



Date:

Hello



## Do you know your numbers?

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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



NEW EDITION

Score:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Date:

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



# Exercise 1a (Mixed numbers) Smallest first



Date:

Example:



$$27 \quad 30 \quad 26 \quad 29 \quad 28 = \underline{26} \quad \underline{27} \quad \underline{28} \quad \underline{29} \quad \underline{30}$$

**Now do these:**

First numbers are written.

1. 19    20    17    18    16    =    16    \_\_\_\_\_
2. 33    30    31    32    29    =    29    \_\_\_\_\_
3. 49    47    50    46    48    =    46    \_\_\_\_\_
4. 67    70    69    66    68    =    66    \_\_\_\_\_
5. 84    81    85    82    83    =    81    \_\_\_\_\_
6. 99    102    100    98    101    =    98    \_\_\_\_\_
7. 58    60    57    56    59    =    56    \_\_\_\_\_
8. 77    79    76    80    78    =    76    \_\_\_\_\_
9. 97    98    96    99    95    =    95    \_\_\_\_\_
10. 39    40    38    42    41    =    38    \_\_\_\_\_



NEW EDITION

Score: \_\_\_\_\_

## Exercise 1b

Date:



**Example:**

$$127 \ 126 \ 125 \ 124 \ 123 = \underline{123} \ \underline{124} \ \underline{125} \ \underline{126} \ \underline{127}$$

**Re-write:**

1. 140    139    138    137    136    =    \_\_\_\_\_
2. 129    128    127    126    125    =    \_\_\_\_\_
3. 145    144    143    142    141    =    \_\_\_\_\_
4. 156    155    154    153    152    =    \_\_\_\_\_
5. 185    184    183    182    181    =    \_\_\_\_\_
6. 150    149    148    147    146    =    \_\_\_\_\_
7. 169    168    167    166    165    =    \_\_\_\_\_
8. 178    177    176    175    174    =    \_\_\_\_\_
9. 136    135    134    133    132    =    \_\_\_\_\_
10. 200    199    198    197    196    =    \_\_\_\_\_



## Exercise 1c

1 2 3 4 5 6 7 8 9

Date:



Example:

$$\begin{array}{cccccc} 32 & 31 & 30 & 29 & 28 & = 28 \end{array} \quad \begin{array}{cccccc} 29 & 30 & 31 & 32 & & \end{array}$$

1. 23 22 21 20 19 = \_\_\_\_\_
2. 26 25 24 23 22 = \_\_\_\_\_
3. 12 11 10 9 8 = \_\_\_\_\_
4. 38 37 36 35 34 = \_\_\_\_\_
5. 49 48 47 46 45 = \_\_\_\_\_
6. 56 55 54 53 52 = \_\_\_\_\_
7. 73 72 71 70 69 = \_\_\_\_\_
8. 100 99 98 97 96 = \_\_\_\_\_
9. 87 86 85 84 83 = \_\_\_\_\_
10. 69 68 67 66 65 = \_\_\_\_\_



NEW EDITION

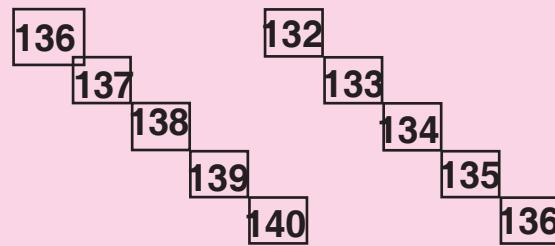
Score: \_\_\_\_\_

## Exercise 2a



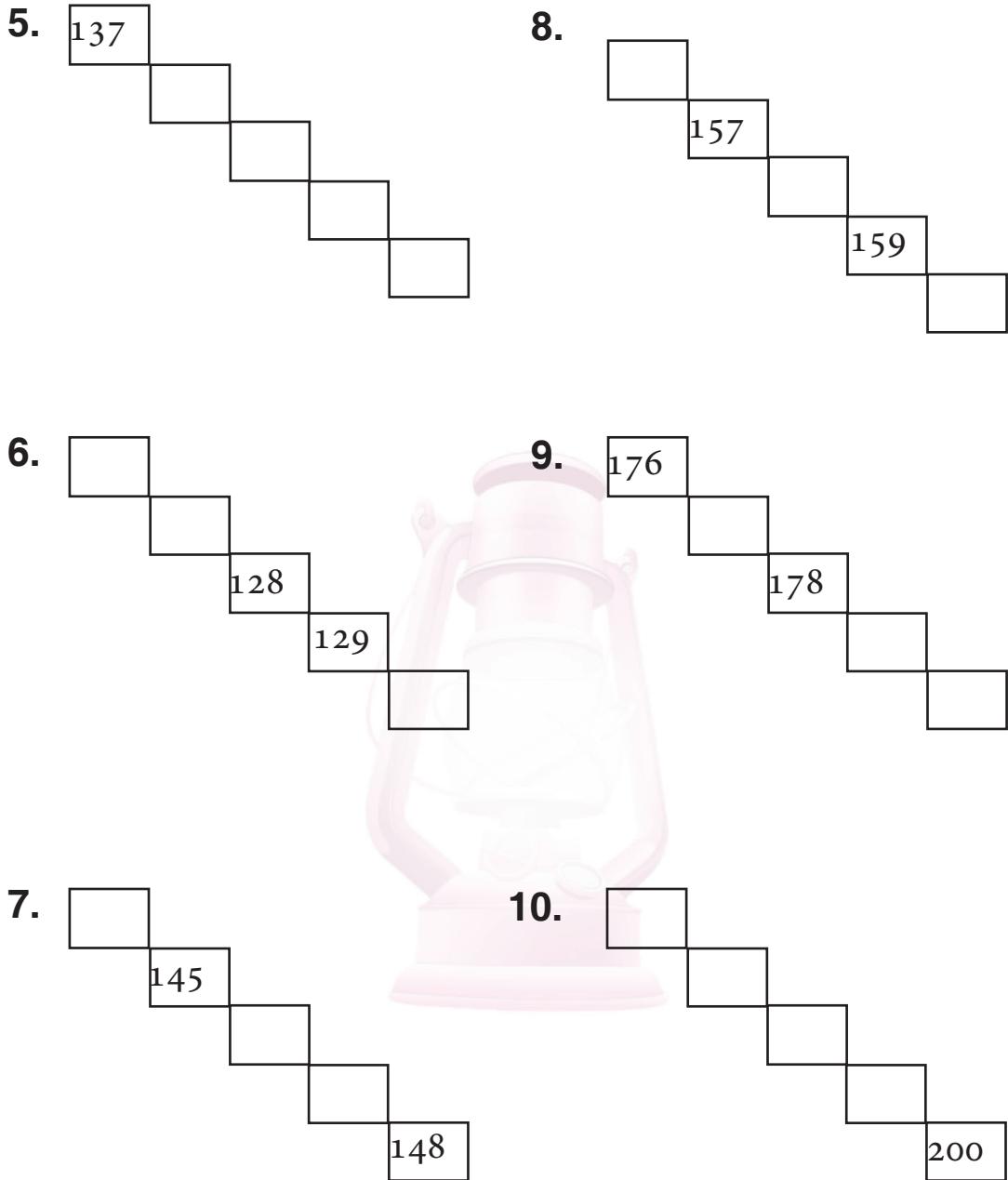
Date:

Example:



1. 151
3. 112
2. 142
4. 123
- 115
- 155
- 127



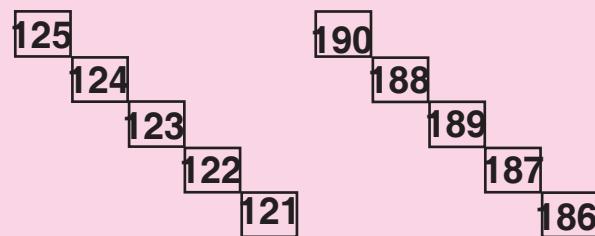


## Exercise 2b

Date:



Example:



1.

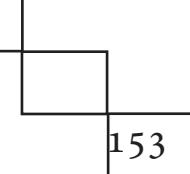
126



3.

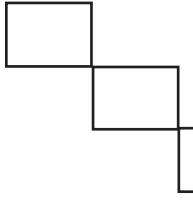


156



153

2.



178

177

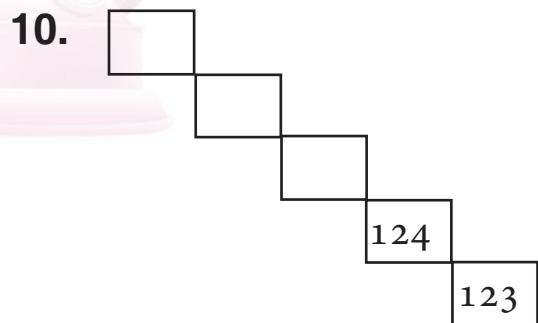
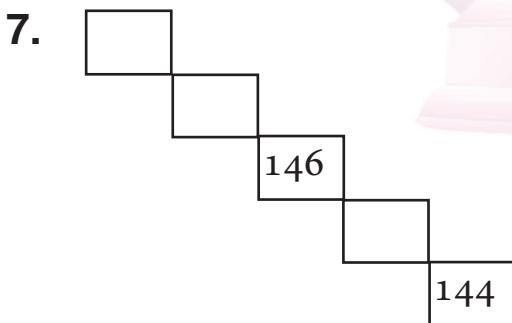
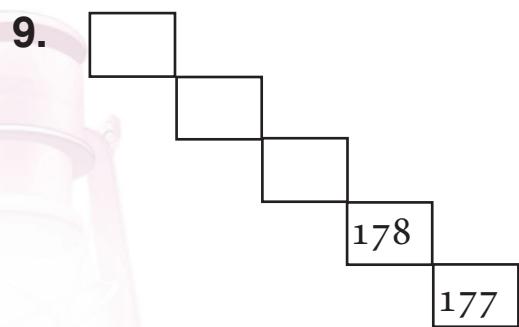
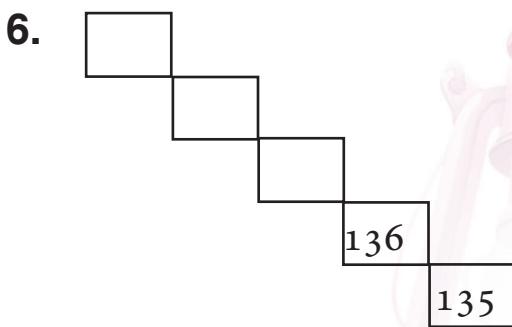
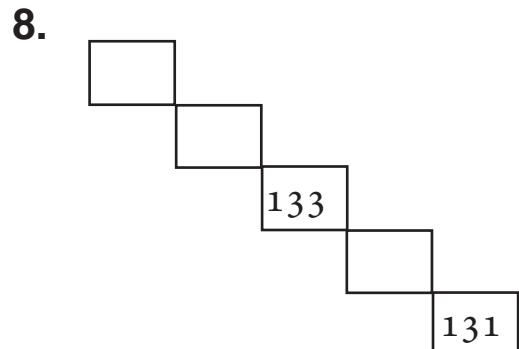
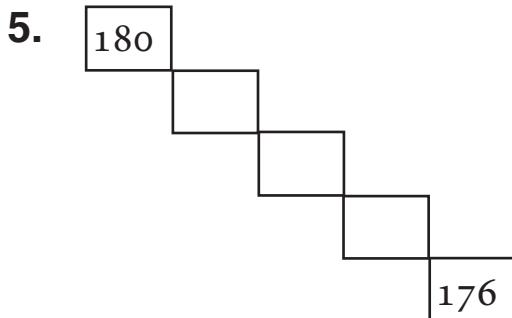
4.



160

159







Example:

*Put in the right order.*

<b>149</b>	<b>126</b>	<b>138</b>	<b>154</b>	<b>180</b>
<b><u>126</u></b>	<b><u>138</u></b>	<b><u>149</u></b>	<b><u>154</u></b>	<b><u>180</u></b>

1.	<b>58</b>	<b>63</b>	<b>25</b>	<b>40</b>	<b>83</b>
—	—	—	—	—	—
2.	<b>120</b>	<b>133</b>	<b>105</b>	<b>114</b>	<b>121</b>
—	—	—	—	—	—
3.	<b>61</b>	<b>59</b>	<b>33</b>	<b>42</b>	<b>67</b>
—	—	—	—	—	—
4.	<b>166</b>	<b>146</b>	<b>156</b>	<b>136</b>	<b>126</b>
—	—	—	—	—	—
5.	<b>37</b>	<b>73</b>	<b>47</b>	<b>27</b>	<b>97</b>
—	—	—	—	—	—
6.	<b>105</b>	<b>103</b>	<b>110</b>	<b>127</b>	<b>99</b>
—	—	—	—	—	—
7.	<b>80</b>	<b>60</b>	<b>50</b>	<b>40</b>	<b>70</b>
—	—	—	—	—	—
8.	<b>73</b>	<b>28</b>	<b>13</b>	<b>44</b>	<b>58</b>
—	—	—	—	—	—
9.	<b>93</b>	<b>42</b>	<b>23</b>	<b>82</b>	<b>63</b>
—	—	—	—	—	—
10.	<b>68</b>	<b>62</b>	<b>56</b>	<b>43</b>	<b>80</b>
—	—	—	—	—	—



### Exercise 3b

### More mixed numbers

Date:



Example:



$$126 \ 129 \ 130 \ 128 \ 127 = \underline{126} \ \underline{127} \ \underline{128} \ \underline{129} \ \underline{130}$$

1. 138    134    137    135    136    =    \_\_\_\_\_

2. 183    187    184    186    185    =    \_\_\_\_\_

3. 129    130    132    133    131    =    \_\_\_\_\_

4. 166    169    170    168    167    =    \_\_\_\_\_

5. 149    147    148    146    150    =    \_\_\_\_\_

6. 188    191    190    189    187    =    \_\_\_\_\_

7. 159    156    158    157    155    =    \_\_\_\_\_

8. 178    177    175    179    176    =    \_\_\_\_\_

9. 117    120    118    116    119    =    \_\_\_\_\_

10. 166    164    168    167    165    =    \_\_\_\_\_



NEW EDITION

Score:

### Exercise 3c

### Re-arrange (Mixed numbers)

Date:



**Example:**



197  
62

105  
87

87  
105

62  
120

120  
197

- |     |          |          |          |          |          |
|-----|----------|----------|----------|----------|----------|
| 1.  | 150      | 130      | 140      | 180      | 120      |
| 2.  | —<br>80  | —<br>50  | —<br>90  | —<br>70  | —<br>60  |
| 3.  | —<br>71  | —<br>83  | —<br>69  | —<br>55  | —<br>43  |
| 4.  | —<br>129 | —<br>119 | —<br>198 | —<br>148 | —<br>133 |
| 5.  | —<br>190 | —<br>175 | —<br>165 | —<br>138 | —<br>125 |
| 6.  | —<br>200 | —<br>189 | —<br>199 | —<br>179 | —<br>169 |
| 7.  | —<br>179 | —<br>155 | —<br>80  | —<br>52  | —<br>107 |
| 8.  | —<br>84  | —<br>19  | —<br>73  | —<br>66  | —<br>58  |
| 9.  | —<br>183 | —<br>175 | —<br>190 | —<br>177 | —<br>140 |
| 10. | —<br>200 | —<br>177 | —<br>193 | —<br>120 | —<br>134 |
|     | —<br>—   | —<br>—   | —<br>—   | —<br>—   | —<br>—   |



**More numbers to know**

201	202	203	204	205
206	207	208	209	210
211	212	213	214	215
216	217	218	219	220
221	222	223	224	225
226	227	228	229	230
231	232	233	234	235
236	237	238	239	240
241	242	243	244	245
246	247	248	249	250
251	252	253	254	255
256	257	258	259	260
261	262	263	264	265
266	267	268	269	270
271	272	273	274	275
276	277	278	279	280
281	282	283	284	285
286	287	288	289	290
291	292	293	294	295
296	297	298	299	300
301	302	303	304	305



306	307	308	309	310
311	312	313	314	315
316	317	318	319	320
321	322	323	324	325
326	327	328	329	330
331	332	333	334	335
336	337	338	339	340
341	342	343	344	345
346	347	348	349	350
351	352	353	354	355
356	357	358	359	360
361	362	363	364	365
366	367	368	369	370
371	372	373	374	375
376	377	378	379	380
381	382	383	384	385
386	387	388	389	390
391	392	393	394	395
396	397	398	399	400

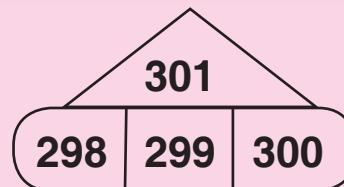


## Exercise 4a

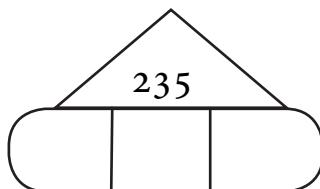


Date:

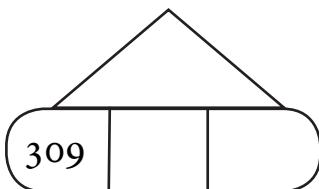
Example:



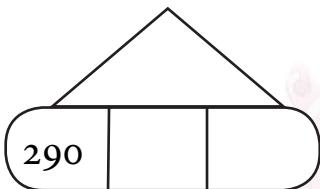
1.



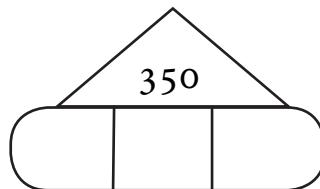
6.



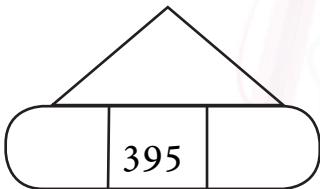
2.



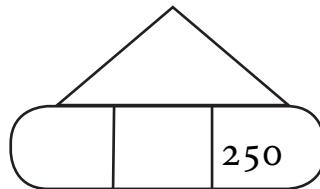
7.



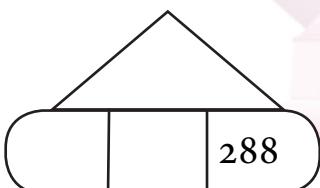
3.



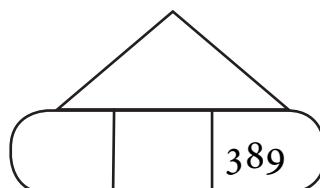
8.



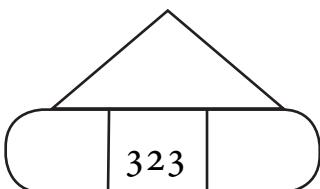
4.



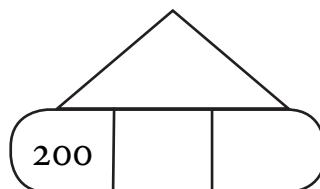
9.



5.



10.



NEW EDITION

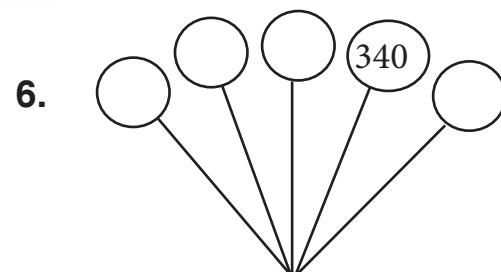
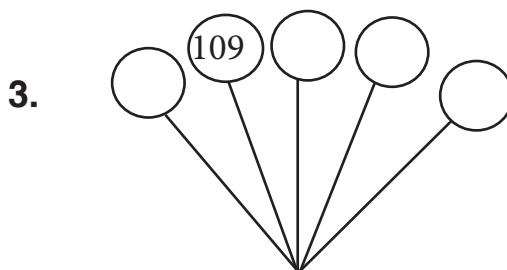
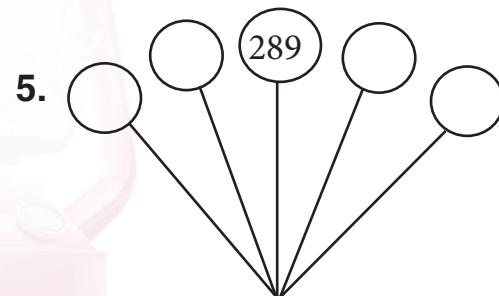
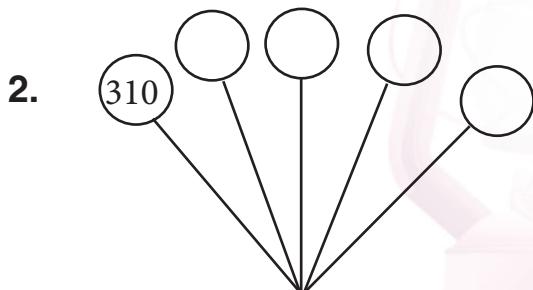
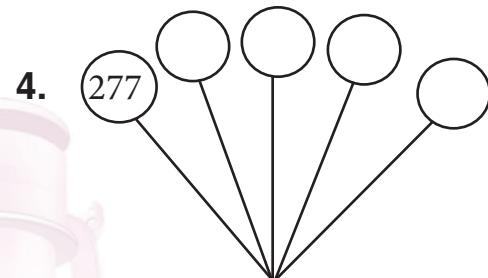
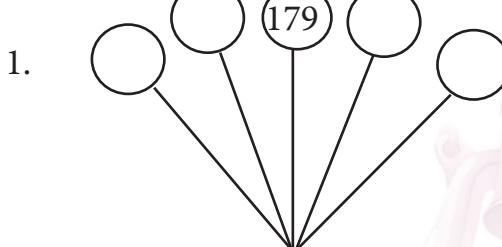
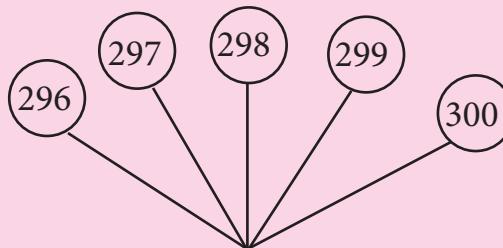
Score:

## Exercise 4b



Date:

Example:



7. 279
11. 377
8. 205
12. 406
9. 250
13. 314
10. 390
14. 234



## Exercise 5a

Date:



Example:

$$220 \quad 139 \quad 105 \quad \textcircled{101} \quad 200 = \underline{101}$$

**Circle and write out the smallest number:**

1. 325    241    263    400    240    = \_\_\_\_\_
2. 193    176    67    314    280    = \_\_\_\_\_
3. 294    86    77    304    116    = \_\_\_\_\_
4. 46    36    26    16    56    = \_\_\_\_\_
5. 346    217    33    74    86    = \_\_\_\_\_
6. 214    114    14    24    34    = \_\_\_\_\_
7. 66    75    42    55    40    = \_\_\_\_\_
8. 307    317    372    370    30    = \_\_\_\_\_
9. 81    18    28    48    38    = \_\_\_\_\_
10. 241    400    363    174    140    = \_\_\_\_\_



## Exercise 5b

1 2 3 4 5 6 7 8 9 

Date:

Example:



$$127 \quad 304 \quad \textcircled{400} \quad 62 \quad 210 = \underline{400}$$

**Circle and write out the biggest number:**

1. 402    302    102    202    20 = \_\_\_\_\_
2. 71    61    51    31    21 = \_\_\_\_\_
3. 333    222    111    404    80 = \_\_\_\_\_
4. 243    98    376    129    302 = \_\_\_\_\_
5. 363    243    53    123    32 = \_\_\_\_\_
6. 124    241    324    203    331 = \_\_\_\_\_
7. 321    299    399    199    99 = \_\_\_\_\_
8. 105    205    305    400    59 = \_\_\_\_\_
9. 86    68    98    298    398 = \_\_\_\_\_
10. 214    363    280    333    210 = \_\_\_\_\_



NEW EDITION

Score: \_\_\_\_\_

**Example:**

123

114

156

214

312

312 114

**Circle and write out the biggest and smallest number:**

1. 89    67    210    213    45     $\Rightarrow$  \_\_\_\_\_

2. 314    215    118    246    309     $\Rightarrow$  \_\_\_\_\_

3. 47    74    64    46    86     $\Rightarrow$  \_\_\_\_\_

4. 399    299    89    199    70     $\Rightarrow$  \_\_\_\_\_

5. 126    304    217    97    320     $\Rightarrow$  \_\_\_\_\_

6. 205    78    305    50    80     $\Rightarrow$  \_\_\_\_\_

7. 133    397    214    137    60     $\Rightarrow$  \_\_\_\_\_

8. 400    318    297    118    90     $\Rightarrow$  \_\_\_\_\_

9. 118    147    273    88    162     $\Rightarrow$  \_\_\_\_\_

10. 334    126    286    31    147     $\Rightarrow$  \_\_\_\_\_



## Exercise 6a

Date:



**Example:**

$$\begin{array}{c} 25 \\ \uparrow \\ 13 + 12 \end{array}$$
$$\begin{array}{c} 46 \\ \uparrow \\ 26 + 20 \end{array}$$

1.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 23 + 21 \end{array}$$

6.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 33 + 24 \end{array}$$

2.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 46 + 3 \end{array}$$

7.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 13 + 3 \end{array}$$

3.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 41 + 41 \end{array}$$

8.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 15 + 5 \end{array}$$

4.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 16 + 11 \end{array}$$

9.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 22 + 3 \end{array}$$

5.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 30 + 10 \end{array}$$

10.

$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ 1 + 18 \end{array}$$

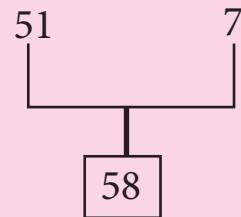
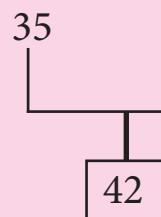


## Exercise 6b



Date:

Example:



1.  $\begin{array}{c} 28 \\ | \\ \square \\ | \\ 11 \end{array}$
5.  $\begin{array}{c} 19 \\ | \\ \square \\ | \\ 20 \end{array}$
9.  $\begin{array}{c} 10 \\ | \\ \square \\ | \\ 24 \end{array}$
2.  $\begin{array}{c} 11 \\ | \\ \square \\ | \\ 26 \end{array}$
6.  $\begin{array}{c} 15 \\ | \\ \square \\ | \\ 15 \end{array}$
10.  $\begin{array}{c} 17 \\ | \\ \square \\ | \\ 13 \end{array}$
3.  $\begin{array}{c} 0 \\ | \\ \square \\ | \\ 23 \end{array}$
7.  $\begin{array}{c} 18 \\ | \\ \square \\ | \\ 11 \end{array}$
4.  $\begin{array}{c} 14 \\ | \\ \square \\ | \\ 14 \end{array}$
8.  $\begin{array}{c} 8 \\ | \\ \square \\ | \\ 17 \end{array}$



## Exercise 7a



Date:

Example:



$$45 - 21$$

$$24$$

$$33 - 10$$

$$23$$

1.

$$23 - 12$$

6.

$$64 - 22$$

2.

$$64 - 43$$

7.

$$68 - 23$$

3.

$$49 - 26$$

8.

$$29 - 27$$

4.

$$37 - 31$$

9.

$$24 - 14$$

5.

$$45 - 10$$

10.

$$82 - 25$$

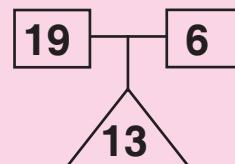
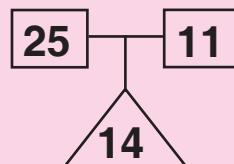


## Exercise 7b

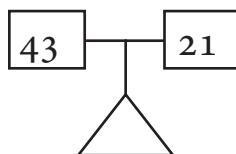


Date:

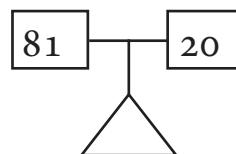
Example:



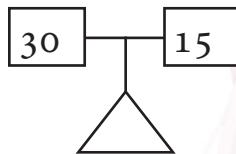
1.



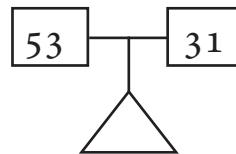
6.



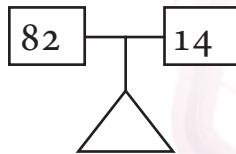
2.



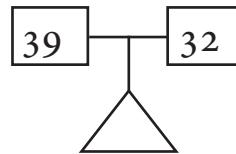
7.



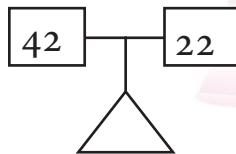
3.



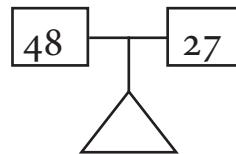
8.



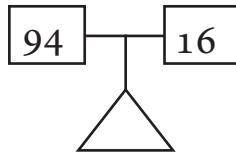
4.



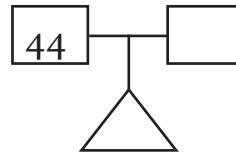
9.



5.



10.



## Exercise 8a

1 2 3 4 5 6 7 8 9 

Date:

### Example:



7

+

3

→

10

14

+

4

→

18

1.  +  →  19

6.  8 +  →  13

2.  15 +  27 →

7.  +  2 →  15

3.  12 +  →  18

8.  12 +  14 →

4.  +  9 →  10

9.  14 +  →  17

5.  +  21 →  36

10.  11 +  →  19

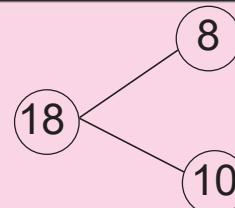
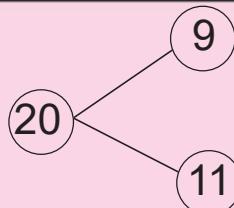
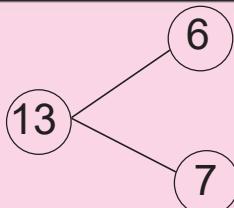


## Exercise 8b

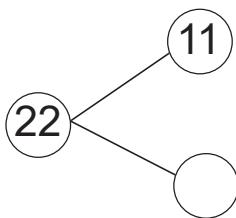


Date:

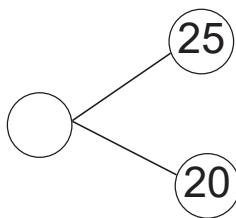
Example:



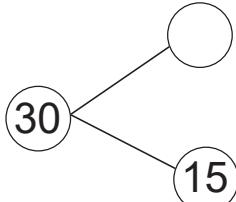
1.



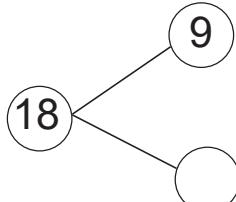
6.



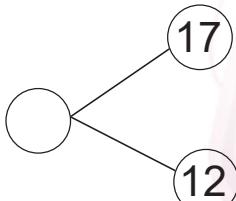
2.



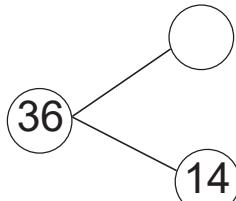
7.



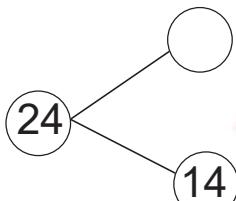
3.



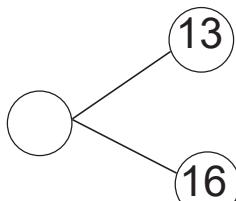
8.



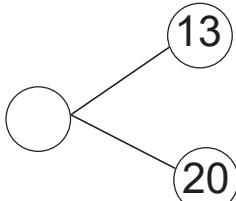
4.



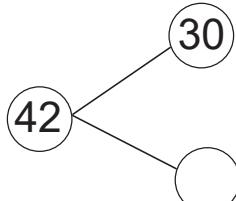
9.



5.



10.



## Exercise 9a



Date:

### Example:



**14**

- **3**

→ **11**

**16**

- **13**

→ **3**

1. **15** - **3** → **□**

6. **16** - **11** → **□**

2. **18** - **16** → **□**

7. **13** - **□** → **13**

3. **17** - **□** → **6**

8. **19** - **□** → **14**

4. **20** - **7** → **□**

9. **11** - **10** → **□**

5. **14** - **11** → **□**

10. **12** - **□** → **1**

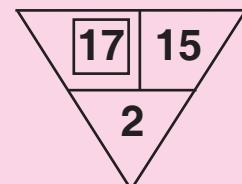
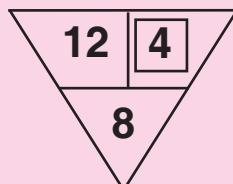
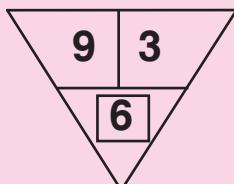


## Exercise 9b

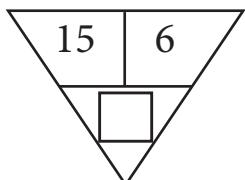
Date:



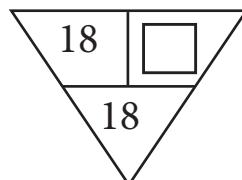
Example:



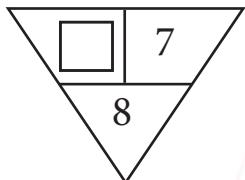
1.



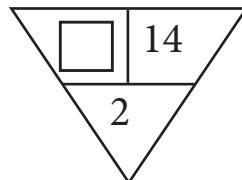
6.



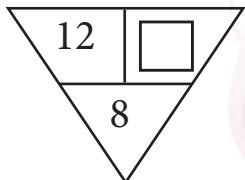
2.



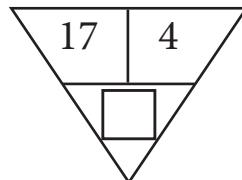
7.



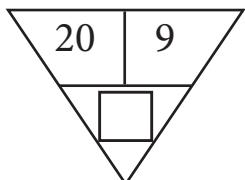
3.



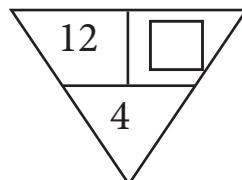
8.



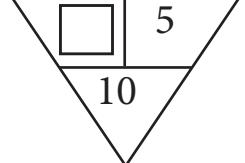
4.



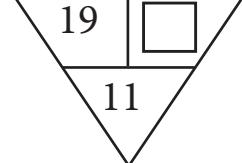
9.



5.



10.





## Can you read these numbers?

301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Date:

421 422 423 424 425 426 427 428 429 430

431 432 433 434 435 436 437 438 439 440

441 442 443 444 445 446 447 448 449 450

451 452 453 454 455 456 457 458 459 460

461 462 463 464 465 466 467 468 469 470

471 472 473 474 475 476 477 478 479 480

481 482 483 484 485 486 487 488 489 490

491 492 493 494 495 496 497 498 499 500

501 502 503 504 505 506 507 508 509 510

511 512 513 514 515 516 517 518 519 520

521 522 523 524 525 526 527 528 529 530

531 532 533 534 535 536 537 538 539 540

541 542 543 544 545 546 547 548 549 550



NEW EDITION

Score:

## Exercise 10a



Date:

### Example:



401 402 403 404 405      449 450 451 452 453

1. 333      336

6. 417

2. 352 353

7. 386

3. 307 309

8. 412 415

4. 446 450

9. 399

5. 400

10. 470



## Exercise 10b



Date:

### Example:



374	376	373	374	375	376	377
186		186	187	188	189	190

- |     |     |     |     |     |  |  |
|-----|-----|-----|-----|-----|--|--|
| 1.  | 190 | 11. | 263 | 264 |  |  |
| 2.  | 479 | 483 | 12. | 359 |  |  |
| 3.  | 394 | 13. | 473 |     |  |  |
| 4.  | 360 | 14. | 489 |     |  |  |
| 5.  | 296 | 15. | 198 |     |  |  |
| 6.  | 209 | 16. | 205 |     |  |  |
| 7.  | 377 | 17. | 279 |     |  |  |
| 8.  | 308 | 18. | 263 |     |  |  |
| 9.  | 390 | 19. | 314 |     |  |  |
| 10. | 250 | 20. | 200 |     |  |  |



**Example:****Study the pattern.****Circle and write out the numbers.****34****46    49****(35)****31****34****35****12****31    41****21****(42)****41****42**

1. 37    73    38    53    43    → \_\_\_\_\_
2. 56    47    86    38    87    → \_\_\_\_\_
3. 89    50    61    87    62    → \_\_\_\_\_
4. 24    64    84    65    48    → \_\_\_\_\_
5. 121    125    122    128    130    → \_\_\_\_\_
6. 63    64    53    56    51    → \_\_\_\_\_
7. 93    90    98    99    94    → \_\_\_\_\_
8. 43    57    63    58    72    → \_\_\_\_\_
9. 83    77    84    70    80    → \_\_\_\_\_
10. 97    95    98    91    90    → \_\_\_\_\_



## Exercise 11b More patterns

Date:



### Example:



398	342	399	310	400	→	398	399	400
429	496	497	420	498	→	496	497	498

**Circle and write out the numbers.**

1. 366    372    354    373    374    → \_\_\_\_\_
2. 493    498    499    496    500    → \_\_\_\_\_
3. 216    332    217    218    240    → \_\_\_\_\_
4. 402    420    403    427    404    → \_\_\_\_\_
5. 466    432    433    439    434    → \_\_\_\_\_
6. 300    301    302    350    360    → \_\_\_\_\_
7. 294    360        295    296    372    → \_\_\_\_\_
8. 187    196    188    200    189    → \_\_\_\_\_
9. 466    413        414    415    432    → \_\_\_\_\_
10. 312    343    348    313    314    → \_\_\_\_\_



# Exercise 11c More patterns to study

Date:



Example:



53	127	62	128	129	→	127	128	129
312	214	313	300	314	→	312	313	314

**Circle and write out the numbers.**

1. 233    275    234    256    235    → \_\_\_\_\_
2. 190    195    196    191    197    → \_\_\_\_\_
3. 311    325    312    330    313    → \_\_\_\_\_
4. 123    124    125    130    137    → \_\_\_\_\_
5. 143    162    152    163    164    → \_\_\_\_\_
6. 239    256    257    283    258    → \_\_\_\_\_
7. 314    359    350    360    361    → \_\_\_\_\_
8. 285    210    286    215    287    → \_\_\_\_\_
9. 309    310    311    338    349    → \_\_\_\_\_
10. 153    183    154    192    155    → \_\_\_\_\_



NEW EDITION

Score: \_\_\_\_\_

## Exercise 12a

Date:



### Example:



14	3
9	8

$$\rightarrow \begin{array}{|c|} \hline 17 \\ \hline 17 \\ \hline \end{array}$$

10	2
7	5

$$\rightarrow \begin{array}{|c|} \hline 12 \\ \hline 12 \\ \hline \end{array}$$

1.  $\begin{array}{|c|c|} \hline 13 & 7 \\ \hline 16 & 4 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

6.  $\begin{array}{|c|c|} \hline 18 & 2 \\ \hline 16 & 4 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

2.  $\begin{array}{|c|c|} \hline 8 & 3 \\ \hline 10 & 1 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

7.  $\begin{array}{|c|c|} \hline 9 & 5 \\ \hline 10 & 4 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

3.  $\begin{array}{|c|c|} \hline 8 & 5 \\ \hline 1 & 12 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

8.  $\begin{array}{|c|c|} \hline 7 & 7 \\ \hline 14 & 0 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

4.  $\begin{array}{|c|c|} \hline 15 & 1 \\ \hline 14 & 2 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

9.  $\begin{array}{|c|c|} \hline 12 & 4 \\ \hline 11 & 5 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

5.  $\begin{array}{|c|c|} \hline 19 & 1 \\ \hline 20 & 0 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

10.  $\begin{array}{|c|c|} \hline 1 & 2 \\ \hline 2 & 1 \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \\ \hline \end{array}$

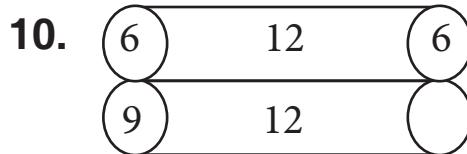
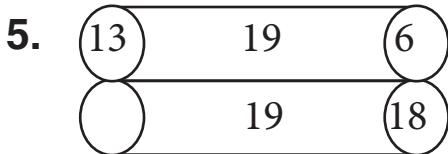
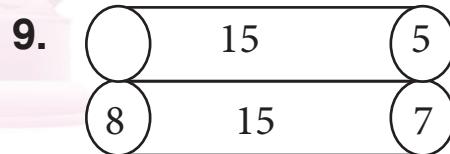
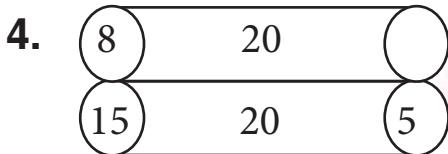
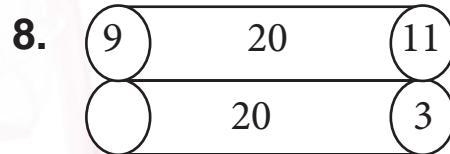
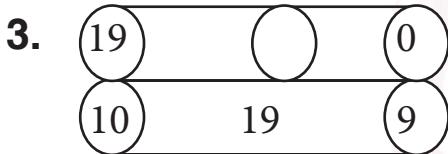
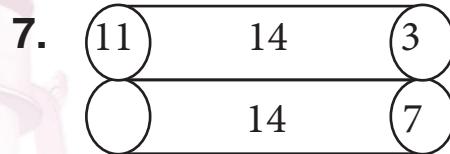
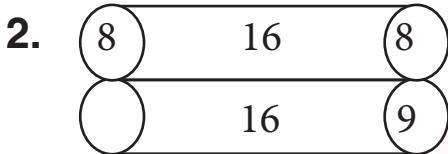
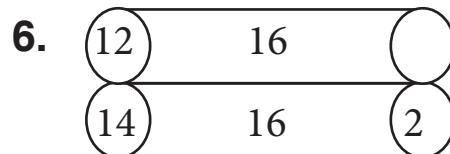
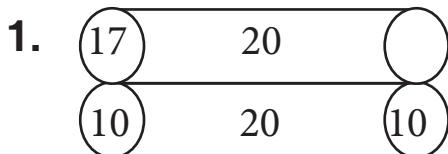
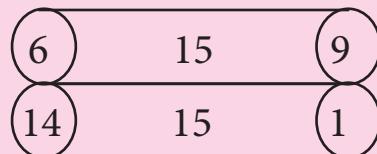
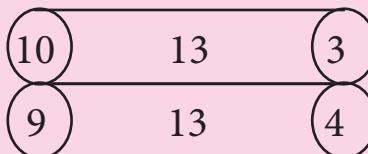


## Exercise 12b



Date:

### Example:

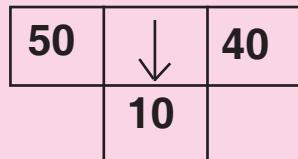


## Exercise 13

Date:



Example:



1. 

25		10
2. 

40		0
3. 

33		11
4. 

28		10
5. 

45		15
6. 

23		10
7. 

41		9
8. 

38		2
9. 

30		0
10. 

35		35



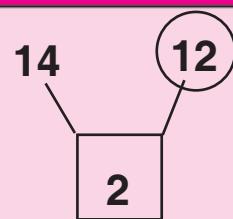
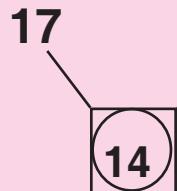
NEW EDITION

## Exercise 14

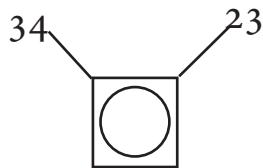
Date:



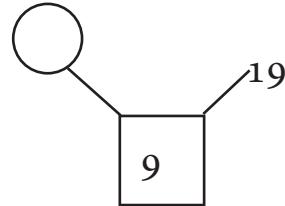
Example:



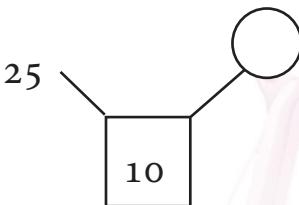
1.



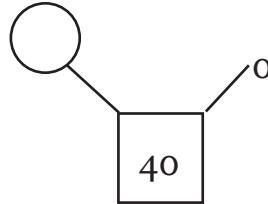
6.



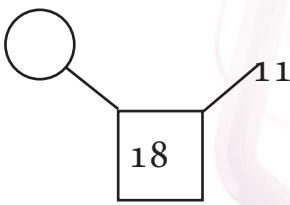
2.



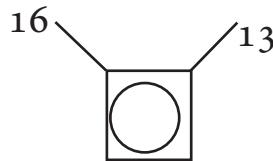
7.



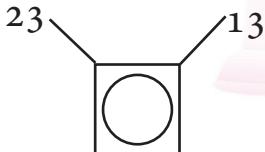
3.



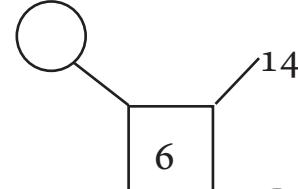
8.



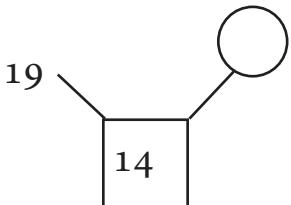
4.



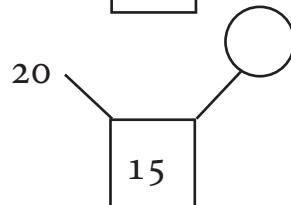
9.



5.



10.



NEW EDITION

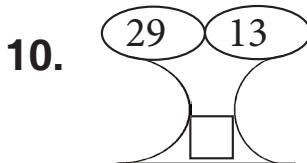
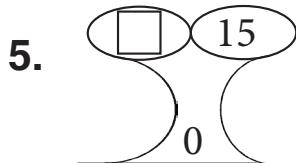
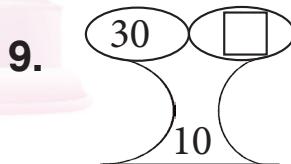
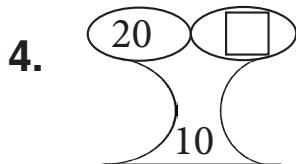
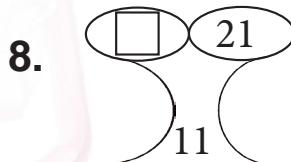
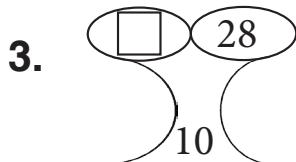
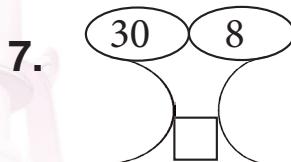
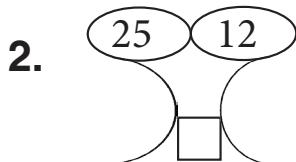
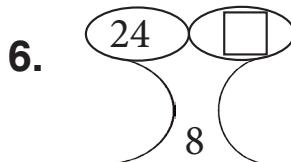
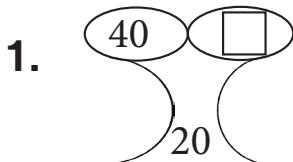
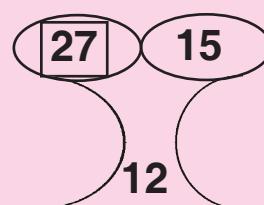
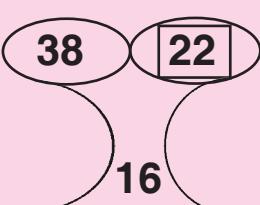
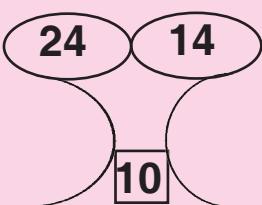
Score:

## Exercise 15a



Date:

Example:

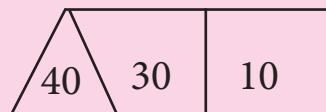


## Exercise 15b

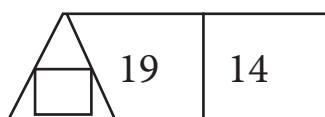


Date:

Example:



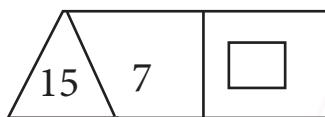
1.



6.



2.



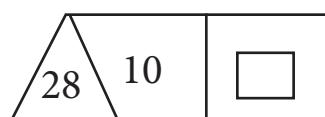
7.



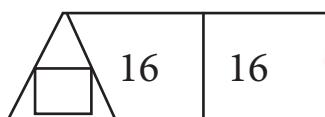
3.



8.



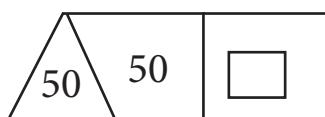
4.



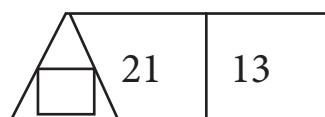
9.



5.



10.



NEW EDITION

Score: \_\_\_\_\_

**Example:**

\$25

\$20 \$5

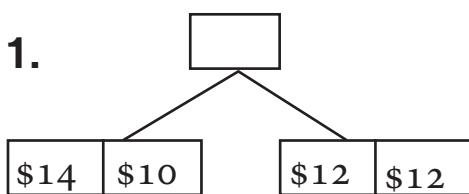
\$13 \$12

30k

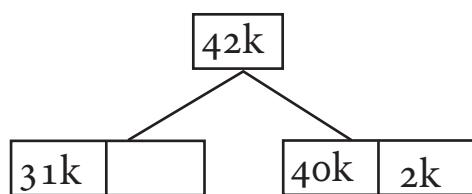
15k 15k

28k 2k

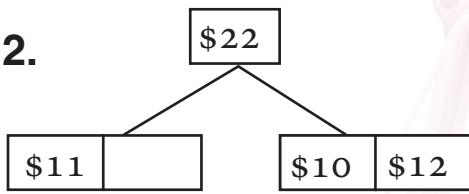
1.



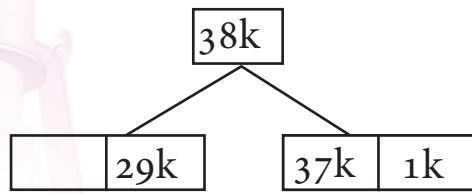
5.



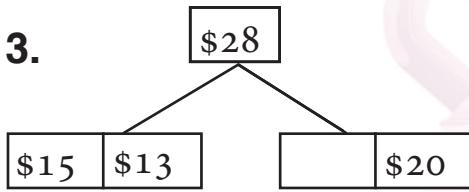
2.



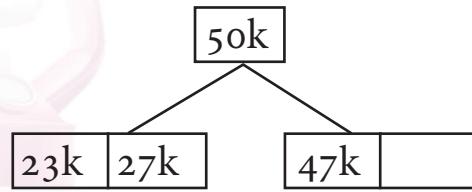
6.



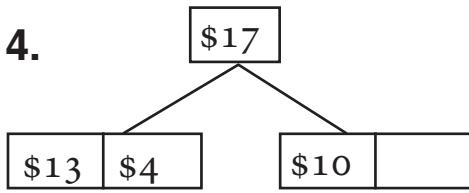
3.



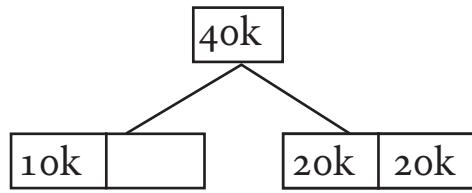
7.



4.



8.

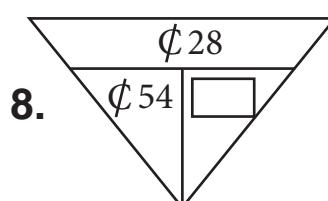
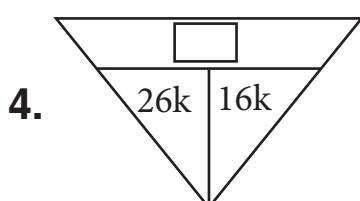
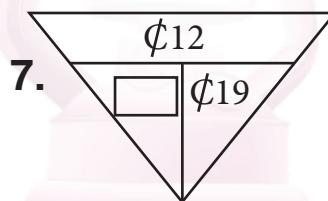
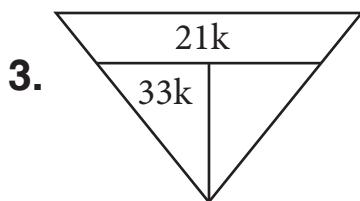
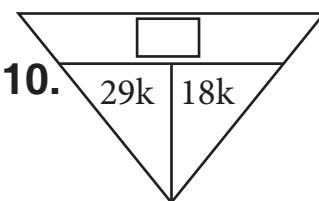
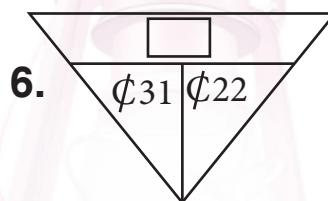
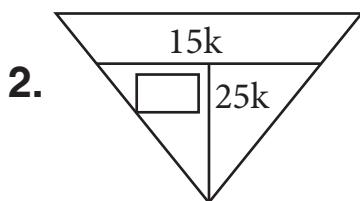
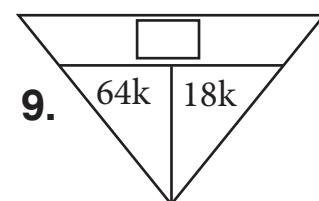
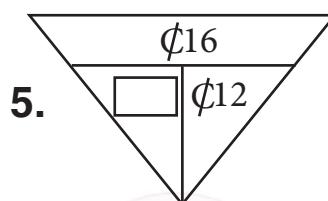
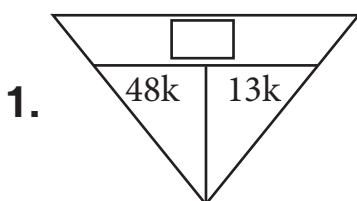


## Exercise 16b

Date:



Example:



NEW EDITION

Score:

## Exercise 16c

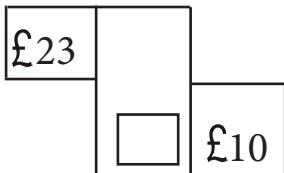


Date:

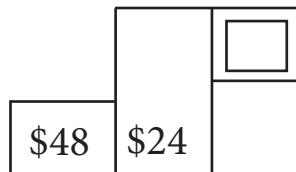
### Example:



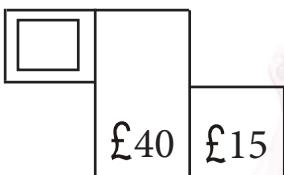
1.



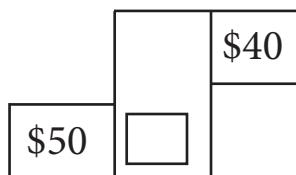
6.



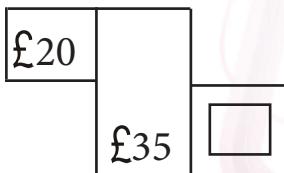
2.



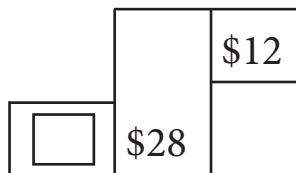
7.



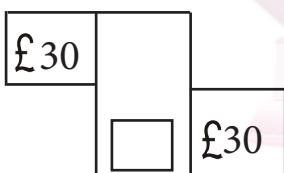
3.



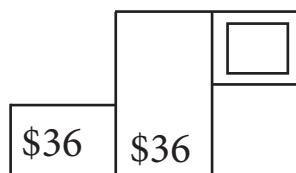
8.



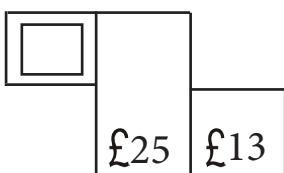
4.



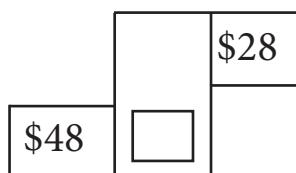
9.



5.



10.

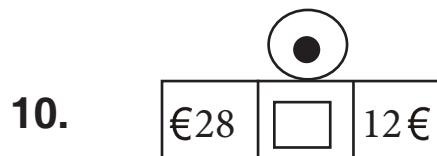
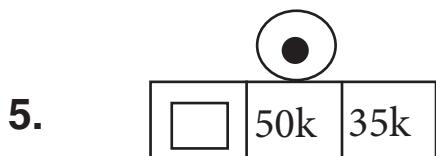
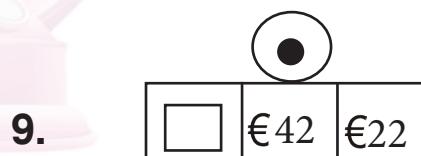
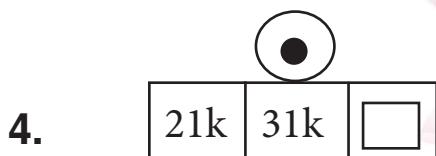
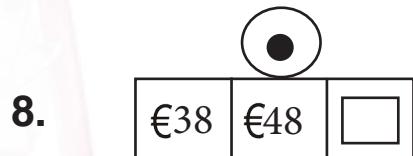
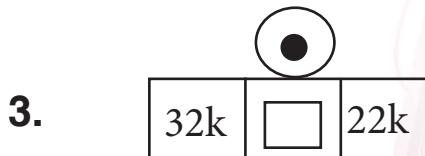
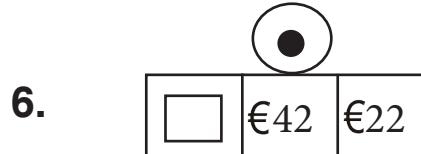
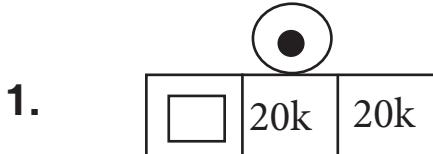
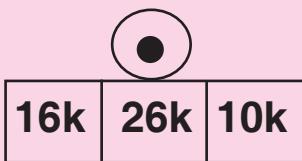


## Exercise 17



Date:

Example:

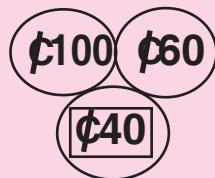
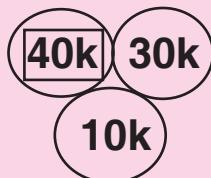


## Exercise 18a

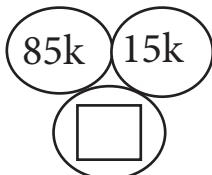
1 2 3 4 5 6 7 8 9 

Date:

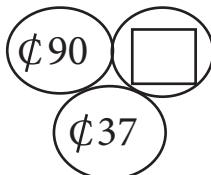
Example:



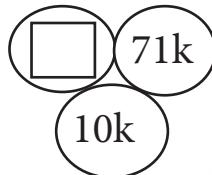
1.



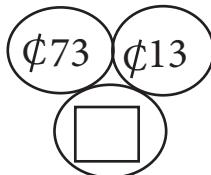
6.



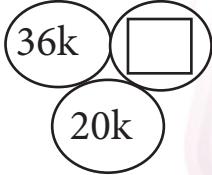
2.



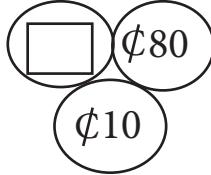
7.



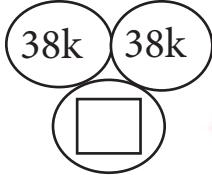
3.



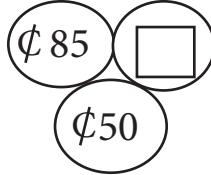
8.



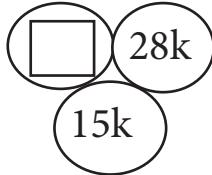
4.



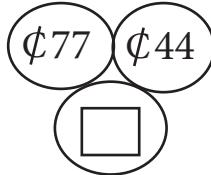
9.



5.

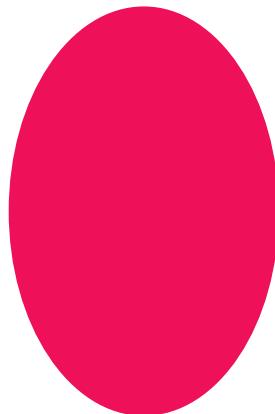


10.

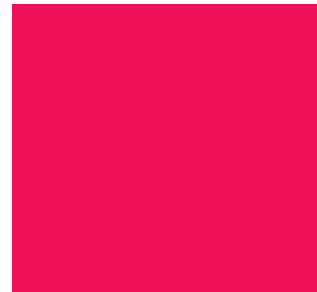




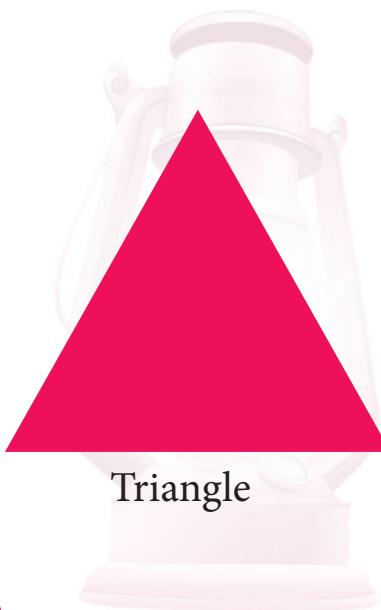
## Shapes



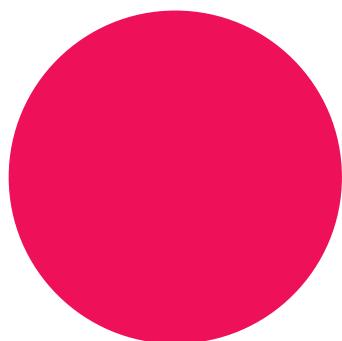
Oval



Square



Triangle



Circle



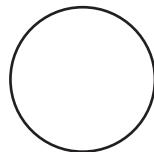
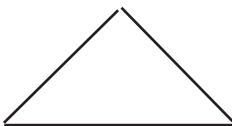
Rectangle





**Now, I know my shapes.**

**Name the figures:**



**Draw these shapes.**

**Square**

**Circle**

**Triangle**

**Oval**

**Rectangle**





### A. Do you know?

1. A triangle has \_\_\_\_\_ sides.
2. A square has \_\_\_\_\_ sides.
3. A rectangle has \_\_\_\_\_ sides.
4. A circle is \_\_\_\_\_ (long, short, round).
5. A square has \_\_\_\_\_ equal sides.  
(one, four, three, two, none)
6. A rectangle has \_\_\_\_\_ equal sides.  
(one, four, three, two, none)
7. A triangle has \_\_\_\_\_ side(s).  
(one, four, three, two)
8. A circle looks like a \_\_\_\_\_.  
(bag, ball, bell, basket)
9. Triangle, square and rectangle have \_\_\_\_\_ lines.  
(straight, crooked, thick)
10. A circle is \_\_\_\_\_ (straight, curved, wide).



**B. Can you write in words?**

- |           |       |           |           |
|-----------|-------|-----------|-----------|
| 1. _____  | one   | 11. _____ | eleven    |
| 2. _____  | two   | 12. _____ | twelve    |
| 3. _____  | three | 13. _____ | thirteen  |
| 4. _____  | four  | 14. _____ | fourteen  |
| 5. _____  | five  | 15. _____ | fifteen   |
| 6. _____  | six   | 16. _____ | sixteen   |
| 7. _____  | seven | 17. _____ | seventeen |
| 8. _____  | eight | 18. _____ | eighteen  |
| 9. _____  | nine  | 19. _____ | nineteen  |
| 10. _____ | ten   | 20. _____ | twenty    |



## Exercise 20a

Date:



### Example:

13 = thirteen; 5 = five; 11 = eleven

### Complete these:

- |                   |                   |
|-------------------|-------------------|
| 1. 9 = n__ne      | 11. 1 = _ne       |
| 2. 17 = s_v_nteen | 12. 4 = fo_r      |
| 3. 8 = ei_ht      | 13. 18 = eig_teен |
| 4. 16 = si_teen   | 14. 10 = t_n      |
| 5. 19 = n_n_teen  | 15. 6 = si_       |
| 6. 3 = th_ee      | 16. 12 = t_elve   |
| 7. 15 = f_f_een   | 17. 14 = fo_rteen |
| 8. 20 = t_enty    | 18. 11 = e_even   |
| 9. 2 = tw_        | 19. 7 = s_ven     |
| 10. 13 = thi_teен | 20. 5 = f_ve      |





Date:

**Example:****3 - three;****nine - 9****A. Write in words and figures.**

- |    |   |         |     |       |         |
|----|---|---------|-----|-------|---------|
| 1. | 5 | = _____ | 6.  | one   | = _____ |
| 2. | 9 | = _____ | 7.  | three | = _____ |
| 3. | 8 | = _____ | 8.  | six   | = _____ |
| 4. | 7 | = _____ | 9.  | four  | = _____ |
| 5. | 2 | = _____ | 10. | ten   | = _____ |

**B. Write in words and figures.**

- |    |         |         |     |          |         |
|----|---------|---------|-----|----------|---------|
| 1. | sixteen | = _____ | 6.  | 19       | = _____ |
| 2. | twelve  | = _____ | 7.  | 20       | = _____ |
| 3. | 17      | = _____ | 8.  | fourteen | = _____ |
| 4. | 13      | = _____ | 9.  | fifteen  | = _____ |
| 5. | eleven  | = _____ | 10. | 18       | = _____ |



# Exercise 21a Codes

Date:



**Example:**

e	f	h	i	n	o	r	t	v	w	u	
1	2	3	4	5	6	7	8	9	10	11	
one									<u>6</u>	<u>5</u>	<u>1</u>

1. two → \_\_\_\_\_
2. five → \_\_\_\_\_
3. ten → \_\_\_\_\_
4. three → \_\_\_\_\_
5. four → \_\_\_\_\_



NEW EDITION

Score: \_\_\_\_\_

## Exercise 21b Codes

Date:



Example:



h i n o e f w v t u r

1 2 3 4 5 6 7 8 9 10 11

4 3 5 → o n e

1. 6 4 10 11 → — — — — —

2. 9 7 4 → — — — —

3. 6 2 8 5 → — — — — —

4. 3 2 3 5 → — — — — —

5. 9 1 11 5 5 → — — — — —

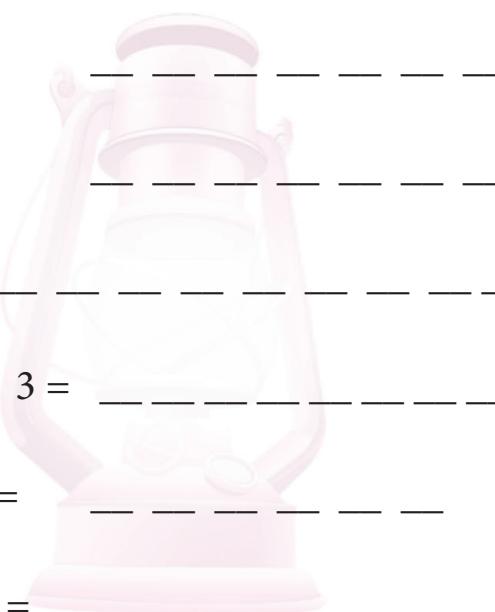


**Example:**

x v n r u t e f o h i w l s  
1 2 3 4 5 6 7 8 9 10 11 12 13 14

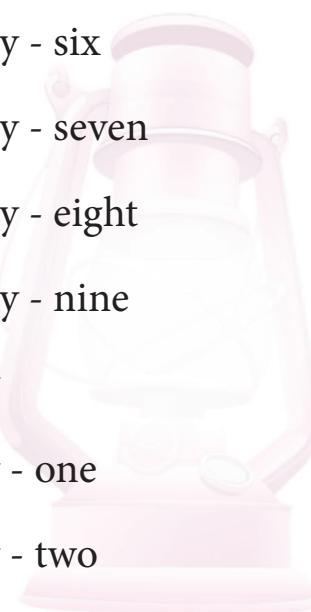
**twelve = 6 12 7 13 2 7**      **seven = 14 7 2 7 3**

1. thirteen = \_\_\_\_\_
2. fifteen = \_\_\_\_\_
3. sixteen = \_\_\_\_\_
4. fourteen = \_\_\_\_\_
5. seventeen = \_\_\_\_\_
6. 3 11 3 7 6 7 7 3 = \_\_\_\_\_
7. 7 13 7 2 7 3 = \_\_\_\_\_
8. 6 12 7 13 2 7 = \_\_\_\_\_
9. 6 7 3 = \_\_\_\_\_
10. 3 11 3 7 = \_\_\_\_\_

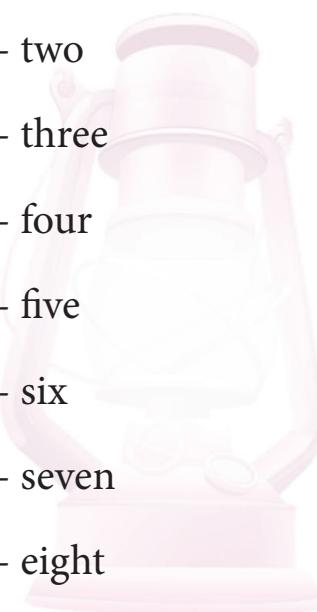


**D. More numbers to write in words**

21. \_\_\_\_\_ twenty - one
22. \_\_\_\_\_ twenty - two
23. \_\_\_\_\_ twenty - three
24. \_\_\_\_\_ twenty - four
25. \_\_\_\_\_ twenty - five
26. \_\_\_\_\_ twenty - six
27. \_\_\_\_\_ twenty - seven
28. \_\_\_\_\_ twenty - eight
29. \_\_\_\_\_ twenty - nine
30. \_\_\_\_\_ thirty
31. \_\_\_\_\_ thirty - one
32. \_\_\_\_\_ thirty - two
33. \_\_\_\_\_ thirty - three
34. \_\_\_\_\_ thirty - four
35. \_\_\_\_\_ thirty - five



36. \_\_\_\_ thirty - six
37. \_\_\_\_ thirty - seven
38. \_\_\_\_ thirty - eight
39. \_\_\_\_ thirty - nine
40. \_\_\_\_ forty
41. \_\_\_\_ forty - one
42. \_\_\_\_ forty - two
43. \_\_\_\_ forty - three
44. \_\_\_\_ forty - four
45. \_\_\_\_ forty - five
46. \_\_\_\_ forty - six
47. \_\_\_\_ forty - seven
48. \_\_\_\_ forty - eight
49. \_\_\_\_ forty - nine
50. \_\_\_\_ fifty



**Example:**

**32 = thirty - two;    40 = forty;    30 = thirty**

**Complete these:**

- |                            |                             |
|----------------------------|-----------------------------|
| 1. $28 = t\_enty - eight$  | 11. $26 = t\_enty - six$    |
| 2. $31 = thi\_ty - one$    | 12. $39 = thi\_ty - n\_ne$  |
| 3. $27 = twe\_ty - sev\_n$ | 13. $21 = twent\_ - one$    |
| 4. $33 = thirt\_ - thr\_e$ | 14. $30 = th\_rty$          |
| 5. $29 = t\_enty - n\_ne$  | 15. $36 = thi\_ty - si\_$   |
| 6. $37 = _hirty - sev\_n$  | 16. $23 = t\_enty thr\_ -$  |
| 7. $25 = twe\_ty - five$   | 17. $35 = th\_rty - f\_ve$  |
| 8. $40 = f\_rty$           | 18. $24 = tw\_ - ty - four$ |
| 9. $38 = th\_rty - ei\_ht$ | 19. $32 = thi\_ty - two$    |
| 10. $22 = tw\_nty - t\_o$  | 20. $34 = t\_irty - f\_ur$  |



**A. Write in words.**

1. 24 = \_\_\_\_\_
2. 39 = \_\_\_\_\_
3. 27 = \_\_\_\_\_
4. 30 = \_\_\_\_\_
5. 21 = \_\_\_\_\_
6. 34 = \_\_\_\_\_
7. 26 = \_\_\_\_\_
8. 32 = \_\_\_\_\_
9. 25 = \_\_\_\_\_
10. 36 = \_\_\_\_\_

**B. Write in figures.**

11. forty = \_\_\_\_
12. twenty - two = \_\_\_\_
13. twenty - nine = \_\_\_\_
14. thirty - eight = \_\_\_\_
15. thirty - one = \_\_\_\_
16. thirty - seven = \_\_\_\_
17. twenty - three = \_\_\_\_
18. thirty - five = \_\_\_\_
19. thirty - three = \_\_\_\_
20. twenty - eight = \_\_\_\_





## Multiplication table

***Do you know your multiplication table?***

***Let us start with  $2x$ , which means two times the number you may want to multiply.***

$2 \times 1 = 2$

$2 \times 2 = 4$

$2 \times 3 = 6$

00

00

00

00

00

00

$2 \times 4 = 8$

$2 \times 5 = 10$

$2 \times 6 = 12$

00

00

00

00

00

00

00

00

00

00

00

00

00

00

00



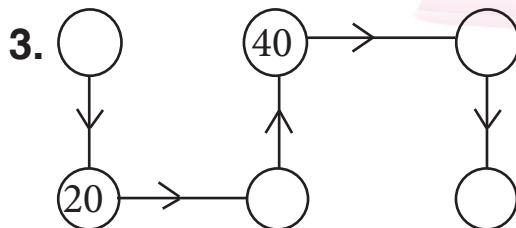
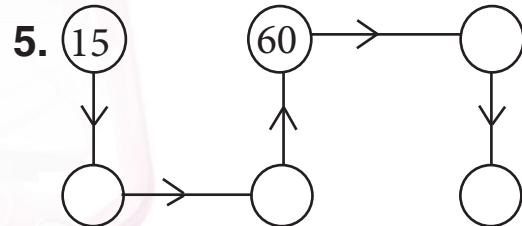
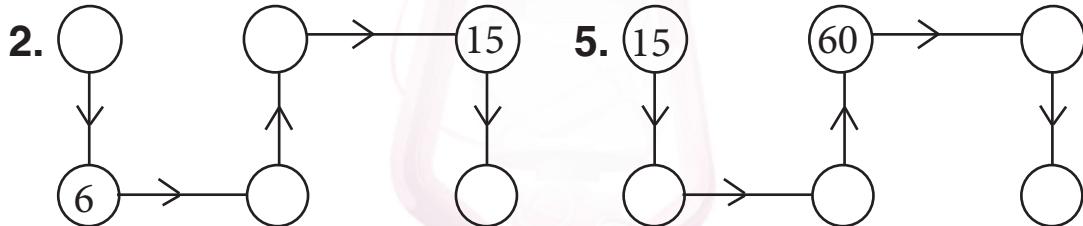
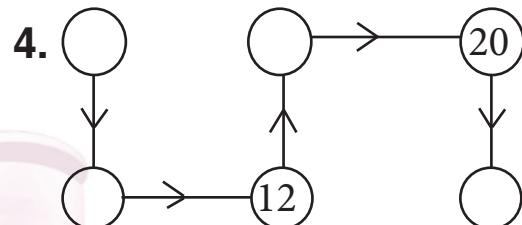
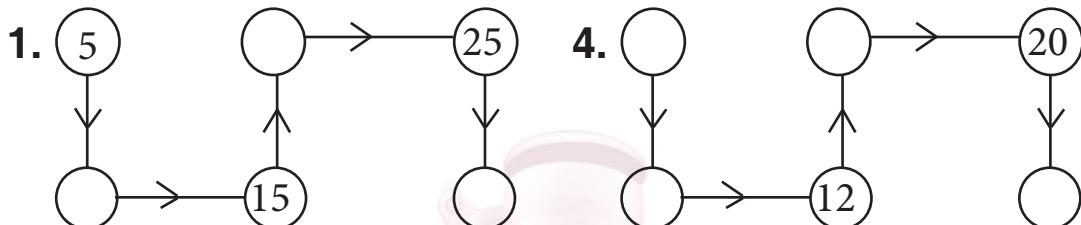
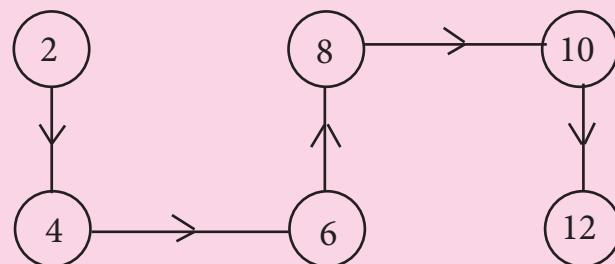


## Exercise 23a



Date:

**Example:**



## Exercise 23b



Date:

Example:



2
4
5
6
7
8

4
8
10
12
14
16

3
5
0
6
7
9

9
15
0
18
21
27

1.

1
3
0
9
10
12


4.

6
7
8
9
10
12


2.

0
1
2
3
4
5


5.

3
4
5
0
11
12

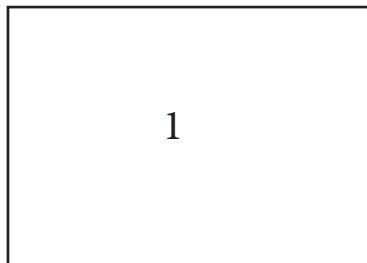

3.

1
2
3
4
5
6

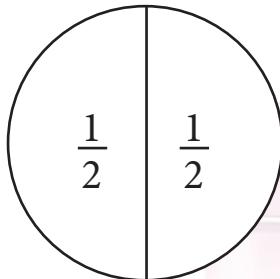



# Fractions

1.



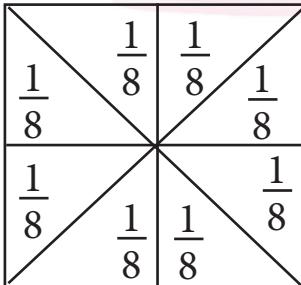
2.

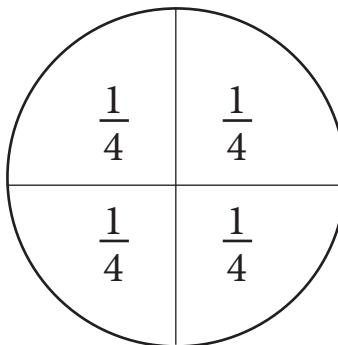
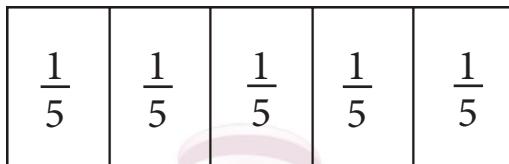
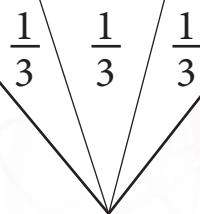
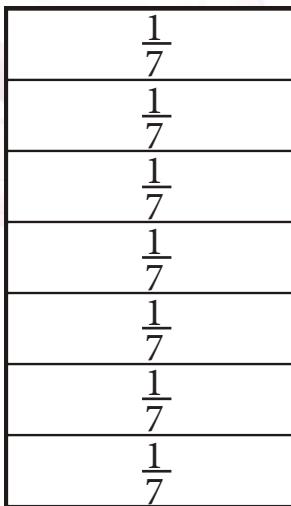


3.

$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$

4.

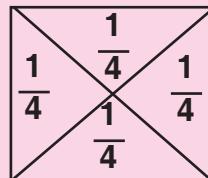
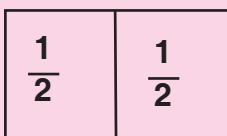


**5.****6.****7.****8.**

## Exercise 24a

Date:

Example:



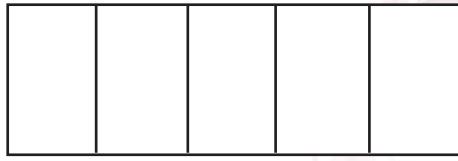
1.



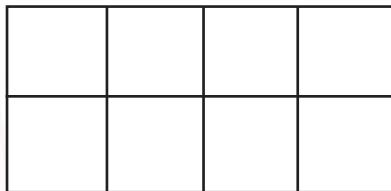
4.



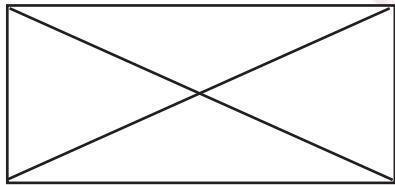
2.



5.



3.

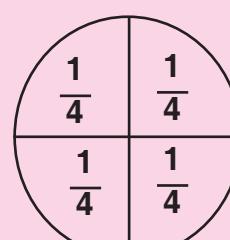
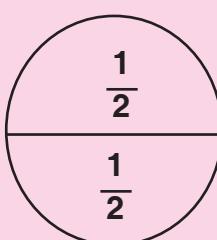
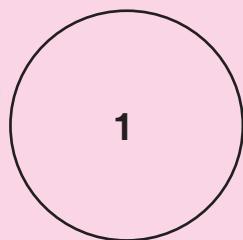


## Exercise 24b



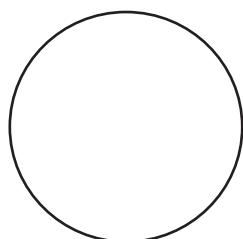
Date:

### Example:

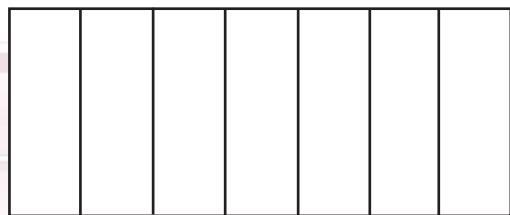


$\frac{1}{5}$

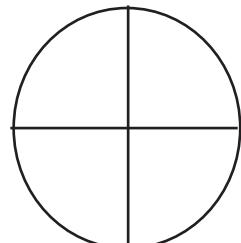
1.



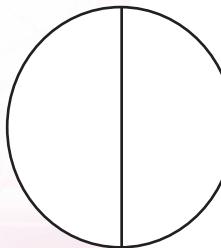
3.



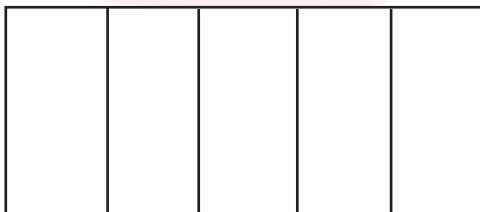
2.



4.



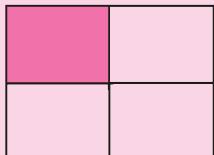
5.



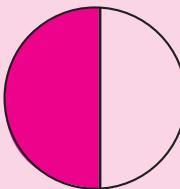
NEW EDITION

Score:

## C. Example:



$$\frac{1}{4}$$



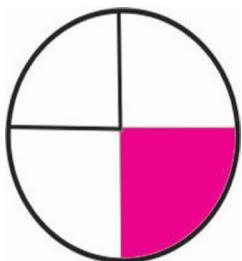
$$\frac{1}{2}$$



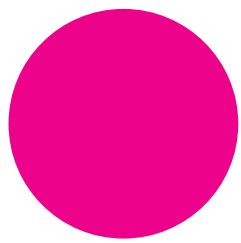
$$\frac{1}{3}$$

Name the shaded part.

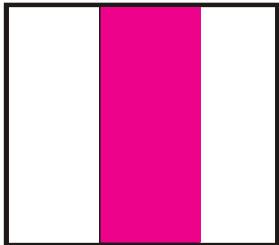
1.



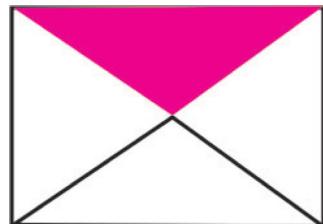
3.



2.

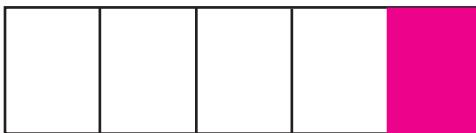


4.



---

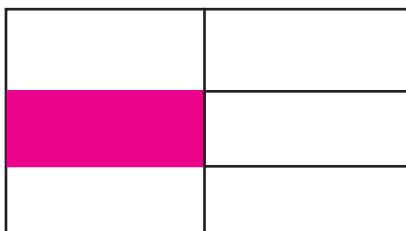
5.



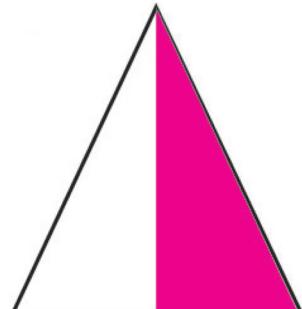
---



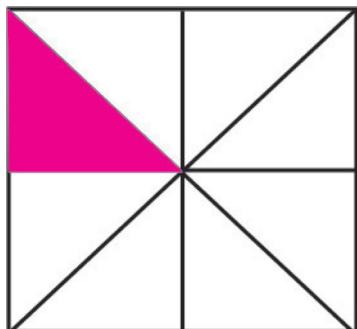
6.



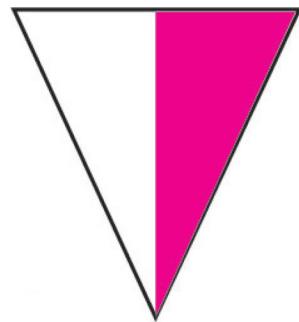
8.



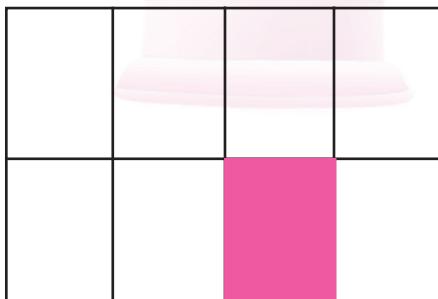
7.



9.



10.

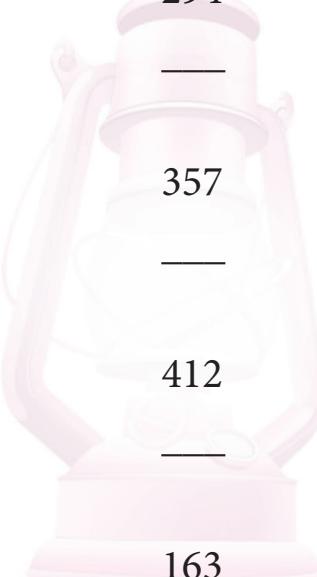


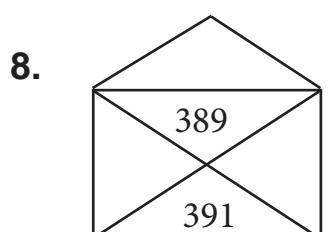
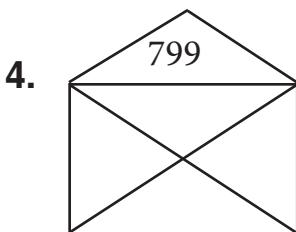
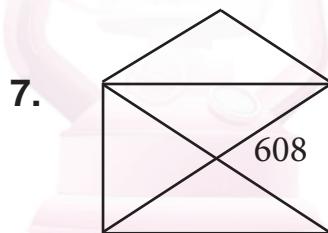
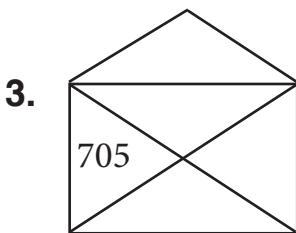
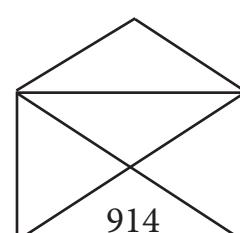
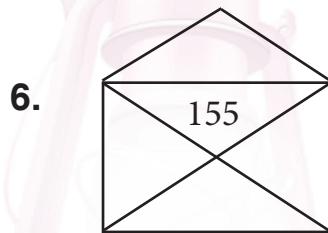
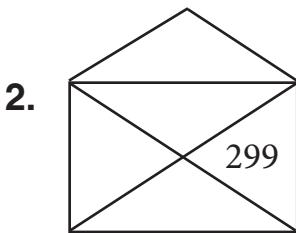
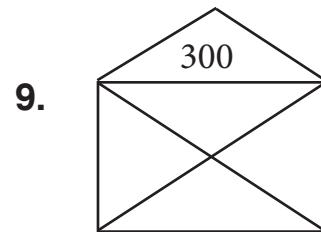
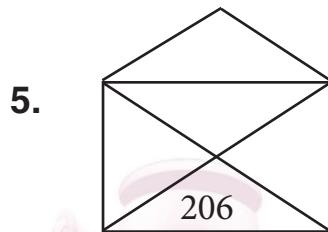
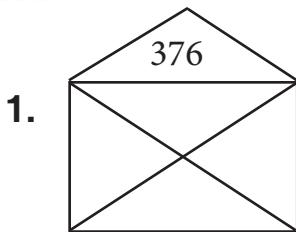
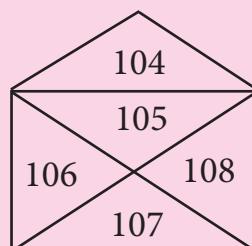
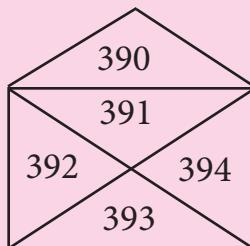
**Example:**

357	362	395	342	320
-----	-----	-----	-----	-----

<u>320</u>	<u>342</u>	<u>357</u>	<u>362</u>	<u>395</u>
------------	------------	------------	------------	------------

- |    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 1. | 158 | 103 | 133 | 117 | 183 |
|    | —   | —   | —   | —   | —   |
- 
- |    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 2. | 256 | 202 | 294 | 286 | 263 |
|    | —   | —   | —   | —   | —   |
- 
- |    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 3. | 314 | 337 | 357 | 310 | 366 |
|    | —   | —   | —   | —   | —   |
- 
- |    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 4. | 476 | 499 | 412 | 418 | 431 |
|    | —   | —   | —   | —   | —   |
- 
- |    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 5. | 279 | 340 | 163 | 420 | 210 |
|    | —   | —   | —   | —   | —   |
- 
- |    |     |     |     |     |    |
|----|-----|-----|-----|-----|----|
| 6. | 304 | 204 | 404 | 104 | 87 |
|    | —   | —   | —   | —   | —  |



**Example:**

**Example:**

\$61

\$32

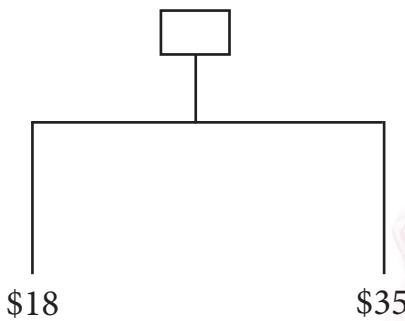
\$29

75k

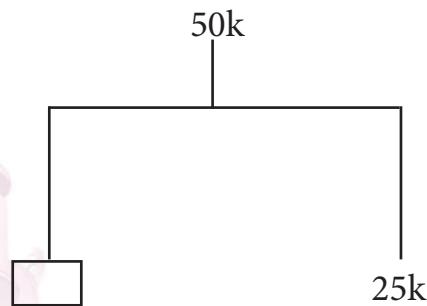
54k

21k

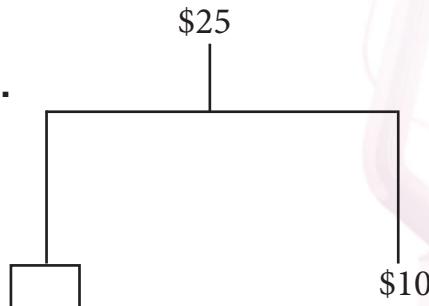
1.



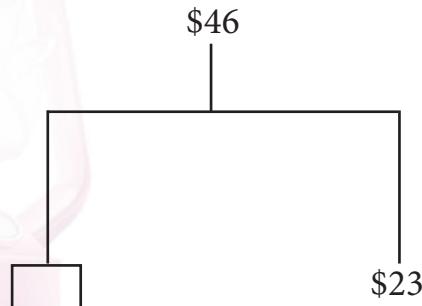
4.



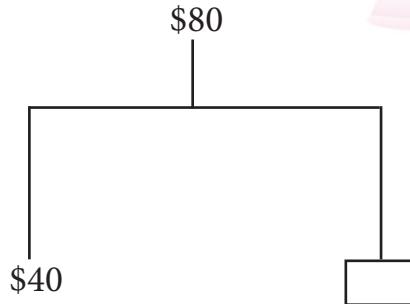
2.



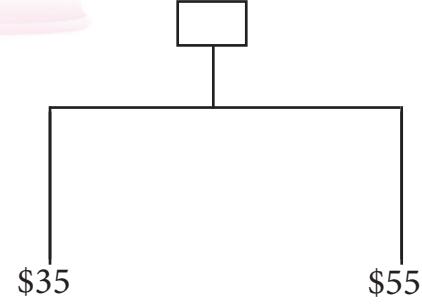
5.

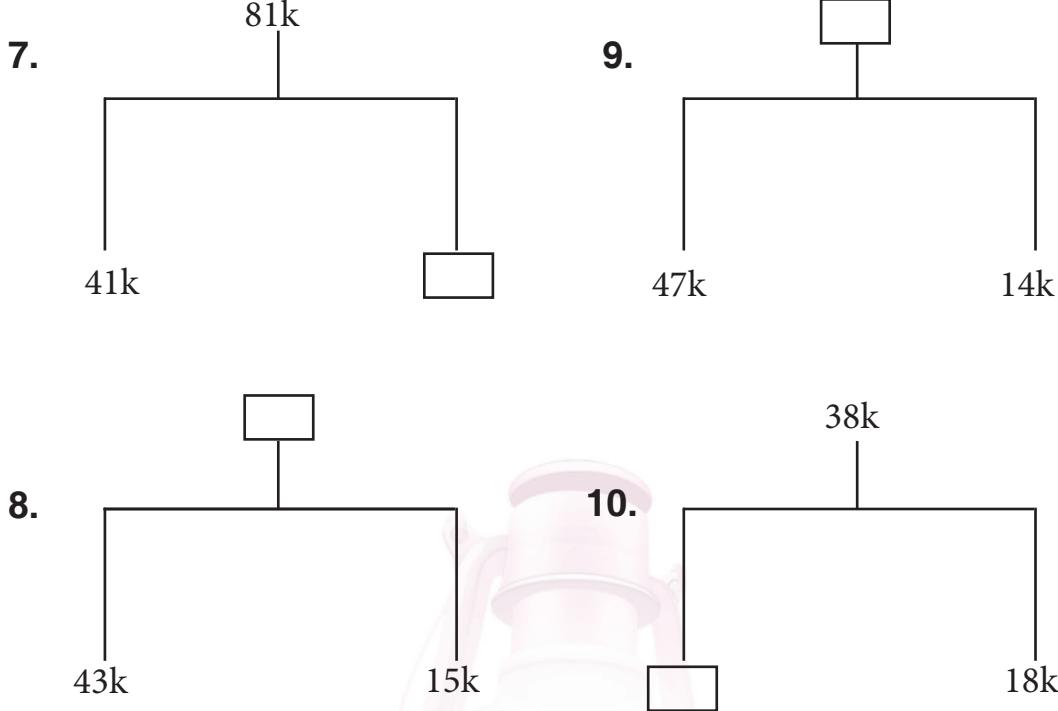


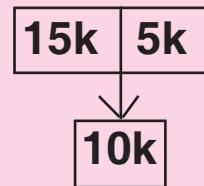
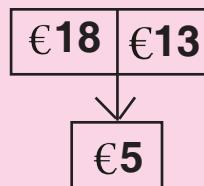
3.



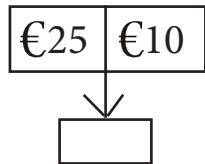
6.



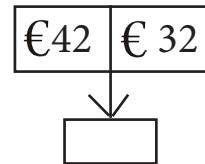


**Example:**

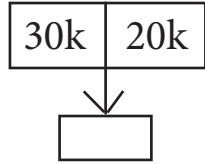
1.



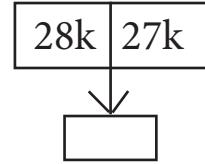
4.



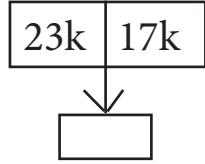
2.



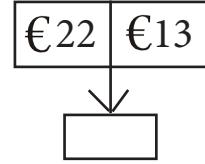
5.



3.



6.



7.

50k	25k
	
<input type="text"/>	

12.

45k	21k
	
<input type="text"/>	

8.

€ 27	€ 10
	
<input type="text"/>	

13.

37k	17k
	
<input type="text"/>	

9.

€ 32	€ 8
	
<input type="text"/>	

14.

€ 39	€ 11
	
<input type="text"/>	

10.

16k	7k
	
<input type="text"/>	

15.

51k	41k
	
<input type="text"/>	

11.

€ 25	€ 20
	
<input type="text"/>	

16.

€ 65	€ 34
	
<input type="text"/>	



Example:



1.  $\text{₵}27 \rightarrow \text{₵}20 \rightarrow \boxed{\quad}$

6.  $\text{₵}33 \rightarrow \boxed{\quad} \rightarrow \text{₵}12$

2.  $\boxed{\quad} \rightarrow \text{₵}12 \rightarrow \text{₵}6$

7.  $80\text{k} \rightarrow \boxed{\quad} \rightarrow 20\text{k}$

3.  $45\text{k} \rightarrow 20\text{k} \rightarrow \boxed{\quad}$

8.  $\text{₵}40 \rightarrow \text{₵}15 \rightarrow \boxed{\quad}$

4.  $\boxed{\quad} \rightarrow 45\text{k} \rightarrow 10\text{k}$

9.  $39\text{k} \rightarrow \boxed{\quad} \rightarrow 29\text{k}$

5.  $50\text{k} \rightarrow 40\text{k} \rightarrow \boxed{\quad}$

10.  $\boxed{\quad} \rightarrow 23\text{k} \rightarrow 23\text{k}$



11.  $\text{¢}27$   $\text{¢}11$   $\rightarrow$

16.  $47\text{k}$   $23\text{k}$   $\rightarrow$

12.  $\text{¢}55$   $\text{¢}39$   $\rightarrow$

17.  $77\text{k}$    $\rightarrow 44\text{k}$

13.  $\text{¢}81$    $\rightarrow \text{¢}65$

18.  $25\text{k}$   $16\text{k}$   $\rightarrow$

14.  $38\text{k}$    $\rightarrow 10\text{k}$

19.   $60\text{k}$   $\rightarrow 32\text{k}$

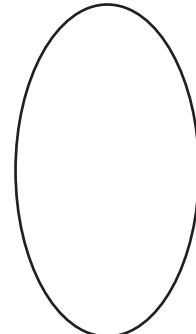
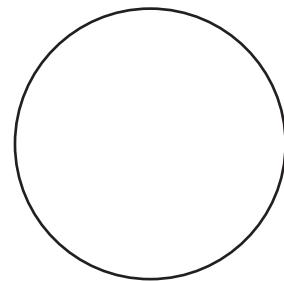
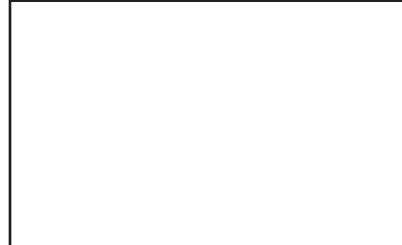
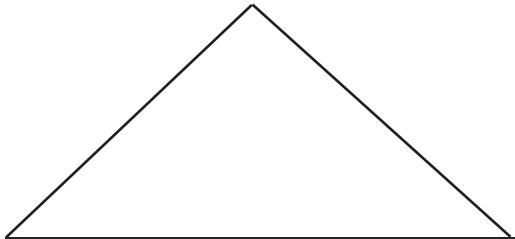
15.   $10\text{k}$   $\rightarrow 30\text{k}$

20.  $53\text{k}$   $30\text{k}$   $\rightarrow$





**Name these shapes:**

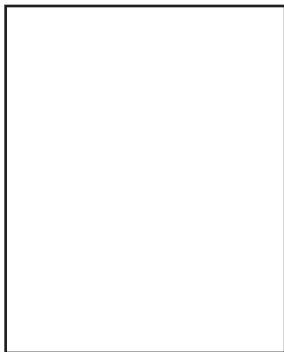


## Do you know?

1. How many sides does a triangle have? \_\_\_\_\_ sides.
2. How many sides does a square have? \_\_\_\_\_ sides.
3. How many sides does a rectangle have? \_\_\_\_\_ sides.
4. A circle is \_\_\_\_\_ (thin, curved, short).
5. A square has all the \_\_\_\_\_ sides equal.
6. A rectangle has two \_\_\_\_\_ sides and two \_\_\_\_\_ sides (long, short, big, small).
7. A circle is \_\_\_\_\_ in shape.
8. An oval looks like an \_\_\_\_\_ (orange, egg).
9. To draw a door I must draw a \_\_\_\_ (circle, triangle, rectangle).
10. To draw a head I must draw a \_\_\_\_ (triangle, circle, rectangle).



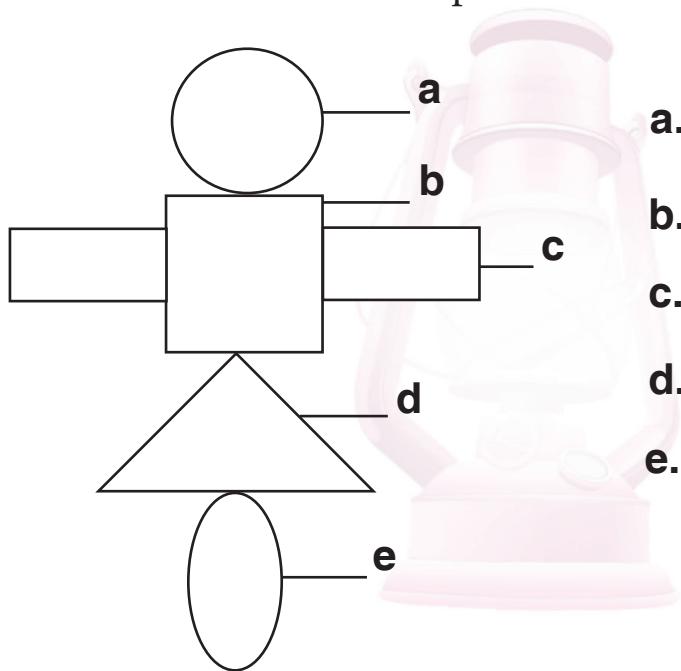
11. Draw a head



12. Draw a door



13. Name the different shapes.



- a. \_\_\_\_\_  
b. \_\_\_\_\_  
c. \_\_\_\_\_  
d. \_\_\_\_\_  
e. \_\_\_\_\_

14. Now I know my shapes; they are:

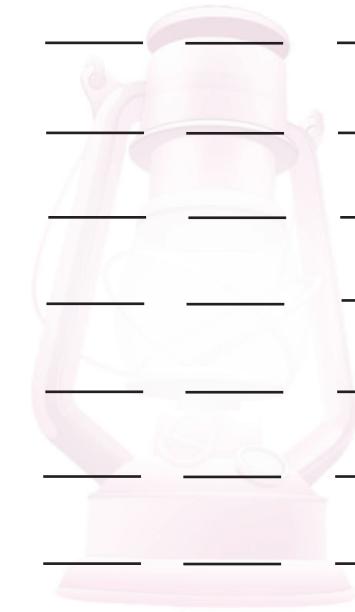
\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ ,  
and \_\_\_\_\_



**Example:**

e	g	x	v	t	s	i	n	h	o	w	u	f	r
1	2	3	4	5	6	7	8	9	10	11	12	13	14
four							13		10		12		14
eight							1		7		2		9

1. five → \_\_\_\_\_
2. one → \_\_\_\_\_
3. ten → \_\_\_\_\_
4. seven → \_\_\_\_\_
5. two → \_\_\_\_\_
6. eight → \_\_\_\_\_
7. three → \_\_\_\_\_
8. four → \_\_\_\_\_
9. six → \_\_\_\_\_
10. nine → \_\_\_\_\_



**Example:**

x	v	n	r	u	t	e	f	o	h	i	w	l	s	y	g
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>nine</b>	=			<u>3</u>		<u>11</u>		<u>3</u>		<u>7</u>					

<b>nine</b>	=	<u>14</u>	<u>7</u>	<u>2</u>	<u>7</u>	<u>3</u>
-------------	---	-----------	----------	----------	----------	----------

1. twelve → \_\_\_\_\_

2. eight → \_\_\_\_\_

3. fourteen → \_\_\_\_\_

4. twenty → \_\_\_\_\_

5. thirteen → \_\_\_\_\_

6. seventeen → \_\_\_\_\_

7. sixteen → \_\_\_\_\_



8. nineteen →

— — — — — — — — — —

9. eleven →

— — — — — — —

10. fifteen →

— — — — — — — — —

11. twenty-five →

— — — — — — — — — — — —

12. thirty →

— — — — — — —

13. thirty-seven →

— — — — — — — — — — — —

14. twenty-eight →

— — — — — — — — — — — —

15. forty →

— — — — — —

16. twenty-six →

— — — — — — — — — —

17. thirty-nine →

— — — — — — — — — —

18. twenty-three →

— — — — — — — — — — — —

19. thirty-one →

— — — — — — — — — —

20. twenty-four →

— — — — — — — — — — — —



## Example:

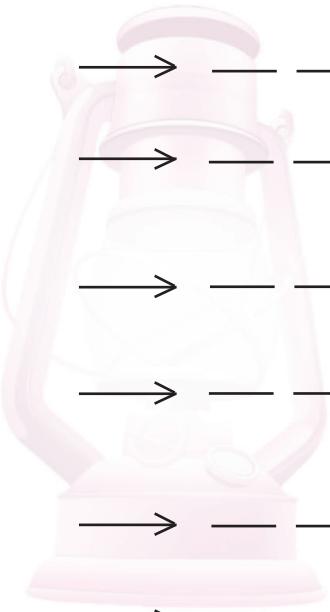


s e g h v x i n t f o w u r y

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

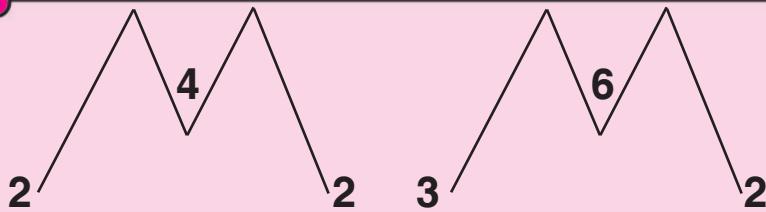
1 7 6 → s i x

1. 9 2 8 → \_\_\_\_\_
2. 1 7 6 → \_\_\_\_\_
3. 1 2 5 2 8 → \_\_\_\_\_
4. 2 7 3 4 9 → \_\_\_\_\_
5. 8 7 8 2 → \_\_\_\_\_
6. 9 4 14 2 2 → \_\_\_\_\_
7. 11 8 2 → \_\_\_\_\_
8. 10 7 5 2 → \_\_\_\_\_
9. 10 11 13 14 10. → \_\_\_\_\_
- 9 12 11 → \_\_\_\_\_

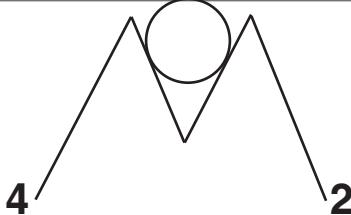


11. 9 4 7 14 9 15 →  
— — — — — —
12. 9 12 2 8 9 15 12 5 2 8 →  
— — — — — — — — — — — —
13. 9 4 7 14 9 15 9 4 14 2 2 →  
— — — — — — — — — — — —
14. 9 12 2 8 9 15 2 7 3 4 9 →  
— — — — — — — — — — — —
15. 10 11 14 9 15 →  
— — — — —
16. 9 12 2 8 9 15 8 7 8 2 →  
— — — — — — — — — — —
17. 9 4 7 14 9 15 10 11 13 14 →  
— — — — — — — — — — —
18. 9 4 7 14 9 15 11 8 2 →  
— — — — — — — — — — —
19. 9 12 2 8 9 15 17 6 →  
— — — — — — — — — — —
20. 9 12 2 8 9 15 9 12 11 →  
— — — — — — — — — — —

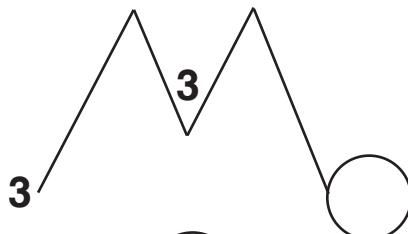


**Example:**

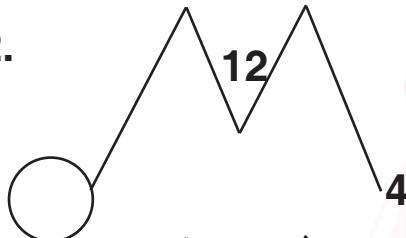
1.



6.



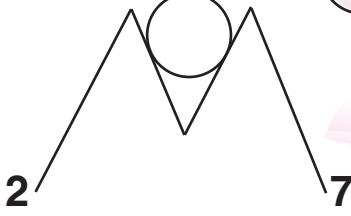
2.



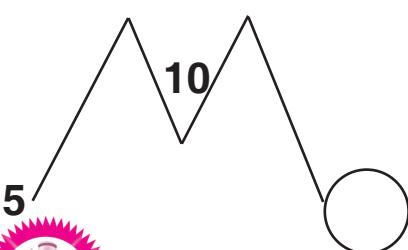
3.



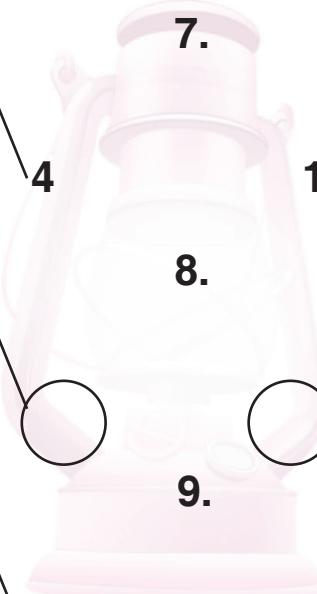
4.



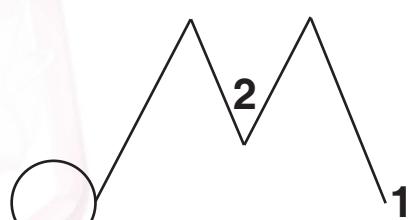
5.



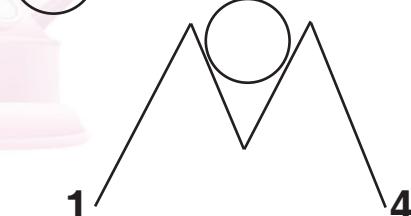
7.



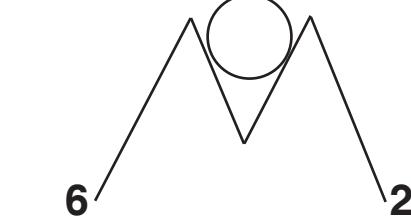
8.



9.



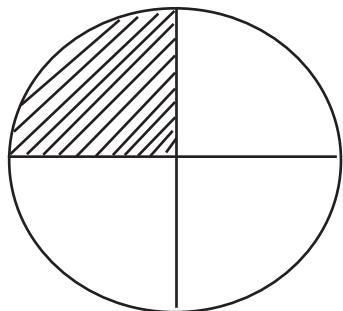
10.



**Write in words or figures:****11.** 7 = \_\_\_\_\_**12.** 14 = \_\_\_\_\_**13.** twenty = \_\_\_\_\_**14.** sixteen = \_\_\_\_\_**15.** 13 = \_\_\_\_\_**16.** eighteen = \_\_\_\_\_**17.** 14 = \_\_\_\_\_**18.** forty = \_\_\_\_\_**19.** 34 = \_\_\_\_\_**20.** ninety-two = \_\_\_\_\_

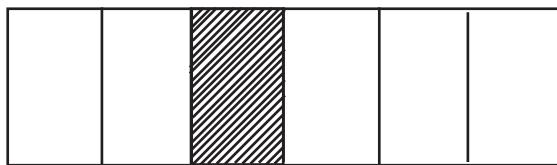
**Name the shaded part:**

21.



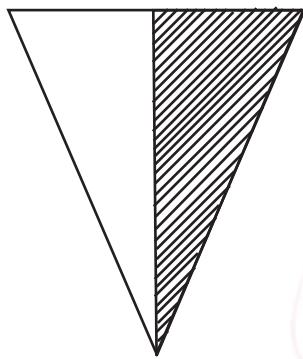
$$= \underline{\hspace{2cm}}$$

23.



$$= \underline{\hspace{2cm}}$$

22.



$$= \underline{\hspace{2cm}}$$

24.



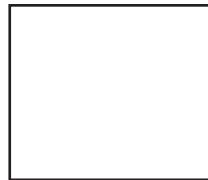
$$= \underline{\hspace{2cm}}$$

**Draw these shapes.**

25. square



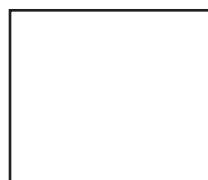
27. circle

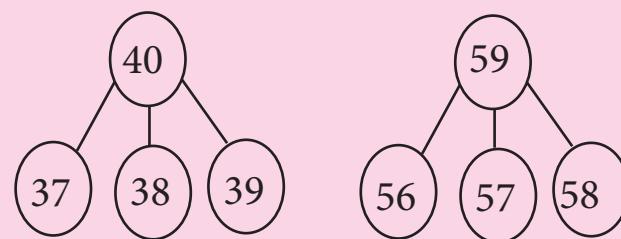


26. rectangle

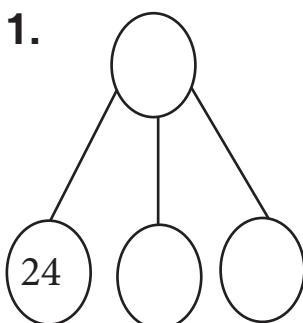


28. triangle

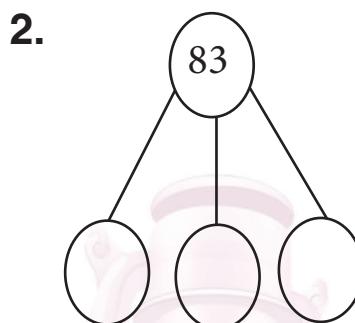


**Example:**

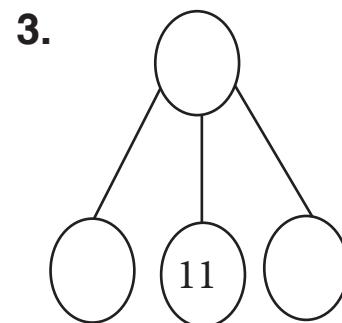
1.



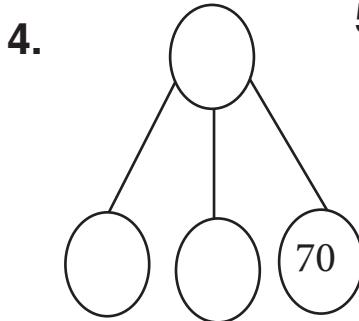
2.



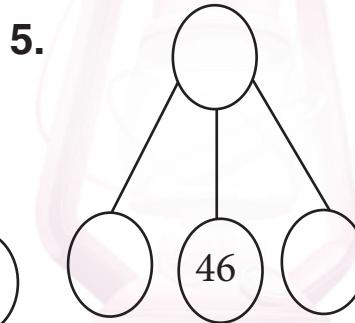
3.



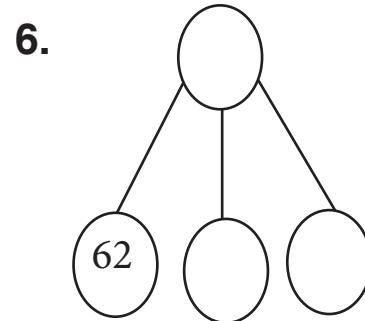
4.



5.



6.

**Complete the following:**

7. 202    \_\_\_\_    \_\_\_\_    205    \_\_\_\_

8.    \_\_\_\_    \_\_\_\_    106    \_\_\_\_    108

9. 89    \_\_\_\_    \_\_\_\_    92    \_\_\_\_

10.    \_\_\_\_    25    \_\_\_\_    \_\_\_\_    28



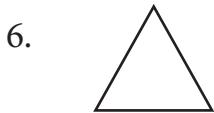
**Example:**

$$\boxed{13} \rightarrow \boxed{3} \rightarrow \boxed{10}$$

$$\boxed{20} \rightarrow \boxed{10} \rightarrow \boxed{10}$$

1.  $\boxed{10} \rightarrow \boxed{3} \rightarrow \boxed{\quad}$
2.  $\boxed{\quad} \rightarrow \boxed{2} \rightarrow \boxed{5}$
3.  $\boxed{19} \rightarrow \boxed{\quad} \rightarrow \boxed{16}$

4.  $\boxed{40} \rightarrow \boxed{13} \rightarrow \boxed{\quad}$
5.  $\boxed{\quad} \rightarrow \boxed{10} \rightarrow \boxed{40}$

**Name these shapes:**

---

9.



---

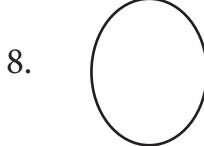


---

10.



---



---

8.

**Write in Words:**

11.  $15 =$  \_\_\_\_\_
12.  $21 =$  \_\_\_\_\_
13.  $6 =$  \_\_\_\_\_
14.  $4 =$  \_\_\_\_\_
15.  $50 =$  \_\_\_\_\_



**Example:**

$$\begin{array}{r} 463 \\ \underline{63} \end{array}$$

$$\begin{array}{r} 263 \\ \underline{163} \end{array}$$

$$\begin{array}{r} 363 \\ \underline{263} \end{array}$$

$$\begin{array}{r} 163 \\ \underline{363} \end{array}$$

$$\begin{array}{r} 63 \\ \underline{463} \end{array}$$

**A. Study the pattern:**

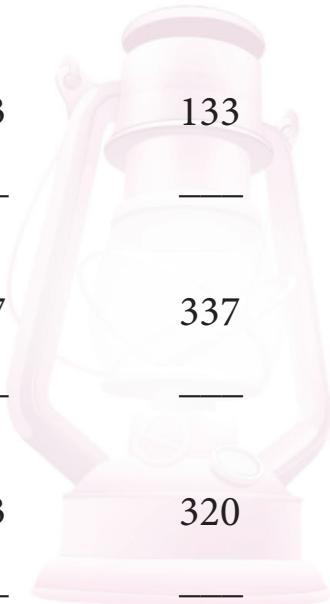
1. 330                  230                  130                  430                  30  
       —                  —                  —                  —                  —

2. 433                  333                  133                  33                  233  
       —                  —                  —                  —                  —

3. 500                  217                  337                  470                  68  
       —                  —                  —                  —                  —

4. 376                  493                  320                  450                  420  
       —                  —                  —                  —                  —

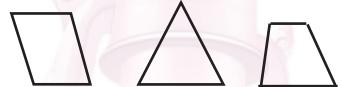
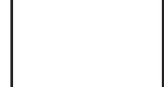
5. 339                  176                  215                  153                  200  
       —                  —                  —                  —                  —



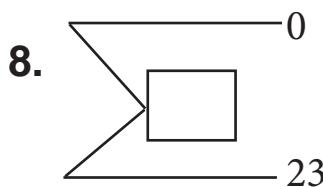
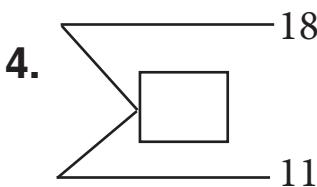
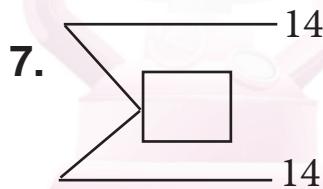
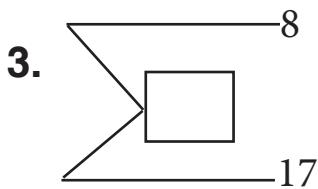
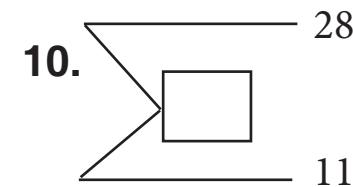
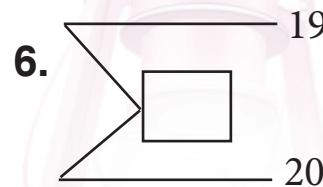
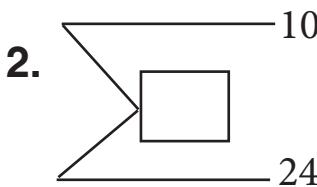
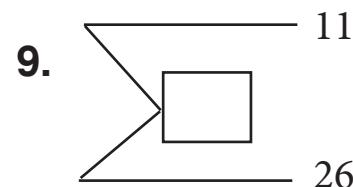
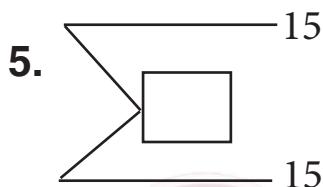
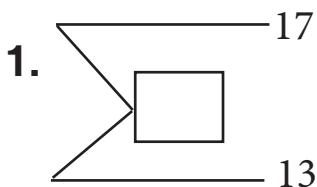
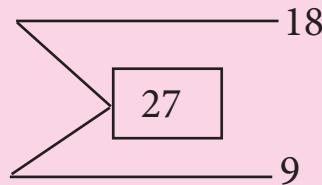
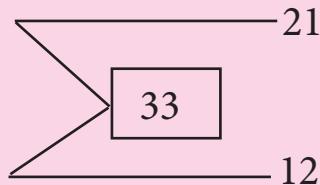
**B. Write in words or figures:**

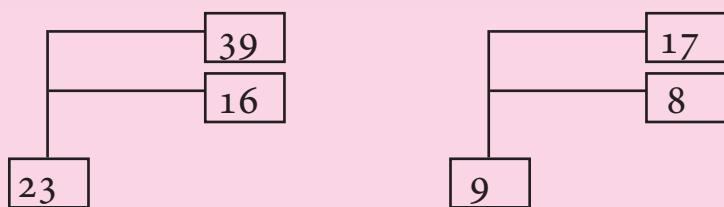
6. twenty - five = \_\_\_\_\_
7. thirty - seven = \_\_\_\_\_
8. 16 = \_\_\_\_\_
9. 29 = \_\_\_\_\_
10. 40 = \_\_\_\_\_

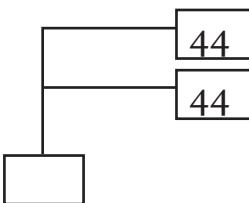
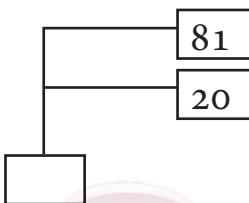
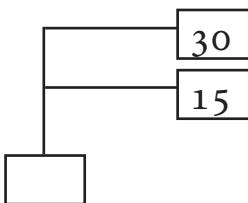
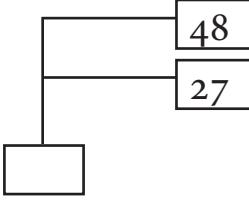
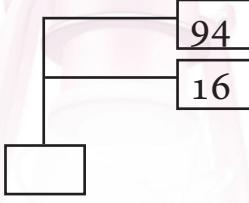
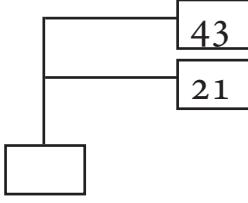
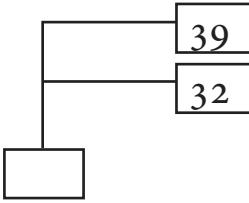
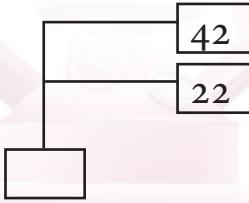
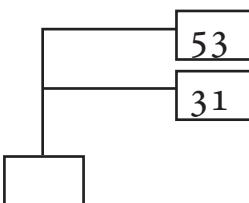
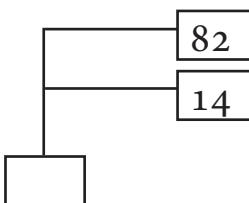
**C. Circle the right shape and draw in the box:**

11. Triangle →  = 
12. Square →  = 
13. Circle →  = 
14. rectangle →  = 

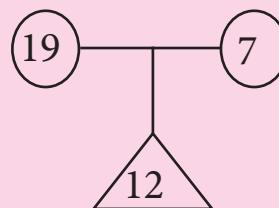
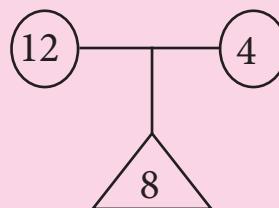


**Example:**

**Example:**

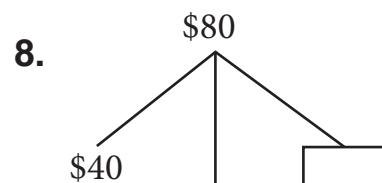
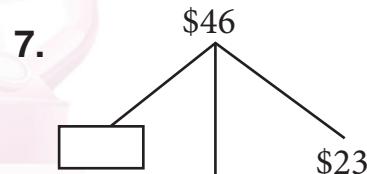
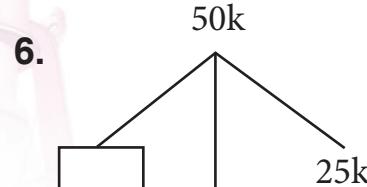
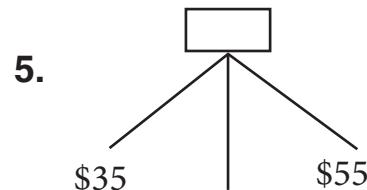
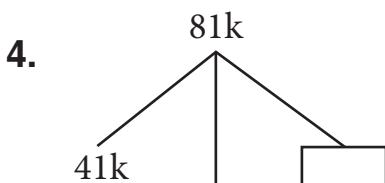
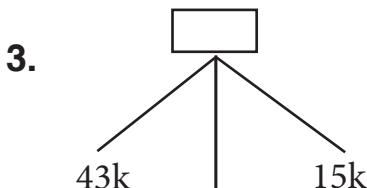
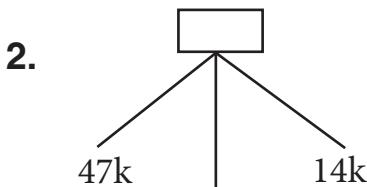
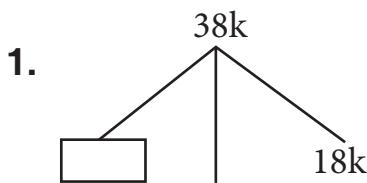
1. 
5. 
9. 
2. 
6. 
10. 
3. 
7. 
4. 
8. 

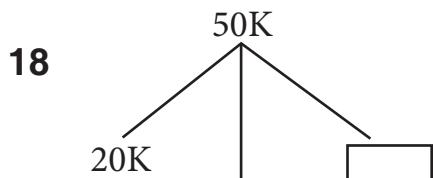
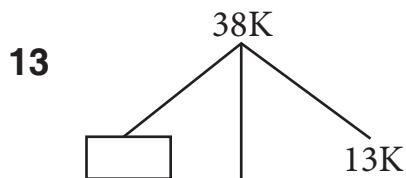
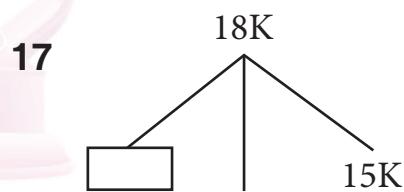
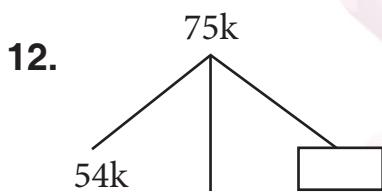
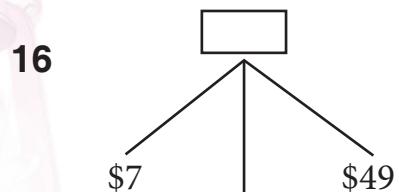
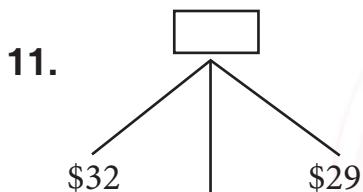
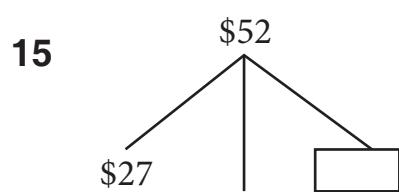
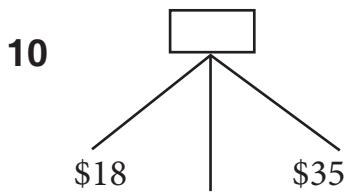
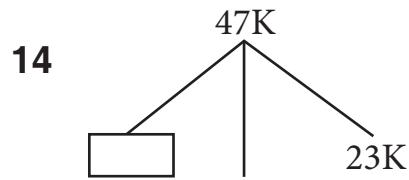
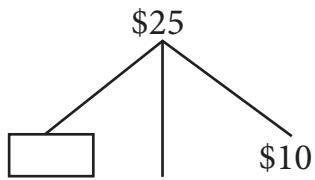


**Example:**

1. Pedigree chart 1: Father 20, Mother (circle), Son 15.
5. Pedigree chart 5: Father (circle), Mother 19, Daughter 9.
9. Pedigree chart 9: Father 25, Mother (circle), Son 10.
2. Pedigree chart 2: Father (circle), Mother 14, Daughter 6.
6. Pedigree chart 6: Father 19, Mother (circle), Daughter 14.
10. Pedigree chart 10: Father 34, Mother 23, (empty triangle).
3. Pedigree chart 3: Father 16, Mother 13, (empty triangle).
7. Pedigree chart 7: Father 23, Mother 13, (empty triangle).
4. Pedigree chart 4: Father (circle), Mother 0, Daughter 40.
8. Pedigree chart 8: Father (circle), Mother 11, Daughter 18.



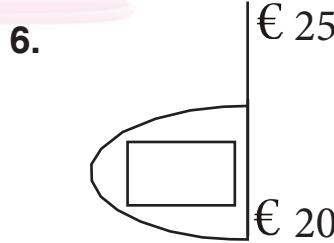
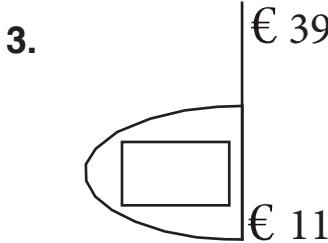
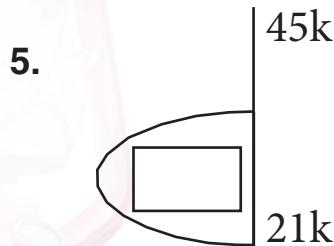
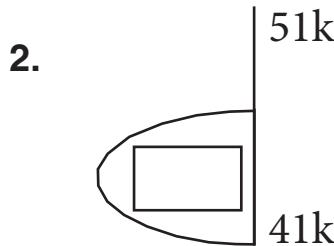
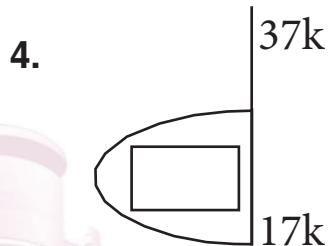
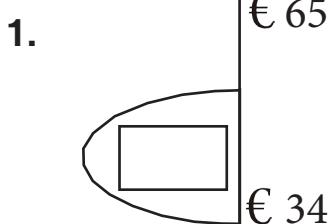
**Example:**



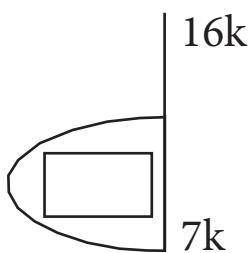


Date:

## Example:



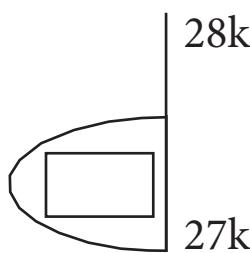
7.



16k

7k

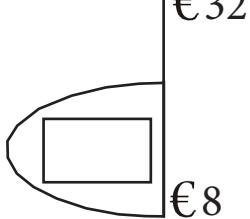
12.



28k

27k

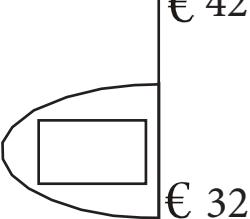
8.



€ 32

€ 8

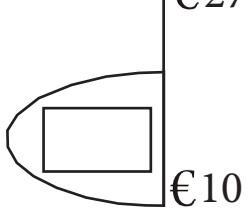
13.



€ 42

€ 32

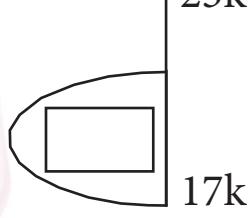
9.



€ 27

€ 10

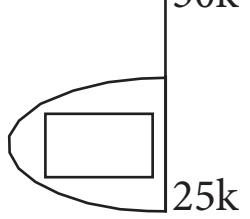
14.



23k

17k

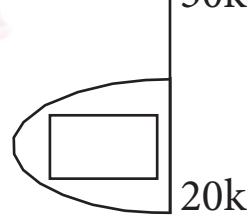
10.



50k

25k

15.



30k

20k



## Example:

 $\$27$  $\$13$  $\$7$  $36k$  $5k$  $31k$ 

1.

 $60k$ 

5.

 $38k$ 

2.

 $25k$  $16k$ 

6.

 $\$81$  $\$65$ 

3.

 $77k$  $44k$ 

7.

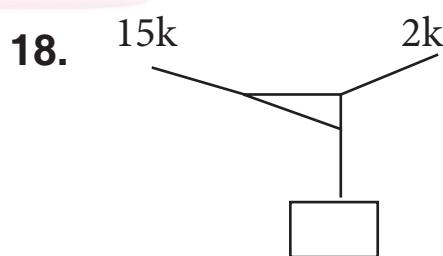
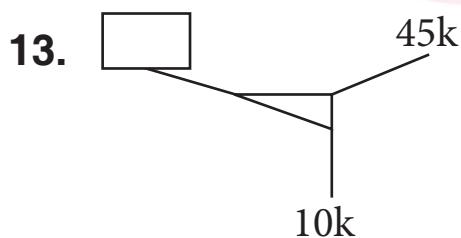
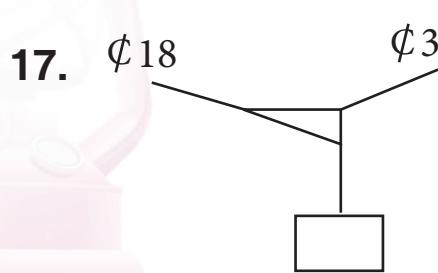
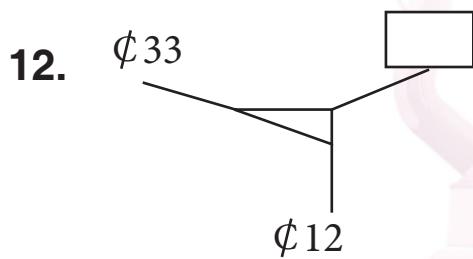
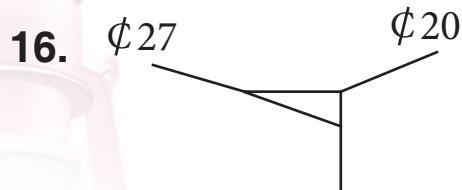
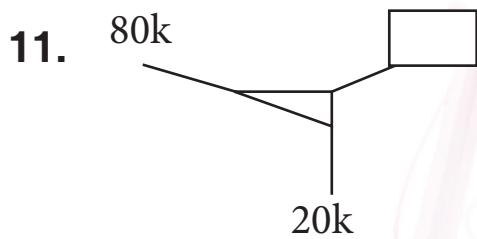
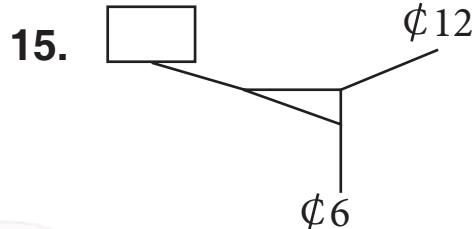
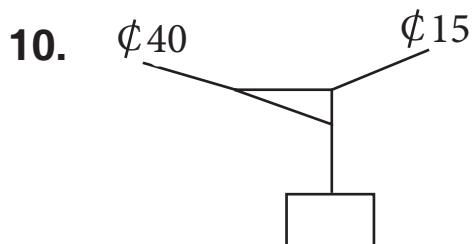
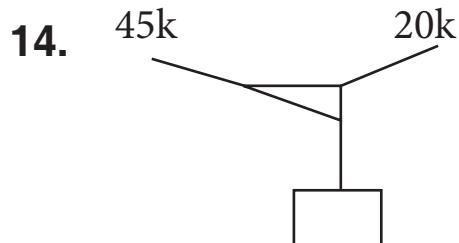
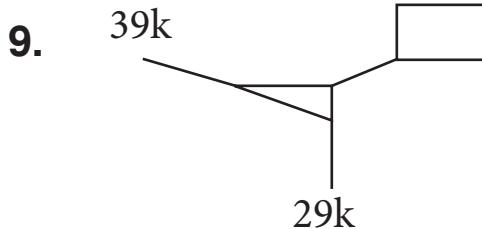
 $\$55$  $\$39$ 

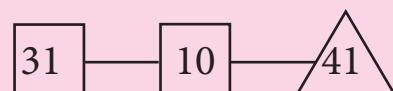
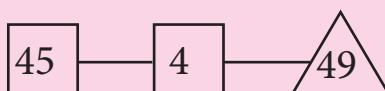
4.

 $47k$  $23k$ 

8.

 $\$27$  $\$11$ 



**Example:**

1.  $\boxed{17} \rightarrow \boxed{11} \rightarrow \triangle$

6.  $\boxed{19} \rightarrow \boxed{20} \rightarrow \triangle$

2.  $\boxed{24} \rightarrow \boxed{10} \rightarrow \triangle$

7.  $\boxed{14} \rightarrow \boxed{14} \rightarrow \triangle$

3.  $\boxed{17} \rightarrow \boxed{8} \rightarrow \triangle$

8.  $\boxed{23} \rightarrow \boxed{0} \rightarrow \triangle$

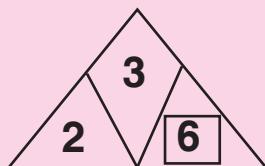
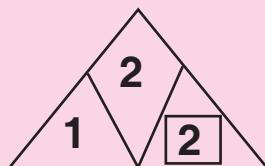
4.  $\boxed{18} \rightarrow \boxed{11} \rightarrow \triangle$

9.  $\boxed{26} \rightarrow \boxed{11} \rightarrow \triangle$

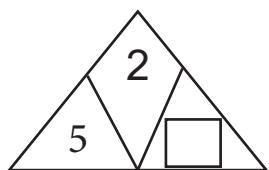
5.  $\boxed{15} \rightarrow \boxed{15} \rightarrow \triangle$

10.  $\boxed{28} \rightarrow \boxed{11} \rightarrow \triangle$

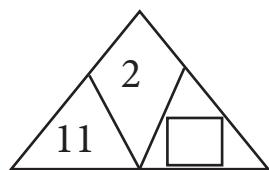


**Example:**

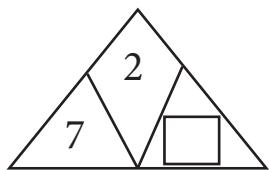
1.



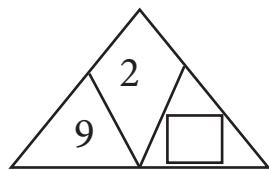
6.



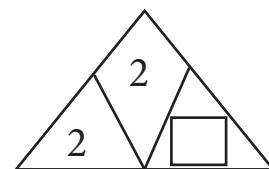
2.



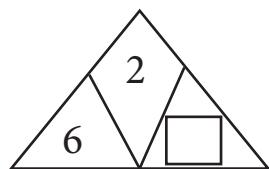
7.



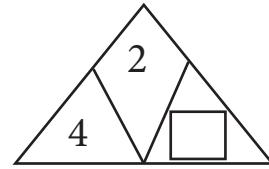
3.



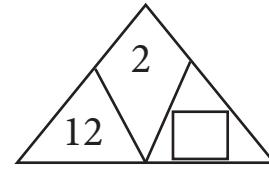
8.



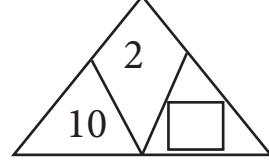
4.



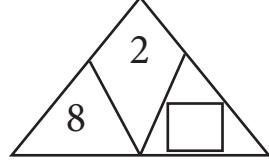
9.



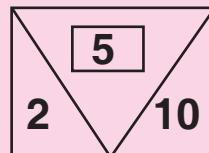
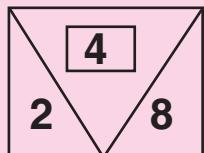
5.



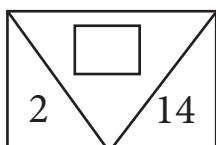
10.



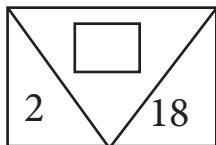
## Example:



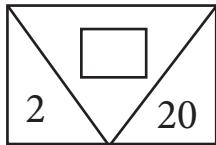
1.



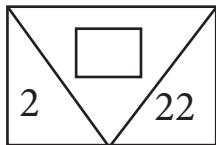
2.



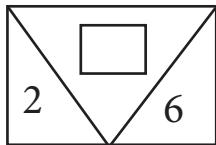
3.



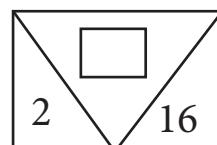
4.



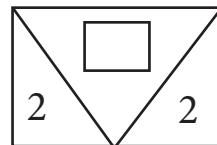
5.



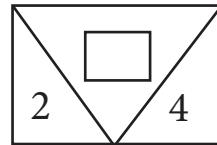
6.



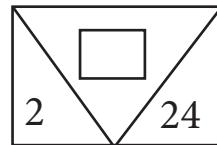
7.



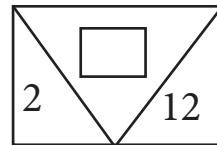
8.

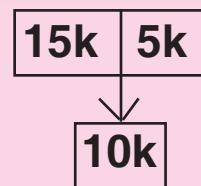
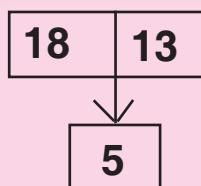


9.

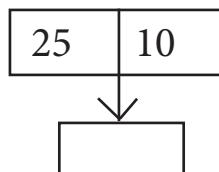


10.

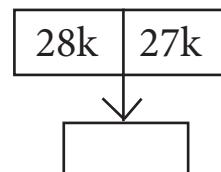


**Example:**

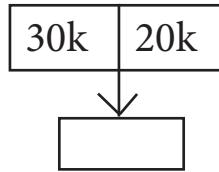
1.



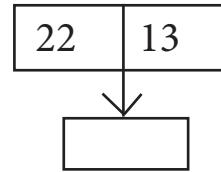
5.



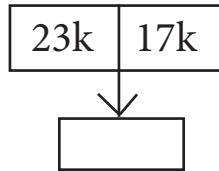
2.



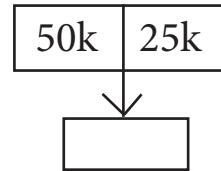
6.



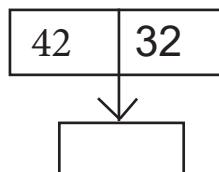
3.



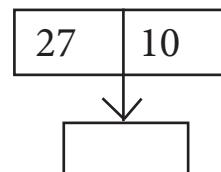
7.

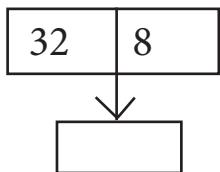
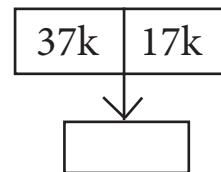
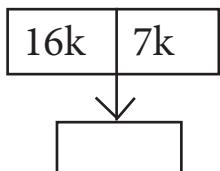
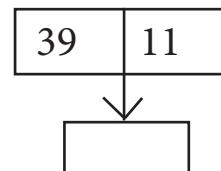
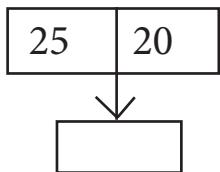
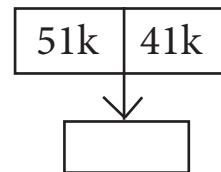
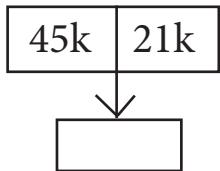
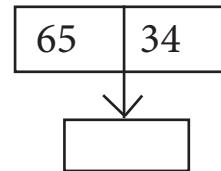


4.



8.



**9.****13.****10.****14.****11.****15.****12.****16.**



# STEPS TO QUANTITATIVE REASONING

## For Primary Schools

1

Ore Olunloyo



Lantern books

LITERAMED PUBLICATIONS (NIG) LTD

Basic Operations

First Published, 1990

Revised 1999, 2002, 2005, 2008, 2009, 2011, 2014, 2016, 2018, 2022

Replanned 2006, 2014, 2025

Reprinted 2003, 2004, 2012, 2025

by

**Lantern books**



a division of

**Literamed Publications Nigeria Limited**

No 1, Plot 45, Morrison Crescent,

Alausa Bus-Stop Oregun Road

P. M. B. 21068,

Ikeja, Lagos,

Nigeria.

Tel: +234(0)1-790 1129, +234(0)1-790 1130

Email: information@literamed.com

Website: www.lantern-books.com

**Frontline - 08079043333, 08107000072**

**Whatsapp - 09062022003, 08063367604**

**Literamed Publications (Ghana) Limited**

Plot 2, 7th Street, South Odorkor Esatake,

Sakaman (Opposite Enso Nyame Ye Spot)

P. O. Box DS 583,

Dansoman, Accra,

Ghana.

Tel: +233-244-779853

© Ore Olunloyo 2025

ISBN 978-978-100-942-6

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher and the author.

Designed and Printed by

**Literamed Publications Nigeria Limited**

Printing Press Division,

Ikeja, Lagos.

# Preface



**Steps to Quantitative Reasoning** is a collection of carefully graded books designed to put pupils through the skills needed for quantitative reasoning.

It is hoped that at the end of the series, the pupils who use it would have a basic understanding in tackling any past question papers on Quantitative Aptitude, and that it would guide the child step-by-step to a brilliant performance in the common entrance examination, Universal Basic Education examination and similar intelligence tests. Since solutions to problems in the books demand careful attention and reasoning, the series impact, gradually, these skills to children.

It is however very important for the teacher to structure the learning process even though the exercises are self-explanatory.

Remember, we learn by doing, but we learn best of all by doing correctly.

In each of the books, the exercises and tests become progressively difficult. The books can be used at home and in school. There is an answer book for the series.

In this revised edition, more exercises have been included to expand further the pupils' activities and to prepare them for Universal Basic Education examinations.

*Steps to Quantitative Reasoning* has a companion series called *Steps to Verbal Reasoning*.

**Ore Olunloyo**

# Contents



	Page
<b>Do you know your numbers?</b>	1
Exercise 1a - c	3
Exercise 2a - b	6
Exercise 3a - c	10
<b>More numbers to know</b>	13
Exercise 4a - c	15
Exercise 5a - c	18
Exercise 6a - b	21
Exercise 7a - b	23
Exercise 8a - b	25
Exercise 9a - b	27
<b>Can you read these numbers ?</b>	29
Exercise 10a - b	31
Exercise 11a - c	33
Exercise 12a - b	36
Exercise 13	38
Exercise 14	40
Exercise 15a - b	42
Exercise 16a - c	45
Exercise 17	46
Exercise 18a - b	46



Page

Exercise 19a - b	48
<b>Can you write in words?</b>	50
Exercise 20a - b	51
Exercise 21a - c	53
<b>More numbers to write in words</b>	56
Exercise 22a - c	58
Exercise 23a - b	62
<b>Fractions</b>	64
Exercise 24a - c	66
Test 1	70
Test 2	71
Test 3	72
Test 4	74
Test 5	76
Test 6	78
<b>Do you know?</b>	79
Test 7	81
Test 8	82
Test 9	84
Test 10	86
Test 11	89



Test 12	90
Test 13	91
Test 14	93
Test 15	94
Test 16	95
Test 17	96
Test 18	98
Test 19	100
Test 20	102
Test 21	103
Test 22	104
Test 23	105