 hanyuma manure ikinyacumi 1.

Igikorwa cya 7

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

Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
0 ~~1~~ – ↓	10 + 0 ~~1~~ 4	10 + 2 5
0	6	7

a) 152 – 47 =

b) 171 – 57 =

c) 196 – 72 =

d) 192 –164 =

e) 139 – 117 =

f) 143 – 48 =

g) 145 – 28 =

h) 131 – 129 =

i) 174 – 138 =

j) 178 – 139 =

k) 164 – 39 =

l) 165 – 58 =

m) 182 – 156 =

n) 129 – 76 =

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 dukurikije 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 X 1=2

2 X 2=4

2 X 3=6

2 X 4=8

2X 5=10

2X 6=12

2 X 7=14

2 X 8=16

2 X 9=18

2 X 10=20

Igikorwa cya 2

Uzurisha imibare ibura.

a) 2=2 × ☐
b) 4=2 × ☐
c) 6= 2 × ☐
d) 8= ☐ × 2
e) 10= 2 × ☐
f) 12= ☐ × 2
g) 14= 2 × ☐
h) 16= ☐ × 2
i) 18= 2 × ☐
j) 20= ☐ × 2

Reka nkore

1. Uzuza umubare ubura

a)

x2	0	1	2	3	4	5	6	7	8	9	10
	...	...	...	...	...	...	...	...	...	...	...

b)

2. Uzuza iyi mbonerahamwe

c)

x2	0	...	2	...	4	...	6	...	8	...	10	:2
	...	2	...	6	...	10	...	14	...	18	...	

3. Gereranya

a) 10+10 ☐ 2 x 10

b) 5 + 5 ☐ 2 x 5

c) 9 + 9 ☐ 2 x 9

d) 4 + 4 ☐ 2 x 4

e) 8 + 8 ☐ 2 x 8

f) 3 + 3 ☐ 2 x 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 x 11 =
b) 2 x 12 =
c) 2 x 13 =
d) 2 x 14 =
e) 2 x 20 =
f) 2 x 21 =
g) 2 x 22 =
h) 2 x 23 =
i) 2 x 30 =
j) 2 x 31 =
k) 2 x 32 =
l) 2 x 33 =

Nsobanukiwe ko:

Iyo ukuba imibare, uhera ku 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)

:2 =

b)

:2 =

c)

:2 =

d)

:2 =

e)

:2 =

e)

:2 =

f)

:2 =

g)

:2 =

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

Imyitozo

Uzurisha imibare ibura.

a) ☐ : 2 = 7
b) ☐ : 2 = 9
c) ☐ : 2 = 5
d) ☐ : 2 = 8
e) ☐ : 2 = 3
f) ☐ : 2 = 2
g) ☐ : 2 = 6
h) ☐ : 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

```
  6 4 | 2
- 6   |---
  0 4 | 3 2
-   4 |
  0 0 |
```

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

Reka ndebere ku rugero nkore

Urugero:

```
  1 2 0 | 2
- 1 2   |---
  0 0 0 | 6 0
-     0 |
        0
```

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.

Igikorwa cya 2

Uzurisha umubare ubura.

a) 3= ☐ × 3

b) 6= 3 × ☐

c) 9= ☐ × 3

d) 12= 3 × ☐

e) 15= ☐ × 3

f) 18= 3 × ☐

g) 21= ☐ × 3

h) 24= 3 × ☐

i) 27= ☐ × 3

Reka nkore

1. Uzuza umubare ubura.

a)

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

b)

2. Uzuza iyi mbonerahamwe.

×3	0	...	2	...	4	...	6	...	8	...	10	:3
	...	3	...	9	...	15	...	21	...	27	...	

3. Gereranya

a)	10+10+10	☐	3 x 10	d)	4 +4 +4	☐	3 x 4
b)	5 + 5+ 5	☐	3 x 5	e)	8 +8 +8	☐	3 x 8
c)	9 + 9+ 9	☐	3 x 9	f)	3 +3 + 3	☐	3 x 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 x 11 =
b) 3 x 12 =
c) 3 x 13 =
d) 3 x 20 =
e) 3 x 21 =
f) 3 x 22 =
g) 3 x 23 =
h) 3 x 30 =
i) 3 x 31 =
j) 3 x 32 =
k) 3 x 33 =
l) 3 x 41 =

Nsobanukiwe ko:

Iyo ukuba imibare uhera ku binyabumwe ujya ku binyacumi.

Igikorwa cya 2

Mukube mukurikije urugero mwahawe.

Urugero:

$$\begin{array}{r} 3\ 1 \\ \times\ 3 \\ \hline 9\ 3 \\ \hline \end{array}$$

a) 21
×3
_____

b) 22
×3
_____

c) 23
×3
_____

d) 30
×3
_____

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

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:

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

Bose hamwe bateye ibiti 3 × 51 = 153

Bose hamwe bateye ibiti 153

1. Mu mashuri 3, buri shuri ririmo 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.

☐ : 3 = ☐

☐ : 3 = ☐

☐ : 3 = ☐

☐ : 3 = ☐

☐ : 3 = ☐

☐ : 3 = ☐

Igikorwa cya 2

Mwuzuze imbonerahamwe zikurikira:

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

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

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

Igikorwa cya 3

Kora imyitozo ukurikije urugero wahawe.

Urugero:

```
  1 2 6 | 3
- 1 2   |---
  ------| 4 2
  0 0 6
-     6
  -----
      0
```

1 : 3 ntibishoboka

Turafata imibare ibiri (12)

12 : 3 = 4

Tumanure 6

6 : 3 = 2

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 Imidugudu 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 uhereye ku muto ujya ku munini
   179, 189, 198, 187, 178, 197
7. Tondeka iyi mibare uhereye 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

× 2	0	...	2	...	4	...	6	...	8	...	10
	...	2	...	6	...	10	...	14	...	18	...

× 3	...	1	...	3	...	5	...	7	...	9	...
	0	...	6	...	12	...	18	...	24	...	30

11. Kuba imibare ikurikira

(a) 43 × 2 (b) 23 × 3 (c) 34 × 2 (d) 32 × 2

12. Uzuza izi mbonerahamwe

× 2	0	...	4	...	8	...	12	...	16	...	20
	...	1	...	3	...	5	...	7	...	9	...

×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?

Umutwe wa 2

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.

b.

c.

d.

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

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

Igikorwa cya 11

Mwuzuze iyi mirongo y'ibara imibare iburamo.

a)

200 ☐ 202 ☐ 204 ☐ 206 ☐ 208 ☐ 210

b)

210 ☐ 230 ☐ 250 ☐ 270 ☐ 290 ☐

c)

410 ☐ 430 ☐ 450 ☐ 470 ☐ 490 ☐

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 mwahawe.

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

3. Kugereranya 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
b) 388 — 381
c) 479 — 479
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'uw'umwaka wa 3.
b) w'umwaka wa 2 n'uw'umwaka wa 3.
c) w'umwaka wa 3 n'uw'umwaka wa 4.
d) w'umwaka wa 4 n'uw'umwaka wa 5.
e) w'umwaka wa 5 n'uw'umwaka wa 6.
f) w'umwaka wa 2 n'uw'umwaka wa 5.
g) w'umwaka wa 6 n'uw'umwaka wa 1.
h) w'umwaka wa 4 n'uw'umwaka wa 2.
i) w'umwaka wa 5 n'uw'umwaka wa 3.

Reka ngereranye nkoreshe <, > na =

a)	469	☐	469	e)	318	☐	285	i)	427	☐	327
b)	336	☐	467	f)	445	☐	358	j)	254	☐	349
c)	363	☐	431	g)	222	☐	222	k)	281	☐	313
d)	490	☐	404	h)	301	☐	301	l)	429	☐	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 muhereye ku yanditseho umubare muto mujya ku yanditseho umubare munini.

Igikorwa cya 3

Tondeka uhereye ku mubare muto ujya ku munini.

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

Mwitegereze 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
b) 453, 248, 500
c) 479, 500, 315
d) 254, 328, 432
e) 424, 256, 337
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 =
b) 200 + 20 =
c) 220 + 30 =
d) 250 + 50 =
e) 300 + 50 =
f) 350 + 50 =
g) 400 + 50 =
h) 450 + 50 =
i) 300 + 80 =

Igikorwa cya 2

Muteranye mwandike igiteranyo ahabugenewe.

a.

b.

c.

d.

e.

2. Iteranya ritabitsa

Igikorwa cya 3

Mwitegereze 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+ ☐ = 442

b) 123+ ☐ = 378

c) ☐ = 120 +366

d) 63 + ☐ = 364

e) 203+ ☐ = 456

f) ☐ = 200 + 138

Igikorwa cya 6

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

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

3. Iteranya ribitsa

Igikorwa cya 8

Mwitegereze 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 =
b) 334 + 148 =
c) 146 + 229 =
d) 117 + 375 =
e) 154 + 228 =
f) 265 + 228 =
g) 372+ 128 =
h) 185+ 315 =
i) 192+ 278 =

Nsobanukiwe ko:

- Iyo uteranya imibare uhera ku binyabumwe.

1. Iyo igiteranyo kingana cyangwa kiruta 10, urabitsa.
2. Wandika ikinyabumwe k'icyo giteranyo,
3. Ikinyacumi 1 ukacyongera ku binyacumi
4. Ugakomeza utyo.

Reka nkore

a) 205 + 258 =
b) 277+ 196 =
c) 339 +1 43 =
d) 285+146 =
e) 337 + 126 =
f) 288 + 145 =
g) 149 + 336 =
h) 273 + 149 =
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

1. Umuyobozi w'ikigo yaguze ibitabo 265 by'imibare n'ibitabo 195 by'Ikinyarwanda. Yaguze ibitabo bingahe byose hamwe?.
2. 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 mwahawe.

Urugero:

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

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

Reka dukore mu matsinda

Mwifashishe utubarisho mwuzuze umubare ubura.

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

3. Ikuramo ritira

Igikorwa cya 6

Mukuremo imibare ikurikira mukurikije urugero mwahawe:

Urugero: 462 - 245 = 217

Ibinyajana (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 b10 + b2 = 12. Ndafata 12 - 5 = 7 hanyuma 5 - 4 = 1, 4 - 2 = 2.

Reka nkuremo ntira nkurikije urugero nahawe

a) 452 - 247 =
b) 343 - 148 =
c) 264 - 139 =
d) 471 - 357 =
e) 345 - 228 =
f) 465 - 258 =
g) 372 - 228 =
h) 482 - 357 =
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 =
b) 397- 268 =
c) 493 - 334 =
d) 485 - 346 =
e) 336 - 327 =
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) $4 = 4 \times \square$
b) $8 = \square \times 4$
c) $12 = 4 \times \square$
d) $16 = 4 \times \square$
e) $20 = \square \times 4$
f) $24 = 4 \times \square$
g) $28 = \square \times 4$
i) $32 = 4 \times \square$
k) $36 = \square \times 4$

Reka nuzuze imibare ibura

a) X 4

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

b)

c) ×4 ; 4

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

Reka ngereranye nkoreshe <, > na =

a)	$20 + 20$	☐	4×10	e)	$6 + 6$	☐	4×3
b)	$10 + 10$	☐	4×5	f)	$14 + 14$	☐	4×7
c)	$18 + 18$	☐	4×9	g)	$4 + 4$	☐	4×2
d)	$8 + 8$	☐	4×4	h)	$12 + 12$	☐	4×6
e)	$16 + 16$	☐	4×8	i)	$2 + 2$	☐	4×1

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)
$\begin{array}{r} 21 \\ \times\ 4 \\ \hline 84 \end{array}$	2	1
	×	4
	8	4

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

$$\begin{array}{r} 52 \\ \times\ 4 \\ \hline 208 \end{array}$$

a) $\begin{array}{r} 71 \\ \times\ 4 \\ \hline \ldots \end{array}$ b) $\begin{array}{r} 72 \\ \times\ 4 \\ \hline \ldots \end{array}$ C) $\begin{array}{r} 80 \\ \times\ 4 \\ \hline \ldots \end{array}$ d) $\begin{array}{r} 92 \\ \times\ 4 \\ \hline \ldots \end{array}$

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'ibintu biri mu kirundo, bigabanyemo uturundo 4 tungana, bara ibyo ubonye muri buri karundo. Kurikiza urugero rwatanzwe.

Urugero:

40 : 4 = 10

a.

☐ : 4 = ☐

b.

☐ : 4 = ☐

c.

☐ : 4 = ☐

d.

: 4 =

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

Igikorwa cya 1

Mugabanye mukurikije urugero mwahawe .

Urugero:

84 : 4 = 21

```
 8 4 | 4
-8   |21
 0 4
 - 4
 0 0
```

a) 44 | 4

b) 64 | 4

e) 84 | 4

c) 76 | 4

d) 56 | 4

f) 68 | 4

Igikorwa cya 2

Andika mu mahembe ugabanye.

a) 80 : 4 =

b) 64 : 4 =

c) 88 : 4 =

d) 92 : 4 =

e) 96: 4 =

f) 72: 4 =

Igikorwa cya 3

Andika mu mahembe ugabanye ukurikije urugero wahawe.

Urugero:

```
 1 2 0 | 4
-1 2   |3 0
  0 0 0
-     0
      0
```

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 intebe zingana. Ubwo muri buri ruhande hicaye abaturage bangahe?

15. Mara ya 5 n'ibikubo bya 5

Igikorwa cya 1

Mwitegereze namwe mukore nk'ibi.

Igikorwa cya 2

Uzurisha umubare ubura.

a) 5= ☐ × 5
b) 10= ☐ × 5
c) 15= ☐ × 5
d) 20= 5 × ☐
e) 25= ☐ × 5
f) 30= ☐ × 5
g) 35= ☐ × 5
h) 40= ☐ × 5
i) 45= ☐ × 5

Reka nuzuze umubare ubura

a) × 5

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

b)

c) × 5 : 5

...	2	...	4	...	6	...	8	...	10
5	...	15	...	25	...	30	...	45	...

Reka ngereranye nkoreshe <, > na =

a)	$25 + 25$	☐	5×10	f)	$10 + 5$	☐	5×3
b)	$10 + 15$	☐	5×5	g)	$20 + 15$	☐	5×7
c)	$20 + 25$	☐	5×9	h)	$5 + 5$	☐	5×2
d)	$10 + 10$	☐	5×4	i)	$15 + 15$	☐	5×6
e)	$20 + 20$	☐	5×8	j)	$2 + 3$	☐	5×1

16. Gukubisha 5 imibare y'imibarwa ibiri

Igikorwa cya 1

Mukoreshe imbonerahamwe y'ibara mukore imyitozo.

Urugero:

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

a) 11 x 5 =
b) 20 x 5 =
c) 21 x 5 =
c) 30 x 5 =
e) 31 x 5 =
f) 40 x 5 =
g) 41 x 5 =
h) 50 x 5 =
i) 60 x 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) $\begin{array}{r} 8\ 1 \\ \times\ 5 \\ \hline \ldots \end{array}$ b) $\begin{array}{r} 9\ 1 \\ \times\ 5 \\ \hline \ldots \end{array}$ C) $\begin{array}{r} 8\ 0 \\ \times\ 5 \\ \hline \ldots \end{array}$ d) $\begin{array}{r} 5\ 1 \\ \times\ 5 \\ \hline \ldots \end{array}$

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 x 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)

☐ : 5 = ☐

b)

☐ : 5 = ☐

c)

: 5 =

d)

: 5 =

Reka nuzuze imibare ibura

1) :5

5	10	15	20	25	30	35	40	45	50
___	___	___	___	___	___	___	___	___	___

2) :5

___	10	___	20	___	30	___	40	___	50
1	___	3	___	5	___	7	___	9	___

x 5

3) Gabanya mu mutwe

a) 50 : 5 =
b) 45 : 5 =
c) 40 : 5 =
d) 35 : 5 =
e) 30 : 5 =
f) 25 : 5 =
g) 20 : 5 =
h) 15 : 5 =
i) 10 : 5 =

Igikorwa cya 2

Mugabanye mukurikije urugero mwahawe .

Urugero:

55 : 5 = 11

```
  5 5 | 5
- 5   |---
  0 5 | 1 1
-   5 |
  0 0 |
```

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

Reka nuzuze iyi mbonerahamwe

×	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 ukoresheje <, > na =
   (a) 295 ☐ 295 (c) 478 ☐ 467
   (b) 458 ☐ 378
6. Tondeka iyi mibare uhereye ku muto ujya ku munini
   439, 349, 493, 394,387, 479
7. Tondeka iyi mibare uhereye 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 =

(b) 453 – 345 =

(c) 367 – 236 =

(d) 381 – 274 =

10. Uzuza izi mbonerahamwe:

x4

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

:4

x5

1	___	3	___	5	___	7	___	9	___
___	10	___	20	___	30	___	40	___	50

:5

11. Kuba iyi mibare ikurikira:

(a) 92 × 4

(c) 81 × 4

(e) 61 × 4

(g) 70 × 4

(b) 82 × 5

(d) 91 × 5

(f) 80 × 5

(h) 90 × 5

12. Uzuza izi mbonerahamwe :

: 4

___	8	___	16	___	24	___	32	___	40
1	___	3	___	5	___	7	___	9	___

X4

: 5

5	___	15	___	25	___	35	___	45	___
___	2	___	4	___	6	___	8	___	10

X5

13. Andika mu mahembe ugabanye.

(a) 488 : 4 =

(b) 368 : 4 =

(c) 465 : 5 =

(d) 450 : 5 =

(e) 464 : 4 =

(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?

Umutwe wa 3

Imibare kuva kuri 0 kugera ku 1000

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

Igikorwa cya 1

Mwitegereze 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

Mwitegereze ishusho, musome imibare yanditse kuri izi modoka.

Igikorwa cya 4

Mwitegereze 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.

500 ... 700 ... ...

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

Mwitegereze ishusho namwe mukore urutonde rw'imibare kuva kuri 500 kugera ku 1000.

Igikorwa cya 10

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

a)

500 ☐ 502 ☐ 504 ☐ 506 ☐ 508 ☐ 510

b)

610 ☐ 630 ☐ 650 ☐ 670 ☐ 690 ☐

c)

710 ☐ 730 ☐ 750 ☐ 770 ☐ 790 ☐

d)

810 ☐ 830 ☐ 850 ☐ 870 ☐ 890 ☐

e)

☐ 920 ☐ 940 ☐ 960 ☐ 980 ☐ 1000

f) ☐ 200 ☐ 400 ☐ 600 ☐ 800 ☐ 1000

g) 500 510 ☐ ☐ 540 ☐ ☐ ☐ ☐ 590

h) 710 ☐ 730 ☐ 750 ☐ 770 ☐ 790 ☐

i) 905 915 ☐ 935 ☐ 955 ☐ 975 ☐ 995

j) 804 ☐ 844 ☐ 884 ☐ 924 ☐ 964 ☐

Igikorwa cya 11

Mwandike mu magambo imibare yose iri hagati y'iyo 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

b) 814 =j....c....b

c) 715 =j....c....b

d) 641 =j....c....b

e) 917 =j....c....b

f) 868 =j....c....b

g) 719 =j....c....b

h) 680 =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 =

b) b 5 j 8 c 2 =

c) j 9 b 6 c 5 =

d) c 8 b 2 j 3 =

e) b 5 c 7 j 2 =

f) c 7 j 2 b 6 =

g) j 6 b 5 c 4 =

h) b 8 j 4 c 0 =

i) j 5 b 9 c 1 =

3. Kugereranya 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:

530 < 611

a. 915 ... 835

b. 758 ... 681

c. 579 ... 579

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

Itegereze 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

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

Igikorwa cya 3

Tondeka imibare ikurikira uhereye ku muto ujya ku munini:

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

2. Gutondeka uva ku mubare munini ujya 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

Mwitegereze iyi 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
b) 953, 848, 600
c) 779, 500, 615
d) 854, 728, 932
e) 524, 556, 637
f) 990, 799, 673
g) 612,621,672
h) 836,806,863
i) 924,908,942
j) 739,709, 793
k) 672,607,627
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 =
b) 500 + 20 =
c) 720 + 30 =
d) 650 + 50 =
e) 800 + 50 =
f) 750 + 50 =
g) 600 + 50 =
h) 850 + 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 mwahawe:

Urugero: 535 + 462 = 997

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

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

Igikorwa cya 5

Ifashishe ibibarisho mu kubara wuzuza umubare ubura.

a) 201 + ☐ = 842
b) 255 + ☐ = 578
c) 366 + ☐ = 678
d) 301+ ☐ = 634
e) 203 + ☐ = 546
f) 200 + ☐ =738
g) 227+ ☐ = 647
h) 418+ ☐ = 799
i) 530 + ☐ = 635

3. Iteranya ribitsa

Igikorwa cya 6

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

Urugero: 617+145 = 762

```
     1
   6 1 7
+  1 4 5
  -------
   7 6 2
```

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)
	1	
3	6	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 abandi bacuruzi 276. Ubwo harimo abacuruzi bangahe?

7. Gukuramo imibare ikinyuranyo kitarenga 999

1. Gukuramo imibare mu mutwe

Igikorwa cya 1

Musome, mukuremo mu mutwe mwandike igisubizo.

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

2. Ikuramo ridatira

Igikorwa cya 2

Mwitegereze 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) 986 275 =

b) 864 162 =

c) 789 177 =

d) 687 351=

e) 648 145 =

f) 763 252 =

g) 987 216 =

h) 896 154 =

i) 786 473 =

3. Ikuramo ritira

Igikorwa cya 5

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

Urugero:

Ibinyajana (j)	Ibinyacumi (c)	Ibinyabumwe (b)
	4	10 } 10 + 1
6	~~5~~	1
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. b10 + b1 = b11. 11 - 5 = 6 hanyuma 4 - 4 = 0 6 - 2 = 4

```
  4
 6 5 1
-2 4 5
 4 0 6
```

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

Reka nkore

1. Koresha imbonerahamwe y'ibara ukore iyi myitozo:

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

2. Uzuza umubare ubura.

a) 576 = ☐ – 124
b) 520 = ☐ – 78
c) 415 = ☐ – 140
d) 250 = 675 – ☐
e) 455 = 795 – ☐
f) 330 = 668 – ☐
g) 887 – ☐ = 47
h) 966 – ☐ = 140
i) 474 – ☐ = 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 icupa1 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× ☐

b) 12 = ☐ x 6

c) 18 = 6× ☐

d) 24 = ☐ x 6

e) 30 = 6× ☐

f) 36 = ☐ × 6

g) 42 = 6× ☐

h) 48 = ☐ × 6

i) 54 = ☐ × 6

j) 60 = 6 × ☐

Reka nuzuze imibare ibura

a) ×6

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

b)

c) ×6

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

: 6

Gereranya

a)	30 + 30	☐	6 x 10	f)	15 + 3	☐	6 x 3
b)	15 + 15	☐	6 x 5	g)	20 + 22	☐	6 x 7
c)	30 + 24	☐	6 x 9	h)	6 + 6	☐	6 x 2
d)	10 + 14	☐	6 x 4	i)	15 + 21	☐	6 X 6
e)	24 + 24	☐	6 x 8	j)	3 + 3	☐	6 x 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)
×	2	1 6
1	2	6

Nsobanukiwe ko:

Iyo ukuba imibare uhera ku binyabumwe.

```
    2 5
×     6
  1 5 0
```

5 × 6 = 30.
Turandika 0 tubitse 3

2 × 6 = 12.
Turongeraho 3 twabitse 3 + 12 = 15.

a) 6 x 11 =	c) 6 x 30 =	g) 6 x 41 =
b) 6 x 20=	e) 6 x 31 =	h) 6 x 50 =
c) 6 x 21 =	f) 6 x 40 =	i) 6 x 60 =

Igikorwa cya 2

Mukube mukurikije urugero mwahawe.

Urugero:

$$\begin{array}{r} 70 \\ \times\ 6 \\ \hline 420 \\ \hline \end{array}$$

a) $\begin{array}{r} 81 \\ \times\ 6 \\ \hline \end{array}$ b) $\begin{array}{r} 80 \\ \times\ 6 \\ \hline \end{array}$ c) $\begin{array}{r} 90 \\ \times\ 6 \\ \hline \end{array}$ d) $\begin{array}{r} 91 \\ \times\ 6 \\ \hline \end{array}$

e) $\begin{array}{r} 71 \\ \times\ 6 \\ \hline \end{array}$ f) $\begin{array}{r} 61 \\ \times\ 6 \\ \hline \end{array}$ g) $\begin{array}{r} 51 \\ \times\ 6 \\ \hline \end{array}$ h) $\begin{array}{r} 10 \\ \times\ 6 \\ \hline \end{array}$

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

$$\begin{array}{r} 91 \\ \times\ 6 \\ \hline 546 \\ \hline \end{array}$$

Igisubizo:

Umubare w'ibiti bateye 6 x 91 = 546

Umubare w'ibiti bateye ni 546

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'imbaho zizavamo niba buri giti azagisaturamo imbaho 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)

☐ : 6 = ☐

b)

☐ : 6 = ☐

c)

: 6 =

d)

: 6 =

Reka nuzuze imibare ibura

1)

:6	6	12	18	24	30	36	42	48	54	60
	...	...	...	...	...	...	...	...	...	...

2)

:6	...	12	...	24	...	36	...	48	...	60
	1	...	3	...	5	...	7	...	9	...

x6

3) Kora imyitozo ikurikira:

(a) 60 : 6 =
(b) 42 : 6 =
(c) 24 : 6 =
(d) 54 : 6 =
(e) 36 : 6 =
(f) 18 : 6 =
(g) 48 : 6 =
(h) 30 : 6 =
(i) 12 : 6 =

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

Igikorwa cya 1

Mugabanye imibare ikurikira mukurikije urugero mwahawe:

Urugero:

66 : 6 = 11

```
  6 6 | 6
- 6   |---
  0 6 | 1 1
-   6 |
  0 0 |
```

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

a) 72 | 6 b) 144 | 6 (c) 78 | 6 d) 114 | 6

e) 720 | 6 f) 780 | 6 (g) 204 | 6 h) 636 | 6

i) 666 | 6 j) 264 | 6 (k) 930 | 6 l) 420 | 6

Nsobanukiwe ko:

Iyo ugabanya umubare ufite 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= ☐ d) 300 : 6= ☐ g) 480 : 6 = ☐ j) 888 : 6 = ☐

b) 198 : 6= ☐ e) 366 : 6= ☐ h) 600 : 6 = ☐ k) 570 : 6 = ☐

c) 264: 6= ☐ f) 396 :6 = ☐ i) 960 : 6 = ☐ l) 966 : 6 = ☐

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

```
  9 8 4 | 6
- 6      |---
  3 8    | 164
- 3 6
    2 4
  - 2 4
    0 0
```

1. Umucuruzi yagabanyije abanyeshuri 6 amakayi 246 ku buryo bungana. Ubwo buri munyeshuri azafata amakayi angahe?
2. Inka za Musoni zikamwa litiro 486 mu minsi 6. Ubwo ku munsi zikamwa litiro zingahe ?
3. 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 zeru imwe.
- Iyo ukubisha umubare 100 n'undi mubare wandika uwo mubare ukongeraho amazeru 2.

Igikorwa cya 2

Mukube na 10 cyangwa 100 mukurikije urugero mwahawe.

Urugero:

10 x 23 = 230	10 x 99= 990	100 x 2 = 200
10 x 60 = 600	100 x 1 = 100	100x 3 = 300

a) 10 x 11 = ☐	e) 10 x 53 = ☐	i) 10 x 97 = ☐
b) 10 x 22 = ☐	f) 10 x 68 = ☐	j) 10 x 100 = ☐
c) 10 x 35 = ☐	g) 10 x 71 = ☐	k) 100 x 4 = ☐
d) 10 x 48 = ☐	h) 10 x 86 = ☐	l) 100 x 5 = ☐

Reka nkore

1. Uzurisha 10 cyangwa 100

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

2. Uzuza izi mbonerahamwe

a)

	1	2	3	4	5	6	7	8	9	10
× 2										
× 3										
× 4										
× 5										
× 6										
× 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 x 10 = ☐

b) 80 x 10 = ☐

c) 99 x 10 = ☐

d) 63 x10 = ☐

e) 71 x 10 = ☐

f) 40 x10 = ☐

g) 8 x 100 = ☐

h) 21 x 10 = ☐

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 uhereye ku muto ujya ku munini
   793, 947, 986, 969,678, 789
7. Tondeka iyi mibare uhereye 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

×6

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

: 6

11. Kuba imibare ikurikira:

(a) 91 × 6 = ___

(b) 51 × 6 = ___

(c) 80 × 6 = ___

(d) 90 × 6 = ___

(e) 71 × 6 = ___

(f) 50 × 6 = ___

(g) 61 × 6 = ___

(h) 41 × 6 = ___

12. Uzuza na 10 cyangwa 100

(a) 9 × ☐ = 900

(b) 89 × ☐ = 890

(c) ☐ × 98 = 980

(d) ☐ × 8 = 800

13. Uzuza iyi mbonerahamwe

: 6

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

×6

14. Gabanya imibare ikurikira:

(a) 966 : 6 =

(b) 684 : 6 =

(c) 564 : 6 =

(d) 624 : 6 =

(e) 864 : 6 =

(f) 870 : 6 =

(g) 774 : 6 =

(h) 954 : 6 =

(i) 978 : 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?

Umutwe wa 4

Imigabane: $\frac{1}{2}$, $\frac{1}{4}$ na $\frac{1}{8}$

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

Itegereze 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

Itegereze, 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.

a.

b.

c.

d.

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.

a

b

c

d

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:

Umurongo w'umugabane ← $\frac{1}{2}$ → **Ikibara** (1), **Ikita** (2)

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

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

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

Igikorwa cya 2

Itegereze wandike imigabane yashushanyijwe maze uyigereranye ukoresheje >,< na =

a)

b)

c)

Igikorwa cya 3

Ukurikije urugero wahawe, 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) $\frac{1}{2} \square \frac{2}{2}$ e) $\frac{1}{8} \square \frac{1}{2}$ i) $\frac{8}{8} \square \frac{4}{4}$

b) $\frac{2}{2} \square \frac{4}{4}$ f) $\frac{1}{8} \square \frac{1}{4}$ j) $\frac{1}{4} \square \frac{4}{4}$

c) $\frac{1}{8} \square \frac{1}{8}$ g) $\frac{1}{4} \square \frac{1}{8}$ k) $\frac{2}{2} \square \frac{1}{4}$

d) $\frac{2}{2} \square \frac{8}{8}$ h) $\frac{1}{4} \square \frac{1}{2}$ l) $\frac{4}{4} \square \frac{1}{8}$

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

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

7. Akamaro k'imigabane

Igikorwa

Mwitegereze 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) $\frac{1}{2}$ ☐ $\frac{8}{8}$

b) $\frac{2}{2}$ ☐ $\frac{1}{4}$

c) $\frac{1}{4}$ ☐ $\frac{1}{8}$

d) $\frac{4}{4}$ ☐ $\frac{1}{2}$

e) $\frac{8}{8}$ ☐ $\frac{1}{8}$

f) $\frac{4}{4}$ ☐ $\frac{1}{8}$

g) $\frac{1}{4}$ ☐ $\frac{1}{2}$

h) $\frac{1}{8}$ ☐ $\frac{2}{2}$

i) $\frac{1}{4}$ ☐ $\frac{4}{4}$

j) $\frac{2}{2}$ ☐ $\frac{1}{8}$

k) $\frac{1}{8}$ ☐ $\frac{1}{8}$

l) $\frac{8}{8}$ ☐ $\frac{1}{4}$

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

Umutwe wa 5

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 ukoresheje ibimenyetso <, > na =

a) m 8 ☐ m 5
b) m 5 ☐ m 5
c) m 8 ☐ m 8
d) m 4 ☐ m 7
e) m 9 ☐ m 10
f) m 7 ☐ m 7

Igikorwa cya 3

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

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

Igikorwa cya 4

Teranya cyangwa ukuremo.

a) m 33 + m 21 = m ☐
b) m 23 + m 42 = m ☐
c) m 56 + m 31 = m ☐
(d) m 86 – m 51 = m ☐
e) m 85 – m 25 = m ☐
f) m 41 – m 33 = m ☐
g) m 35 + m 43 = m ☐
(h) m 42 + m 51 = m ☐

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 ufite 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

Mwitegereze 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

Mwitegereze ishusho, maze mukore ibikorwa bikurikira mugendeye ku rugero mwahawe:

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

Mwitegereze 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. **m**1 **= dm**10
- m1 uyigabanyamo uduce 100. Buri gace gapima cm1. **m**1**= cm**100
- dm1 uyigabanyamo uduce 10 tungana. Buri gace gapima cm1. 1**dm =** 10 **cm**

  Ingero z'uburebure zirutana inshuro 10

  m1 = dm10 1dm = 10 cm

4. Guhindura ingero z'uburebure

Igikorwa

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

Urugero:

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

m1 = dm10 m1 = cm100 dm1 = cm10

dm10=m1 cm100 = m1 cm10 = dm1

a) m 1 = dm ☐

b) dm 3 = cm ☐

c) dm 5 = cm ☐

d) dm 27 = cm ☐

e) dm90 = m ☐

f) dm 2 = cm ☐

g) m 4 = dm ☐

h) m 6 = dm ☐

i) cm 80 = dm ☐

j) dm 7 = cm ☐

Nsobanukiwe ko:

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

Reka mpindure mu rugero bambajije

a) m 6 = cm...
b) dm 40= m....
c) dm 75 = cm .....
d) cm 990 = dm .....

5. Kugereranya ingero z'uburebure

Igikorwa

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

Urugero:

m2 = dm 20

m	dm	cm
2	0	

Urugero:

a) m 2 [=] dm 20
b) cm 90 [ ] dm 9
c) cm 54 [ ] dm 54
d) m 15 [ ] dm150
e) dm 14 [ ] m10
f) cm 150 [ ] dm 15
g) cm 400 [ ] m 4
h) cm 100 [ ] dm 10
i) dm 13 [ ] cm 130
j) cm 975 [ ] m 9

Nsobanukiwe ko:

- Iyo 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 metero10 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
b) dm 79, m 130, m 4
c) 345 cm, m 8, dm 65
d) m 7, cm 985, dm 75
e) cm 125, dm 45, m 9
f) cm 76, m 4, cm 576
g) cm 127, dm 45, m 9
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
b) cm 79, m 3, dm 49
c) dm 45, cm 814, m 6
d) dm 78, cm 895, m 7
e) cm 5, dm 54, cm 915
f) cm 768, dm 49, m 5
g) dm 27, cm 458, m 9
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 ☐

b) dm 15 + cm 500 = dm ☐

c) cm 45 + dm 15 = cm ☐

d) dm 23 + cm 170 = dm ☐

e) dm 56 + cm 440 = cm ☐

f) m 7+ dm 300 = m ☐

g) dm 60 + cm 200 = m ☐

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	0
	1	7	0

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

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:

cm 140 = dm 14
cm 70 x 2 = dm 140
cm 70 x 2 = cm 140

m	dm	cm
	7	0
x		2
1	4	~~0~~

a) cm 71 × 4 = cm
b) cm 24 × 2 = cm
c) m 43 × 2 = dm
d) cm 90 × 5 = dm
e) cm 51 × 6 = cm
f) dm 11 × 3 = dm
g) cm 124 × 2 = dm
h) m 8 × 4 = dm
i) dm 30 × 5 = m
j) dm 22 × 4 = cm
k) cm 60 × 6 = dm
l) cm 14 × 2 = cm

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

```
 960 | 3
-9   |320
 Ø60
 - 6
 Ø0
 - 0
   0
```

a) dm 480 : 4 = dm ☐

b) cm 126 : 3 = cm ☐

c) cm 240 : 2 = cm ☐

d) dm 720 : 3 = m ☐

e) cm 486 : 2 = cm ☐

f) dm 128 : 2 = dm ☐

g) cm 36 : 6 = cm ☐

h) cm 25 : 5 = cm ☐

i) cm 20 : 5 = cm ☐

j) dm 672 : 6 = dm ☐

k) cm 364 : 4 = cm ☐

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	

1. Umwaka ushize nateye igiti gifite dm 50, z'uburebure ubu gifite dm 80 ubwo kimaze kwiyongeraho dm zingahe?
2. Umubaji yaguze urubaho rwa cm 100 arucamo uduce 5 tungana. Buri gace kareshya gate?
3. Gatari yaguze ikizingo cy'umugozi ureshya na m 60 arashaka gucamo uduce 3. Shaka uburebure bwa buri gace muri dm.
4. Gatera yahinze amashu mu murima upima m 89 z'uburebure. Naho Munezero yayahinze mu murima ufite m 97.
   (a) Ni nde wahinze amashu mu murima muremure?
   (b) Yamurushije guhinga m zingahe?
5. 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'ibintu 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 × 5 = dm ☐
   (h) cm 72 × 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 santimetero 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?

Umutwe wa 6

Urugero fatizo rw'ingero z'ibitembabuzi "litiro"

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

Igikorwa

Mwitegereze 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

Mwitegereze amashusho maze mukore nk'ibiri gukorwa.

Igikorwa cya 2

Mwifashishe amacupa (utujerekani) apima ℓ5 mubyuzuzemo amazi muyashyire mu macupa (utujerikani) ya ℓ1 hanyuma muvuge umubare w'amacupa ya ℓ1 uvuye muri ℓ5.

Igikorwa cya 3

Mufate akajerikani gatwara ℓ2, mukuzuzemo amazi mukoresheje icupa rya ℓ1. Nimuvuge umubare w'amacupa mwasutsemo. Mubikore mutyo no ku kajerikani gatwara ℓ5 n'aka ℓ10.

3. Kugereranya ibitwarwamo ibitembabuzi

Igikorwa cya 1

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

Igikorwa cya 2

a) ℓ 15 ☐ ℓ 24

b) ℓ 32 ☐ ℓ 712

c) ℓ 345 ☐ ℓ 453

d) ℓ 750 ☐ ℓ 697

e) ℓ 315 ☐ ℓ 351

f) ℓ 225 ☐ ℓ 175

g) ℓ 167 ☐ ℓ 256

h) ℓ 791 ☐ ℓ 719

i) ℓ 405 ☐ ℓ 405

j) ℓ 819 ☐ ℓ 891

Igikorwa cya 3

Tondeka uva ku rugero ruto ujya ku runini

a) ℓ 15, ℓ20, ℓ12, ℓ10

b) ℓ12, ℓ2, ℓ18, ℓ5

c) ℓ13, ℓ20, ℓ7, ℓ15

d) ℓ24, ℓ5, ℓ20, ℓ8

e) ℓ22, ℓ10, ℓ25, ℓ6

f) ℓ23, ℓ15, ℓ7, ℓ6

Igikorwa cya 4

Tondeka uva ku rugero runini ujya ku ruto.

a) ℓ51, ℓ20, ℓ21, ℓ12

b) ℓ21, ℓ28, ℓ81, ℓ52

c) ℓ31, ℓ20, ℓ75 ℓ15

d) ℓ42, ℓ25, ℓ20, ℓ68

e) ℓ22, ℓ30, ℓ52, ℓ65

f) ℓ32, ℓ15, ℓ72, ℓ36

4. Guteranya ingero z'ibitembabuzi muri litiro

Igikorwa 1

Mukore imyitozo ikurikira mukurikije urugero

Urugero:

ℓ172 + ℓ 124 =
ℓ152 + ℓ 38 =
ℓ172 + ℓ 38 = ℓ210

ℓ172	ℓ152	ℓ172
+ℓ124	+ℓ 38	+ℓ 38
ℓ 296	ℓ190	ℓ210

a) ℓ18 + ℓ12 = ℓ ☐

b) ℓ33 + ℓ28 = ℓ ☐

c) ℓ281 + ℓ169 = ℓ ☐

d) ℓ615 + ℓ204 = ℓ ☐

e) ℓ186 + ℓ512 = ℓ ☐

f) ℓ37 + ℓ63 = ℓ ☐

g) ℓ176 + ℓ78 = ℓ ☐

h) ℓ342 + ℓ58 = ℓ ☐

i) ℓ475 + ℓ215 = ℓ ☐

j) ℓ317 + ℓ623 = ℓ ☐

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 ℓ 213 z'amazi ikindi kikajyamo ℓ 378. Shaka itwara ry'ibyo bigega byombi.

ℓ213
+ ℓ378
ℓ591

Igisubizo:

Byombi bitwara ℓ 213+ℓ 378= ℓ 591
Byombi bitwara ℓ 591

1. Mvomesha ikivomesho gitwara ℓ 15 naho mukuru wange avomesha igitwara ℓ 24.Twese hamwe tuvoma ℓ zingahe?
2. Twashigishe ℓ300 z'ubushera bwo kwakira abashyitsi mu bukwe, abaturanyi bacu badutwerera ℓ175 z'ubushera. Ubwo twagize ℓ zingahe zose hamwe?
3. Mutabazi afite imashini itanga umuriro. Mu gitondo ashyiramo ℓ 195 z'amavuta na ℓ 205 ku mugoroba. Ubwo ku munsi ashyiramo ℓ zingahe?

6. Gukuramo ingero z'ibitembabuzi

Igikorwa

Mukore imyitozo ikurikira mukurikije urugero mwahawe.

Urugero:

ℓ 723 - ℓ 312 = ℓ 411
ℓ 423 - ℓ 309 = ℓ 114

ℓ723
-ℓ312
ℓ411

ℓ4 2 3
-ℓ3 0 9
ℓ1 1 4

a) ℓ45 - ℓ29 = ℓ ☐
b) ℓ112 - ℓ89 = ℓ ☐
c) ℓ234 - ℓ197 = ℓ ☐
d) ℓ678 - ℓ178 = ℓ ☐
e) ℓ975 - ℓ485 = ℓ ☐
f) ℓ125 - ℓ95 = ℓ ☐

7. Amahurizo yo gukuramo no guteranya ingero z'ibitembabuzi

Reka dukore amahurizo dukurikije urugero twahawe

Urugero:

Mu ngunguru irimo ℓ225 z'amazi twavanyemo ℓ75. Ubwo iyo ngunguru yasigayemo ℓ zingahe?

Igisubizo: **Ingunguru yasigayemo ℓ225 - ℓ75 = ℓ150**
Yasigayemo ℓ150

1. Twaretse ℓ225 z'amazi y'imvura. Bukeye tuyameshesha imyenda hasigara ℓ24.Twamesheje ℓ zingahe?
2. Umucuruzi yaranguye ℓ100 z'amavuta agurisha ℓ35 akiva kurangura.Yasigaranye ℓ zingahe?

8. Gukuba ingero z'ibitembabuzi n'umubare ushyitse

Igikorwa cya 1

Mukore imyitozo ikurikira muhereye ku rugero

Urugero:

ℓ 72 x 4 = ℓ288

ℓ72
x 4
ℓ 288

a) ℓ24 x 2 = ℓ
b) ℓ32 x 4 = ℓ
c) ℓ31 x 6 = ℓ
d) ℓ74 x 2 = ℓ

9. Amahurizo yo gukuba ingero z'ibitembabuzi

Reka dukore mu matsinda

Urugero:

Butera avoma utujerikani 4 tw'amazi buri munsi. Niba buri kajerikani gatwara ℓ10,ubwo Butera avoma ℓ zingahe ku munsi?

ℓ10
x 4
ℓ40

Igisubizo:

Butera avoma ℓ 10x4= ℓ 40

Butera avoma ℓ 40 z'amazi buri munsi

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

10. Kugabanya ingero z'ibitembabuzi n'umubare ushyitse

Igikorwa

Mukore imyitozo ikurikira mwifashishije urugero rwatanzwe

Urugero:

ℓ255 ÷ 5 = ℓ 51

ℓ 255 | 5
- 25↓ | ℓ51
005
- 5
0

a) ℓ68 ÷ 2 = ℓ ☐

b) ℓ188 ÷ 2 = ℓ ☐

c) ℓ159 ÷ 3 = ℓ ☐

d) ℓ324 ÷ 6 = ℓ ☐

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

Reka dukore amahurizo dukurikije urugero twahawe

Urugero:

Dushime afite ijerikani yuzuye ℓ20 z'amazi. Shaka umubare w'utujerikani twa ℓ5 azasukamo ayo mazi ngo bagenzi be bamutwaze.

Igisubizo:

Umubare w'utujerikani = ℓ20 : ℓ5 = 4

Amazi azayasuka mu tujerikani 4

1. Abana 5 bahuje isabukuru yabo y'amavuko maze ababyeyi babo babagurira ℓ50 z'umutobe, ngo bazigabane banganye bityo buri wese azimanire abo yatumiye. Buri mwana yabonye ℓ zingahe?
2. Gabanya ku buryo bungana ℓ 186 z'amata abacuruzi 6. Buri mucuruzi azahabwa ℓ zingahe?
3. Mugabo afite ℓ 155 za mazutu ashaka gushyira mu modoka 5 ku buryo bungana.Shaka umubare wa ℓ 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) ℓ586 ☐ ℓ856 (c) ℓ287 ☐ ℓ287

(b) ℓ549 ☐ ℓ478 (d) ℓ918 ☐ ℓ908

3. Tondeka uhereye ku bike ujya ku byinshi

ℓ785, ℓ758, ℓ857, ℓ875, ℓ578, ℓ587

4. Tondeka uhereye ku byinshi ujya ku bike

ℓ908, ℓ890, ℓ980, ℓ809

5. Shaka igisubizo

(a) ℓ548 + ℓ387 = ℓ (c) ℓ978 - ℓ789 = ℓ

(b) ℓ81 x 5 = ℓ (d) ℓ720 : 4 = ℓ

6. Amahurizo

(a) Mu ngunguru harimo ℓ975 z'amazi nimeshesha ℓ789, hazasigara litiro zingahe?

(b) Karabo afite ℓ20 za peterori arashaka kuzigabanyiriza mu tujerikani twa ℓ5 kamwe kamwe. Ubwo azazishyira mu tujerikani tungahe?

(c) Ikigega cy'amazi cyuzuzwa n'ingunguru 6. Shaka umubare wa ℓ zijya muri icyo kigega niba buri ngunguru ijyamo ℓ91.

Umutwe wa 7

Urugero fatizo mu ngero z'uburemere "kg"

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

Igikorwa

Mwitegereze muvuge ibyo mubona ku mashusho n'igipimo cyabyo.

Nsobanukiwe ko:

Kg ari rwo rugero bapimamo uburemere bw'ibintu bitandukanye.

2. Amoko atandukanye y'iminzani

Igikorwa

Mwitegereze 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'ibintu 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 ibintu bitandukanye buri wese agenekereze avuge ibiro ibyo bintu byapima.

Igikorwa cya 2

Mwitegereze ishusho, muvuge ibirimo gukorwa namwe mubikore.

Igikorwa cya 3

Mwitegereze 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

Mwitegereze 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 yiyemeza 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 ☐ kg 42

b) Kg 23 ☐ kg 172

c) Kg 354 ☐ kg 345

d) Kg 252 ☐ kg157

e) Kg 176 ☐ kg 526

f) Kg 179 ☐ 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) Kg15, 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:

kg 205 + kg 414= kg 619

kg 205
+kg 414
kg 619

a) Kg 81 + kg 11 = kg ☐

b) Kg 33 + kg 82 = kg ☐

c) Kg128 +kg 196 = kg ☐

d) Kg 73 + kg 36 = kg ☐

e) Kg 167+ kg 87 = kg ☐

f) Kg 234+ kg 85 = kg ☐

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:

Twembi dufite kg 32 + kg 46 = kg 78
Twembi dufite kg 78

kg 32
+kg 46
kg 78

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:

kg 475 - kg 364= kg 111

kg 475
- kg 364
kg 111

a) Kg 54 – kg 29 = kg ☐
b) Kg 215 – kg 59 = kg ☐
c) Kg 121– kg 98 = kg ☐
d) Kg 217 – kg 191 =kg ☐
e) Kg 324 – kg 179 =kg ☐
f) Kg 546 – kg 329 =kg ☐

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.

kg 59
- kg 28
kg 31

Igisubizo:

Umubare wa kg zibura ni kg 59-kg 28 = kg 31

Harabura kg 31 z'umuceri.

1. 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:

kg 82 x 4= kg 328

kg 82
x kg 4
kg 328

a) Kg 42 × 3 = kg ☐

b) Kg 93 × 2 = kg ☐

c) Kg 81 × 6 = kg ☐

d) Kg 53 × 4 = kg ☐

e) Kg 54 × 5 = kg ☐

f) Kg 15 × 6 = kg ☐

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:

Twasaruye kg 71 x 6 =kg 426

Twasaruye kg 426 z'ibishyimbo.

kg 71
x 6
kg 426

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

2. Murengezi atwara kg 61 z'ibitoki ku ngorofani. Azatwara kg zingahe z'ingahe nagenda inshuro 3?
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:

kg 75 ÷ 3 = kg 25

```
kg 75 | 3
  - 6 ↓ |------
-------| kg 25
   15  |
  -15  |
-------|
   00  |
```

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

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:

kg 488 | 4
- 4 | 122
Ø8
-8
Ø8
8
0

Buri muryango nzawuha kg 488 : 4= kg 122

Buri muryango nzawuha kg 122

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 ℓ.
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 × 4 = kg ☐
   (h) Kg 72 × 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?

Umutwe wa 8

Amafaranga y'u Rwanda kuva ku F 1 kugera ku F 1000

0. Imyitozo yo kwiyibutsa amafaranga

Igikorwa cya 1

Mukoreshe <, > na = mugereranye

a) F 50 ☐ F 50

b) F 25 ☐ F 35

c) F 95 ☐ F 85

d) F 45 ☐ F 70

e) F 75 ☐ F 100

f) F 70 ☐ F 70

Igikorwa cya 2

Mutondeke aya mafaranga muhereye ku make mujya ku menshi.

a) F 75, F 50, F 90

b) F 90, F 80, F 50

c) F 100, F20, F 60

d) F 60, F 100, F 70

e) F 60, F 30, F 80

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

b) F 90, F 80, F 50

c) F 100, F 20, F 60

d) F 45, F 15, F 50

e) F 60, F 75, F 35

f) F 60, F 100, F 70

g) F 60, F 30, F 80

h) F 40, F 70, F 20

i) F 25, F 100,F 65

j) F 70, F 35, F 90

Igikorwa cya 4

Mukoreshe ibiceri mushake igisubizo

a) F 35 + F 25 =

b) F 25 + F 45 =

c) F 55 + F 35 =

d) F 75 - F 25 =

d) F 85 − F 45 =

e) F 45 − F 35 =

f) F 35 + F 45 =

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 mugasobanurire bagenzi banyu mutari kumwe mu itsinda

3. Uko amafaranga aboneka

Igikorwa cya 1

Mwitegereze 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

Mwitegereze 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

a) Mutoni arashaka kugura icunga n'umwembe. Azabigura F angahe?

b) Gisa yaguze umutobe w'imbuto n'ikigori. yishyuye F angahe?

c) Kangabe yatumye Uwase urupapuro rw'isuku , umuneke n'umugati.Yamuhaye F angahe?

d) Mahame yantumye Butera ikigori n'umugati.Ubwo yamuhaye F angahe?

Igikorwa cya 2

Mwitegereze amashusho, musubize ibibazo bikurikira.

a) Muhizi afite F 750 nagura ikayi n'ikaramu bazamugarurira F angahe ?

b) 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.

a) F 10 = F___ + F___

b) F 20 = F___ + F___

c) F 20 = F___ + F___ + F___ + F___

d) F 50 = F___ + F___ + F___

e) F 100 = F___ + F___

f) F 100 = F___ + F___ + F___ + F___ + F___

g) F 500 = F___ + F___ + F___ + F___ + F___

Igikorwa cya 2

Mwuzuzemo imibare ibura.

a)

b)

c)

d)

e)

f)

g)

6. Gukora urutonde rw'ibintu mbere yo kubigura

Igikorwa cya 1

Mwitegereze 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
2. Isabune= F200
3. Ubunyobwa= 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 ibintu 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.

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 ☐ F 750

b) F 900 ☐ F 100

c) F 800 ☐ F 200

d) F 700 ☐ F 900

e) F 600 ☐ F 600

f) F 500 ☐ F 500

g) F 900 ☐ F 980

h) F 850 ☐ F 950

i) F 750 ☐ F 850

j) F 650 ☐ F 750

k) F 550 ☐ F 350

l) F 450 ☐ F 400

Igikorwa cya 2

Tondeka amafaranga uhereye ku make ujya ku menshi.

a) F 100, F 250, F 50

b) F 600, F 800, F 750

c) F 900, F 700, F 600

d) F 450, F 300, F 150

e) F 500, F 750, F 650

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

b) F 750, F 620, F 600

c) F 700, F 900, F 800

d) F 150, F 850, F 450

e) F 800, F 350, F 950

f) F 150, F 450, F 500

g) F 750, F 500, F 700

h) F 950, F 380, F 850

i) F 550, F 150, F 650

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 =

b) F 910 – F 500 =

c) F 800 – F 200 =

d) F 350 + F 450 =

e) F 700 – F 600 =

f) F 400 + F 500 =

g) F 200 + F 800 =

h) F 900 – F 500 =

i) F 250 + F 600 =

j) F 500 + F 450 =

k) F 600 – F 300 =

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 x 2 =F

b) F 80 : 4 = F

c) F 300 : 3 = F

d) F 120 × 4 =F

e) F 200 × 3 =F

f) F 100 × 5 =F

e) F 65 × 10 =F

f) F 324 : 4 = F

g) F 250 : 5 =F

h) F 100 : 6 = F

i) F 100 × 10 = F

j) F 440 × 2 = F

k) F 200 × 4 = F

l) F 60 × 6 = F

k) F 550 : 5 = F

l) F 100 × 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?

Igisubizo:

Arabura F 950 - F 750= F 200

Arabura F 200

$$\begin{array}{r} 950 \\ -\ 750 \\ \hline 200 \end{array}$$

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:

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

Azazigura F 400 X 2 = F 800
Azazigura F 800

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, nakwishyura 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 ☐
   (b) F 100 = F 50 + F 20 + F ☐ + F 10
   (c) F 50 = F 20 + F 10 + F ☐
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 ☐ Inoti ebyiri za F 500
   (b) F 300 ☐ Ibiceri 2 bya F 100
5. Tondeka aya mafaranga uhereye 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 uhereye 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 imujyana 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?

Umutwe wa 9

Isaha, amezi y'umwaka, n'iminsi ya buri kwezi

1. Kuvuga igihe kerekanwa n'isaha

(a) Isaha yuzuye

Igikorwa cya 1

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

Igikorwa cya 2

Mwitegereze 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'ebyiri
7 : 00	saa moya
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

Mwitegereze, muvuge igihe.

a

Ni saa_____

b

Ni saa_____

c

Ni saa_____

d

Ni saa_____

a.

Ni saa_____

b.

Ni saa_____

c.

Ni saa_____

d.

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. Itegereze 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
b. Saa mbiri
c. Saa tanu
d. Saa yine

(b) Isaha irengaho iminota 30

Igikorwa cya 6

Mwitegereze 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

Imyitozo

Itegereze amasaha akurikira maze uvuge igihe:

Ni saa_____

Ni saa_____

Ni saa_____

Ni saa_____

Ni saa_____

Ni saa_____

Ni saa_____

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

Mwitegereze 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
25	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.

- Ukwezi kugira ibyumweru 4.
- Umwaka ukagira ibyumweru 52.
- Umwaka usanzwe ugira iminsi 365 naho umwaka ufite ukwezi kwa kabiri gufite 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

Mwitegereze amashusho, mukore urutonde rw'ibintu 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
kwinjira 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	_____
_____	28/29	_____	31
Werurwe	_____	Nzeri	_____
_____	30	_____	31
Gicurasi	_____	Ugushyingo	_____
_____	30	_____	31

Umutwe wa 10

Amoko y'imfuruka n'imirongo

0. Imyitozo yo kwiyibutsa

Igikorwa cya 1

Garagaza amazina y'imirongo ikurikira:

a.

b.

c.

d.

e.

f.

g.

Igikorwa cya 2

Garagaza amazina y'amashusho akurikira:

a.

b.

Igikorwa cya 3

Vuga izina ry'imfuruka zikurikira:

a.

b.

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 y'imirongo ikurikira:

a.

b.

c.

(b) Imirongo ifunze

Igikorwa cya 4

Mwitegereze imirongo ikurikira, muvuge uko iteye.

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.

Igikorwa cya 7

Shushanya:

a) Umurongo ufunguye ibumoso

b) umurongo ufunguye hejuru

Nsobanukiwe ko:

Imirongo ifunguye ari imirongo idafunze.

Imyitozo

Vuga amazina y'imirongo ikurikira

(c) Imirongo ivunaguye

Igikorwa cya 8

Mwitegereze 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

Mwitegereze 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.

Igikorwa cya 3

Mwitegereze ibintu biri mu ishuri, mwerekane ibifite imfuruka igororotse

(b) Imfuruka ifunganye

Igikorwa cya 4

Mwitegereze amashusho, muyaganireho.

a

b

c

Nsobanukiwe ko:

Imfuruka ifunganye igizwe n'imirongo ibiri: umwe utambitse cyangwa uhagaze n'undi uberamiye iburyo .

Igikorwa cya 5

Mwifashishije uduti cyangwa uducamurongo mukore imfuruka ifunganye.

(c) Imfuruka yagutse

Igikorwa cya 6

Mwitegereze 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 igororotse, imfuruka yagutse n'imfuruka ifunganye

Igikorwa cya 9

Mwitegereze amashusho, mugereranye imfuruka.

a.

b.

c.

Nsobanukiwe ko:

- Imfuruka **igororotse** iruta imfuruka **ifunganye**
- Imfuruka **yagutse** iruta imfuruka **igororotse**
- Imfuruka **yagutse** iruta imfuruka **ifunganye**
- Imfuruka **ifunganye** irutwa n'imfuruka **igororotse**
- Imfuruka **ifunganye** irutwa n'imfuruka **yagutse**

ISUZUMA RISOZA UMUTWE WA 10

1. Garagaza amazina n'ubwoko bw'imirongo n'imfuruka

2. Subiza yego cyangwa oya
   (a) Imfuruka yagutse iruta imfuruka igororotse
   (b) Imfuruka yagutse irutwa n'imfuruka ifunganye
   (c) Imfuruka igororotse iruta imfuruka ifunganye
3. Shushanya
   (a) Imfuruka igororotse
   (b) Umurongo ufunze
   (c) Umurongo ugororotse uberamiye iburyo
   (d) Imfuruka yagutse
   (e) Umurongo uhagaze ugororotse
   (f) Imfuruka ifunganye
   (g) Umurongo ugororotse utambitse

Umutwe wa 11

Ikinyatuzu

0. Imyitozo yo kwiyibutsa ikinyatuzu

a) Huza A na B, B na C uvuge izina ry'imfuruka ubonye

b) Huza A na C, C na B uvuge izina ry'imfuruka ubonye

a) Huza A na B, B na C uvuge izina ry'imfuruka ubonye

b) Huza D na E, E na F uvuge izina ry'imfuruka ubonye

1. Ibiranga ikinyatuzu

Igikorwa cya 1

Mwitegereze amashusho, muyaganireho.

Inkingi

Imbariro

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 ku kinyatuzu

Igikorwa cya 3

Mwitegereze uko bashyira akadomo mu kinyatuzu, mubiganireho.

A.

B.

Igikorwa cya 4

Shyira akadomo mu kinyatuzu:

a) Akadomo A ku ihuriro ry'inkingi ya 2 n'urubariro rwa 4

b) 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 baranga 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.

Umutwe wa 12

Kare, urukiramende na mpandeshatu

1. Kare

(a) Ibiranga kare

Igikorwa cya 1

Mwitegereze aya mashusho, mupime uburebure bw'impande, maze muvuge uko impande n'imfuruka zayo zimeze.

a.

b.

Nsobanukiwe ko:

Kare igira impande 4 zingana n'imfuruka 4 zigororotse.

Igikorwa cya 2

Mu mashusho akurikira mugaragaze Kare, muvuge impamvu ari yo mwahisemo:

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

= cm23 + cm23 + cm23 + cm23 = cm92

Uburyo bwa 2: **Umuzenguruko = cm23 × 4 = cm92**

Igikorwa cya 6

Mukore ibi bikurikira mukurikije urugero mwahawe:

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

Mwitegereze 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:

Umuzenguruko = cm 8 + cm 8 + cm 4 **+ cm** 4
= cm 24

Uburyo bwa 2:

Umuzenguruko = (cm 8 + cm 4 **) x 2 = cm 2**4

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.

2 Mushake ibintu bifite ishusho ya mpandeshatu biri mu ishuri ryanyu.

Nsobanukiwe ko:

Mpandeshatu ari ishusho ifite impande 3 n'imfuruka eshatu

Igikorwa cya 3

Mukore amashusho ya mpandeshatu, mu rupapuro muyakate, muyereke bagenzi banyu.

(b) Gushaka umuzenguruko wa mpadeshatu

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

(a)

(d)

(g)

(b)

(e)

(h)

(c)

(f)

(i)

5. Shaka umuzenguruko w'umurima wa:

(a) Kare ufite m 80 z'uruhande.

(b) Urukiramende ufite m 54 z'uburebure na m 40 z'ubugari.

(c) Mpandeshatu ufite m 25, m 27 na m 30.

6. Shaka umuzenguruko w'aya mashusho

Umutwe wa 13

Umubare ubura mu iteranya, ikuramo, ikuba n'igabanya ry'imibare

1. Guteranya no gukuramo utahura umubare ubura

Igikorwa cya 1

Mwitegereze ishusho, mwuzuze umubare ubura muvuge uko mwawubonye.

Igikorwa cya 2

Mutahure umubare ubura.

a) 15 + ☐ = 23

b) 24 + ☐ = 40

c) 45 + ☐ = 79

d) 34 + ☐ = 55

e) 49 + ☐ = 60

f) 71 + ☐ = 99

Nsobanukiwe ko:

Iyo ushaka umubare ubura mu iteranya ry'imibare ibiri, ufata igisubizo ugakuramo umubare baguhaye.

Igikorwa cya 3

Mwitegereze ishusho mwuzuze umubare ubura, muvuge uko mwawubonye.

Igikorwa cya 4

Mutahure umubare ubura.

a) 39 - ☐ = 19
b) 45 - ☐ = 30
c) 62 - ☐ = 38
d) 39 - ☐ = 11
e) 74 - ☐ = 24
f) 47 - ☐ = 27

Nsobanukiwe ko:

Iyo ushaka umubare ubura mu ikuramo ry'imibare ibiri, ufata umubare baguhaye ugakuramo igisubizo baguhaye.

Igikorwa cya 5

Mwitegereze ishusho, mwuzuze umubare ubura, muvuge uko mwawubonye.

Igikorwa cya 6

Mutahure umubare ubura.

a) ☐ - 39 = 61 c) ☐ - 64 = 27

b) ☐ - 54 = 87 d) ☐ - 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

```
  7 2 6
+ 1 7 3
-------
  8 9 9
```

→ 9 - 2 = 7

Urugero rwa 2

```
  4 8 8
- 1 7 2
-------
  3 1 6
```

→ 7 + 1 = 8

a)
```
  406
+ 37☐
-----
  779
```

d)
```
  9☐9
-  662
-----
  327
```

g)
```
  ☐82
+  917
-----
  _99
```

j)
```
  37☐
+  625
-----
  997
```

b)
```
  275
+ 5☐4
-----
  779
```

e)
```
  997
−  ☐76
-------
  421
```

g)
```
  ☐24
+  662
-------
  986
```

k)
```
  314
+  49☐
-------
  809
```

c)
```
  937
+ 8☐6
-----
  101
```

f)
```
  342
+  ☐35
-------
  777
```

i)
```
  674
-  3☐2
-------
  372
```

l)
```
  874
-  65☐
-------
  221
```

2. Gukuba no kugabanya utahura umubare ubura

Igikorwa

Tahura umubare ubura ukurikije urugero wahawe.

Urugero:

a) 3 x 4 = 12 ⟶ (12 ÷ 4 = 3)

b) 5 x 4 = 20 ⟶ (20 ÷ 5 = 4)

c) 27 ÷ 3 = 9 ⟶ (9 x 3 = 27)

d) 15 ÷ 5 = 3 ⟶ (15 ÷3 = 5)

a) ☐ × 3 = 15	d) 4 × ☐ = 20	g) 6 × ☐ = 36
b) 3 × ☐ = 48	e) 4 × ☐ = 28	h) ☐ : 6 = 6
c) ☐ : 3 = 9	f) ☐ : 4 = 8	i) ☐ : 5 =7

Nsobanukiwe ko:

- Iyo utahura umubare ubura harimo ikimenyetso cyo (x) ufata igisubizo ukakigabanya n'umubare baguhaye.
- Iyo utahura umubare ubura harimo ikimenyetso cyo kugabanya (:) ufata igisubizo ukagikuba n'umubare baguhaye.

Reka nkore

a) ☐ : 2 = 24	d) 4 × ☐ = 88	g) ☐ : 3 = 33
b) 6 × ☐ = 48	e) ☐ x 3 = 99	h) 5 x ☐ = 55
c) ☐ : 5 = 61	f) 69: ☐ = 23	i) ☐ : 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 ⟶ 60-45 = 15, 75-60= 15, 90-75=15.
Ubwo intera idahinduka ni 15

b) 165, 155, 145, 135
Intera idahinduka ⟶ 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 uhereye **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, ☐, 65

b) 18, 25, 32, ☐, 46

c) 25, 50, 75, ☐, 125

d) 10, 20, 30, ☐, 50

e) 11, 22, 33, ☐, 55

f) 60, 75, 90, ☐, ☐

g) 100, 85,70, ☐, ☐

h) 148, 140, 132, ☐, ☐

i) 19, 30, 41, ☐, ☐

j) 55, 70, 85, ☐, ☐

k) 100, 150, 200, ☐, ☐

l) 32, 40, 48, ☐, ☐

m) 32, 64, 96 , ☐, ☐

n) 250, 200, 150, ☐, ☐

o) 700, 600, 500, ☐, 300

p) 115, 105, 95, ☐, ☐

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. Intera idahinduka ni ....
   b) 22, 40, 58, 76. Intera idahinduka ni ....
   c) 93, 80, 67, 54 Intera idahinduka ni ....

ISUZUMA RISOZA UMUTWE WA 13

1. Uzuzamo umubare ubura
   (a) ☐ + 950 = 999
   (b) 653 + ☐ = 785
   (c) ☐ – 357 = 421
   (d) 935 – ☐ = 624
   (e) ☐ × 6 = 48
   (f) 5 × ☐ = 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)	(b)	(c)
4☐6	98☐	6☐
+ 492	– 566	× 6
898	423	366

4. Erekana umubare ubura
   (a) 48, 54, 60, ☐, ☐, 78
   (b) 81, 72, 63, ☐, 45, ☐
   (c) 95, 105, 115, ☐, ☐, ☐
   (d) 900, 800, 700, ☐, 500, ☐
   (e) 375, 400, 425, ☐, 475, ☐
   (f) 675, 690, 705, ☐, ☐, 750
   (g) 840, 820, 800, ☐, 760, ☐

Umutwe wa 14

Ibishushanyo byifashishwa mu kubara

1. Gukora amatsinda y'ibintu ukoresheje igishushanyo

Igikorwa

Mwitegereze amashusho, mubare ibisa maze mubiganireho.

2. Gusesengura ibishushanyo byifashishwa mu mibare

Igikorwa

Mwitegereze, 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. Mwitegereze 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

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 ☐ 342 (c) 970 ☐ 907
   (b) 325 ☐ 325 (e) 561 ☐ 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)	(b)	(c)	(d)	(e)
91	72	93	64	43
× 6	× 4	× 3	× 2	× 2
____	____	____	____	____

10. Gabanya iyi mibare

(a) 996 : 2 = (c) 975 : 5 =

(b) 792 : 3 = (d) 648 : 4 =

11. Uzurisha 10 cyangwa 100

(a) 45 × ☐ = 450 (b) 7 × ☐ = 700

(c) 99 × ☐ = 990 (d) 9 × ☐ = 900

12. Uzuza n'imibare ibura

(a) 945, 900, 855 , ☐, ☐

(b) 900, 700, 600, ☐, ☐

13. Uzuza izi mbonerahamwe

(a) × 2	1	2	3	4	5	6	7	8	9	10
	___	___	___	___	___	___	___	___	___	___
(b) × 3	1	2	3	4	5	6	7	8	9	10
	___	___	___	___	___	___	___	___	___	___
(c) × 4	1	2	3	4	5	6	7	8	9	10
	___	___	___	___	___	___	___	___	___	___
(d) × 5	1	2	3	4	5	6	7	8	9	10
	___	___	___	___	___	___	___	___	___	___
(e) × 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 × 4 = dm ☐

(c) dm 75 + dm 250 = m ☐

(d) ℓ 121 × 4 = ℓ ☐

(e) kg 455 + kg 544 = kg ☐

(f) kg 715 − kg 673 = kg ☐

(g) ℓ 245 + ℓ 655 = ℓ ☐

(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:

a)

b)

c)

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 ℓ550. Ejo nitumesa tuzameshesha ℓ 350.Hazasigara ℓzingahe?

(j) Itegereze iyi shusho y'umuhanda 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.