



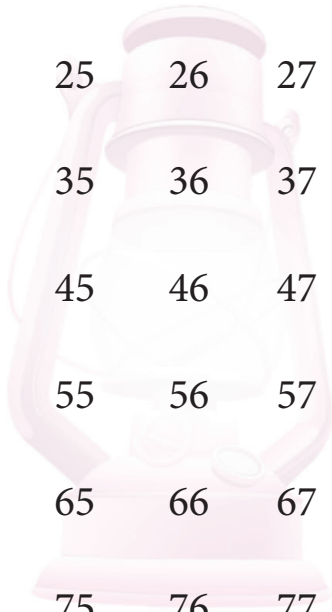
Date:

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: \_\_\_\_\_

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 30 26 29 28 = 26 27 28 29 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 = \_\_\_\_\_

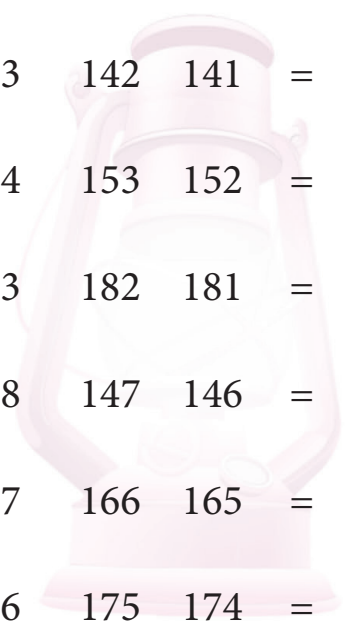
6. 150 149 148 147 146 = \_\_\_\_\_

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



Date: \_\_\_\_\_

**Example:**



32 31 30 29 28 = 28 29 30 31 32  
 \_\_\_\_\_

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 = \_\_\_\_\_



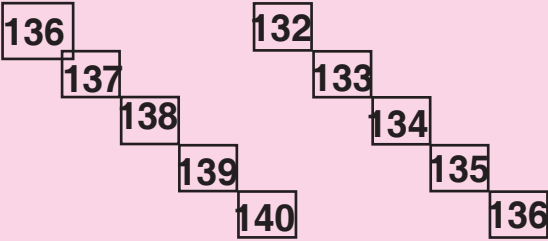
NEW EDITION

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

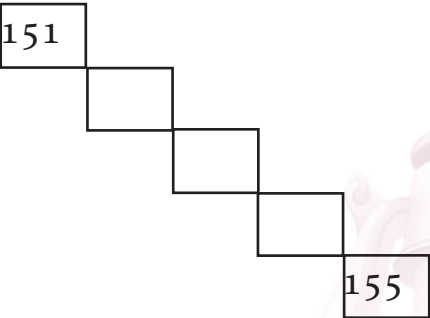


Date:

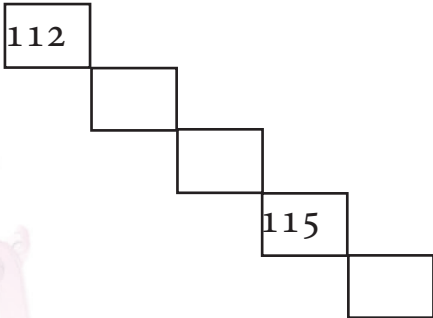
Example:



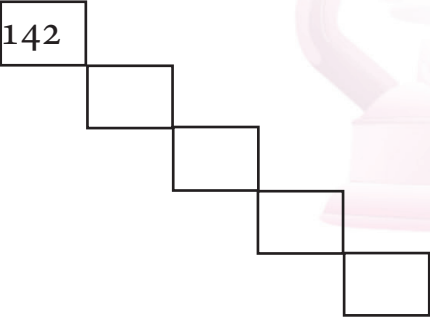
1.



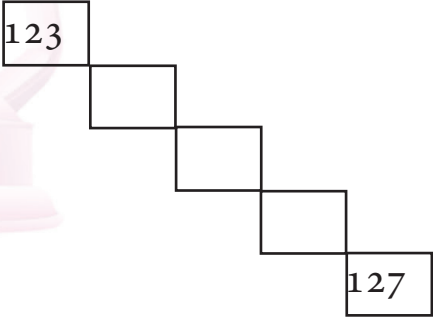
3.



2.



4.



[illegible]

8.

A staircase diagram with four steps. The first step is an empty square. The second step is a square containing the number 157. The third step is an empty square. The fourth step is a square containing the number 159. A horizontal line extends to the right from the bottom of the fourth step.


6.

		128	
			129

9.

176					
			178		

[illegible]

10. 



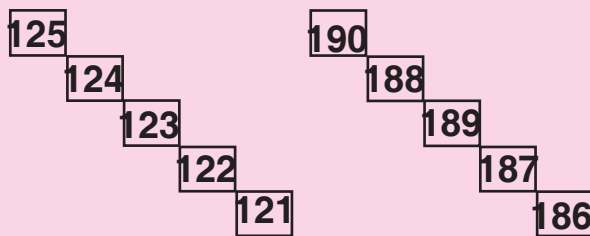
# Exercise 2b

1 2 3 4 5 6 7 8 9

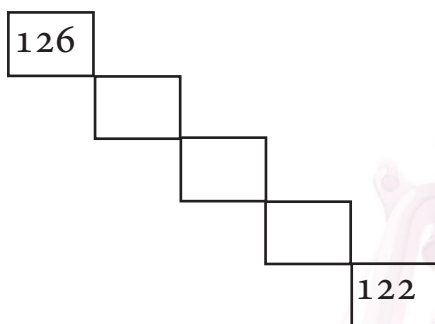


Date: \_\_\_\_\_

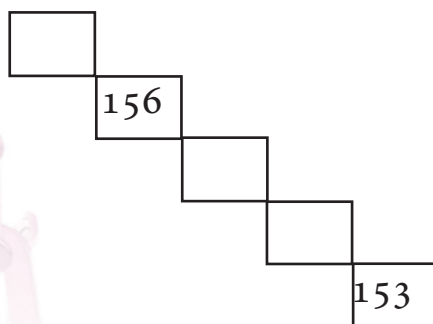
**Example:**



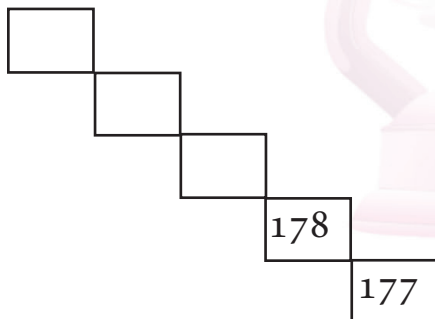
1.



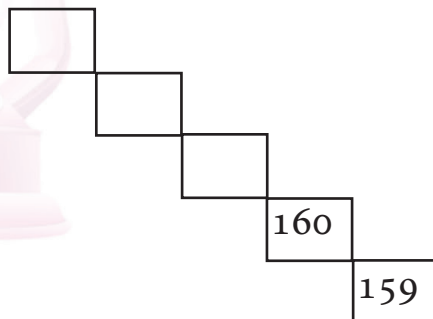
3.



2.



4.





**5.**

180

**8.**

133

131

**6.**

136

135

9.

178

177

7.

146

144

10.

124

123



**Score:**



Date: \_\_\_\_\_

**Example:**

*Put in the right order.*



149  
126

126  
138

138  
149

154  
154

180  
180

1. 58

63

25

40

83

—

—

—

—

—

2. 120

133

105

114

121

—

—

—

—

—

3. 61

59

33

42

67

—

—

—

—

—

4. 166

146

156

136

126

—

—

—

—

—

5. 37

73

47

27

97

—

—

—

—

—

6. 105

103

110

127

99

—

—

—

—

—

7. 80

60

50

40

70

—

—

—

—

—

8. 73

28

13

44

58

—

—

—

—

—

9. 93

42

23

82

63

—

—

—

—

—

10. 68

62

56

43

80

—

—

—

—

—



## Exercise 3b

## More mixed numbers

Date: \_\_\_\_\_

**Example:**



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

1.  $138 \quad 134 \quad 137 \quad 135 \quad 136 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

2.  $183 \quad 187 \quad 184 \quad 186 \quad 185 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

3.  $129 \quad 130 \quad 132 \quad 133 \quad 131 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

4.  $166 \quad 169 \quad 170 \quad 168 \quad 167 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

5.  $149 \quad 147 \quad 148 \quad 146 \quad 150 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

6.  $188 \quad 191 \quad 190 \quad 189 \quad 187 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

7.  $159 \quad 156 \quad 158 \quad 157 \quad 155 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

8.  $178 \quad 177 \quad 175 \quad 179 \quad 176 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

9.  $117 \quad 120 \quad 118 \quad 116 \quad 119 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$

10.  $166 \quad 164 \quad 168 \quad 167 \quad 165 = \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$



NEW EDITION

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

## Example:



$$\begin{array}{r} 197 \\ \underline{62} \end{array}$$

$$\begin{array}{r} 105 \\ \underline{87} \end{array}$$

$$\begin{array}{r} 87 \\ \underline{105} \end{array}$$

$$\begin{array}{r} 62 \\ \underline{120} \end{array}$$

$$\begin{array}{r} 120 \\ \underline{197} \end{array}$$

- |     |   |   |   |   |   |
|-----|---|---|---|---|---|
| 1.  | $\begin{array}{r} 150 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 130 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 140 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 180 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 120 \\ \underline{\quad} \end{array}$ |
| 2.  | $\begin{array}{r} 80 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 50 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 90 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 70 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 60 \\ \underline{\quad} \end{array}$  |
| 3.  | $\begin{array}{r} 71 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 83 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 69 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 55 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 43 \\ \underline{\quad} \end{array}$  |
| 4.  | $\begin{array}{r} 129 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 119 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 198 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 148 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 133 \\ \underline{\quad} \end{array}$ |
| 5.  | $\begin{array}{r} 190 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 175 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 165 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 138 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 125 \\ \underline{\quad} \end{array}$ |
| 6.  | $\begin{array}{r} 200 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 189 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 199 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 179 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 169 \\ \underline{\quad} \end{array}$ |
| 7.  | $\begin{array}{r} 179 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 155 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 80 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 52 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 107 \\ \underline{\quad} \end{array}$ |
| 8.  | $\begin{array}{r} 84 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 19 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 73 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 66 \\ \underline{\quad} \end{array}$  | $\begin{array}{r} 58 \\ \underline{\quad} \end{array}$  |
| 9.  | $\begin{array}{r} 183 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 175 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 190 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 177 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 140 \\ \underline{\quad} \end{array}$ |
| 10. | $\begin{array}{r} 200 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 177 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 193 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 120 \\ \underline{\quad} \end{array}$ | $\begin{array}{r} 134 \\ \underline{\quad} \end{array}$ |



**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

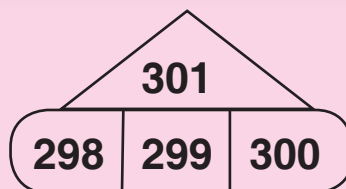
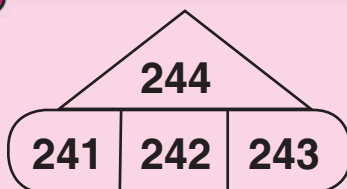


# Exercise 4a

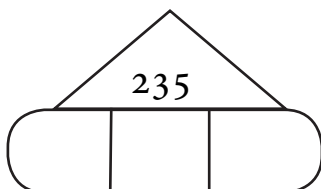


Date: \_\_\_\_\_

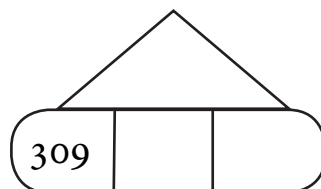
**Example:**



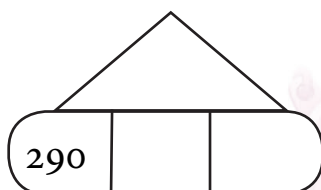
1.



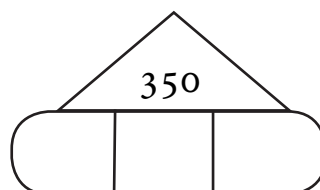
6.



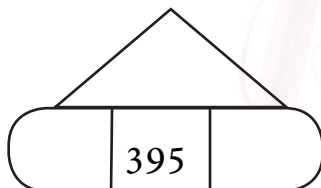
2.



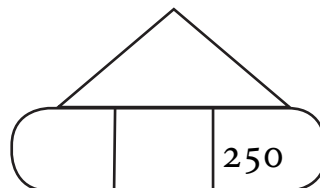
7.



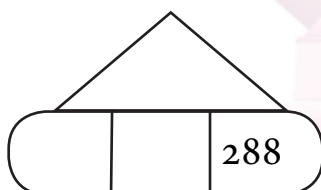
3.



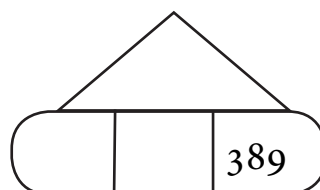
8.



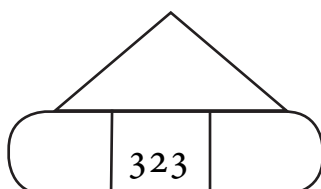
4.



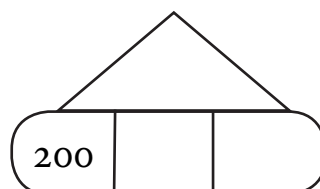
9.



5.



10.



NEW EDITION

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

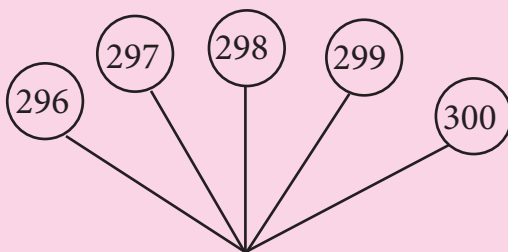
# Exercise 4b

1 2 3 4 5 6 7 8 9

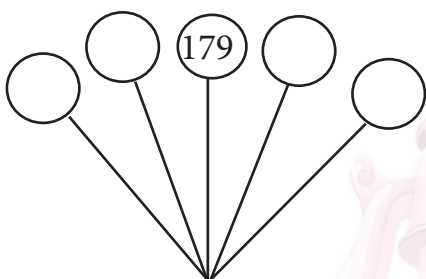


Date: \_\_\_\_\_

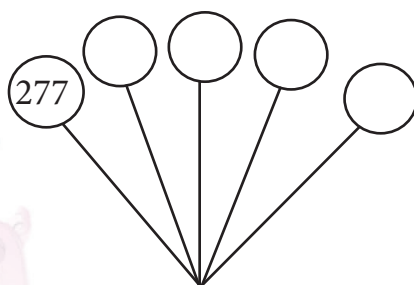
**Example:**



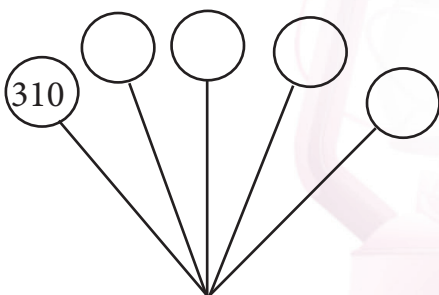
1.



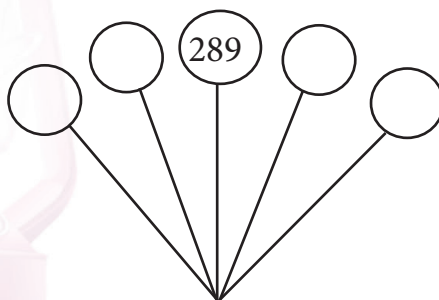
4.



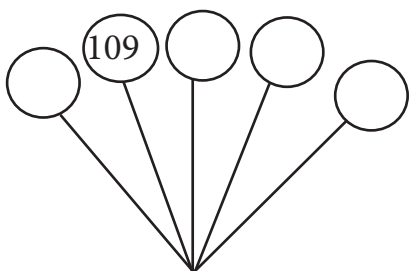
2.



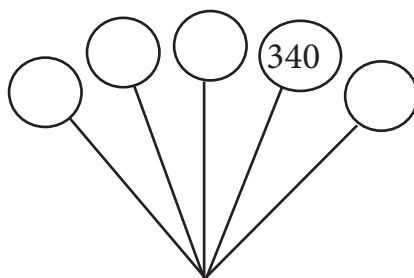
5.



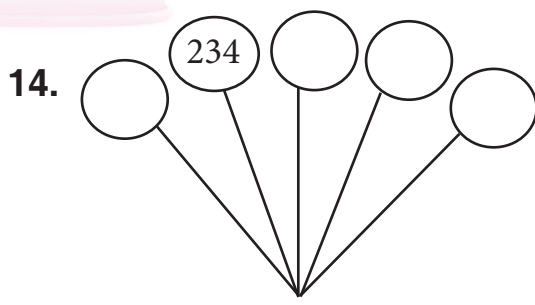
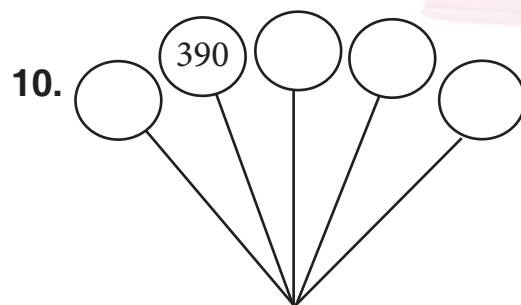
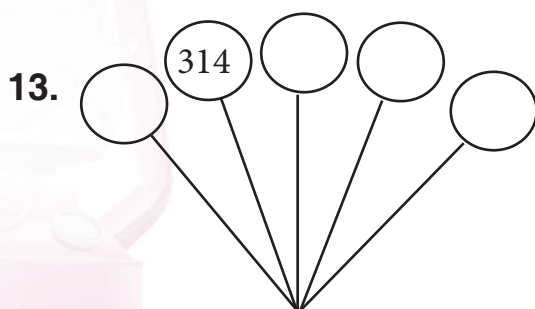
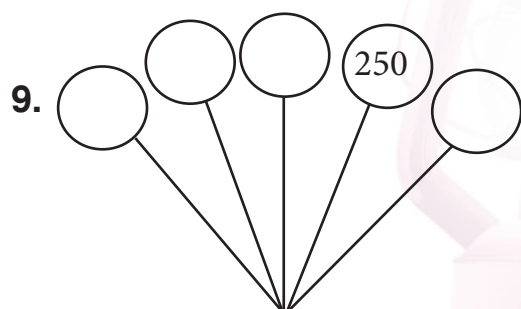
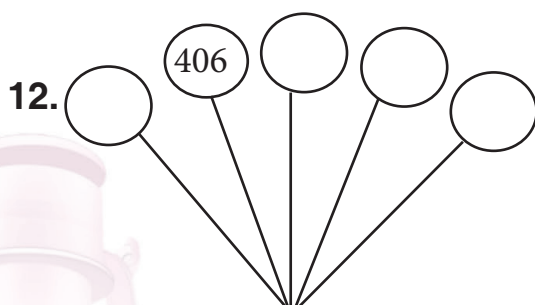
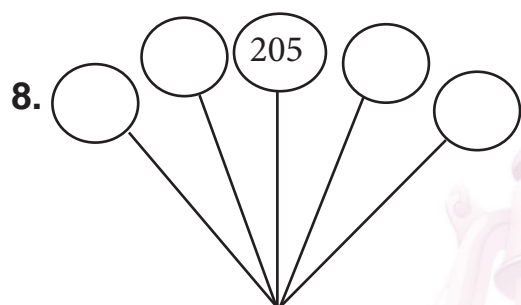
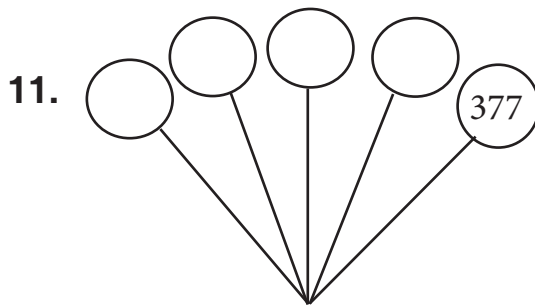
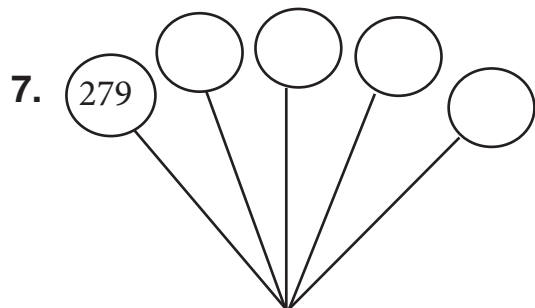
3.



6.









Date: \_\_\_\_\_

**Example:**



220 139 105 **101** 200 = 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



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: \_\_\_\_\_



Date: \_\_\_\_\_

**Example:**



123    114    156    214    312  $\implies$  312    114

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

1. 89    67    210    213    45  $\implies$  \_\_\_\_\_
2. 314    215    118    246    309  $\implies$  \_\_\_\_\_
3. 47    74    64    46    86  $\implies$  \_\_\_\_\_
4. 399    299    89    199    70  $\implies$  \_\_\_\_\_
5. 126    304    217    97    320  $\implies$  \_\_\_\_\_
6. 205    78    305    50    80  $\implies$  \_\_\_\_\_
7. 133    397    214    137    60  $\implies$  \_\_\_\_\_
8. 400    318    297    118    90  $\implies$  \_\_\_\_\_
9. 118    147    273    88    162  $\implies$  \_\_\_\_\_
10. 334    126    286    31    147  $\implies$  \_\_\_\_\_





Date: \_\_\_\_\_

**Example:**



$$\begin{array}{c} \boxed{25} \\ \uparrow \\ \boxed{13 + 12} \end{array}$$

$$\begin{array}{c} \boxed{46} \\ \uparrow \\ \boxed{26 + 20} \end{array}$$

1.

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

6.

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

2.

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

7.

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

3.

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

8.

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

4.

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

9.

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

5.

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

10.

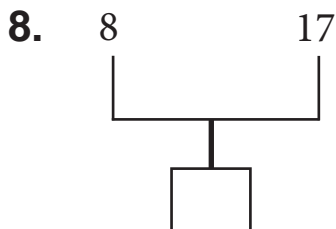
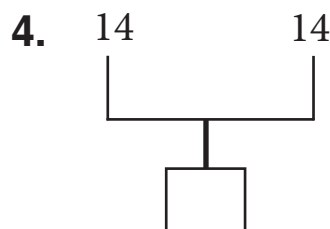
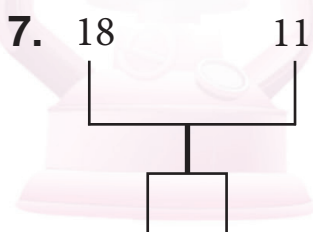
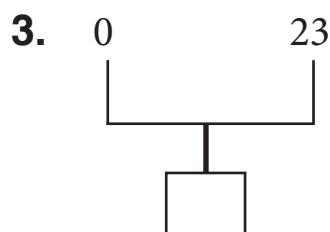
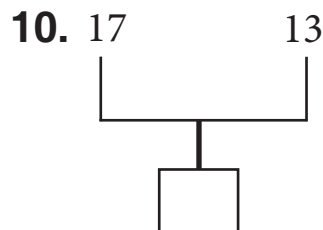
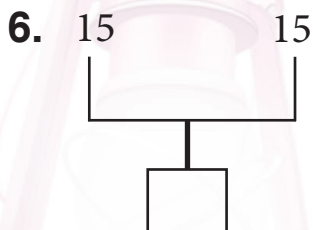
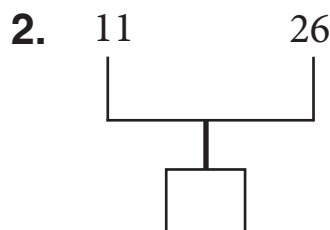
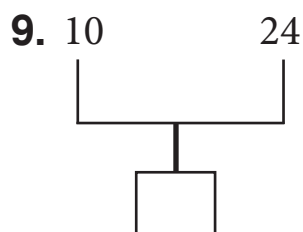
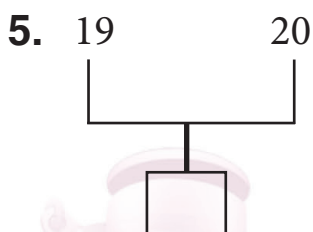
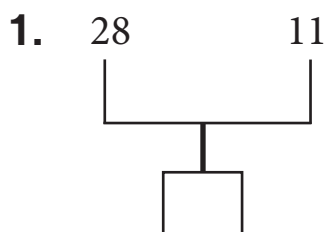
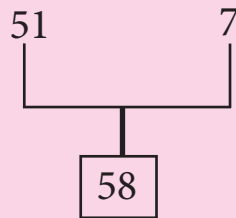
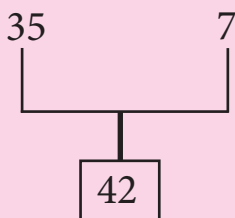
$$\begin{array}{c} \boxed{\phantom{00}} \\ \uparrow \\ \boxed{1 + 18} \end{array}$$





Date: \_\_\_\_\_

**Example:**





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.

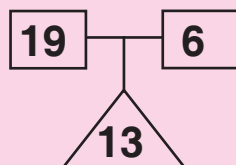
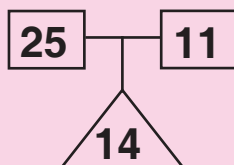
$$45 - 10$$

10.

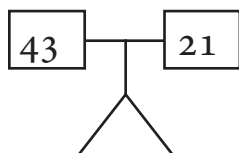
$$82 - 25$$



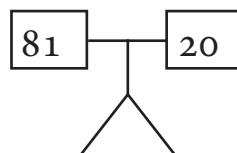
**Example:**



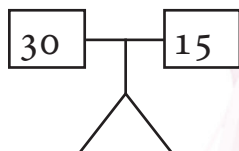
1.



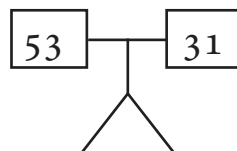
6.



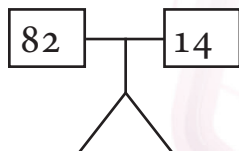
2.



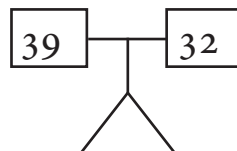
7.



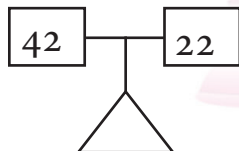
3.



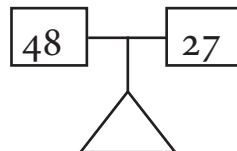
8.



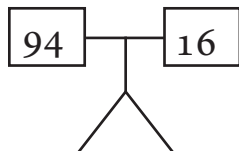
4.



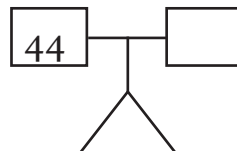
9.



5.



10.





**Example:**



$$\boxed{7} + \boxed{3} \longrightarrow \boxed{10}$$

$$\boxed{14} + \boxed{4} \longrightarrow \boxed{18}$$

$$1. \quad \boxed{\phantom{00}} + \boxed{4} \longrightarrow \boxed{19} \qquad 6. \quad \boxed{8} + \boxed{\phantom{00}} \longrightarrow \boxed{13}$$

$$2. \quad \boxed{15} + \boxed{27} \longrightarrow \boxed{\phantom{00}} \qquad 7. \quad \boxed{\phantom{00}} + \boxed{2} \longrightarrow \boxed{15}$$

$$3. \quad \boxed{12} + \boxed{\phantom{00}} \longrightarrow \boxed{18} \qquad 8. \quad \boxed{12} + \boxed{14} \longrightarrow \boxed{\phantom{00}}$$

$$4. \quad \boxed{\phantom{00}} + \boxed{9} \longrightarrow \boxed{10} \qquad 9. \quad \boxed{14} + \boxed{\phantom{00}} \longrightarrow \boxed{17}$$

$$5. \quad \boxed{\phantom{00}} + \boxed{21} \longrightarrow \boxed{36} \qquad 10. \quad \boxed{11} + \boxed{\phantom{00}} \longrightarrow \boxed{19}$$



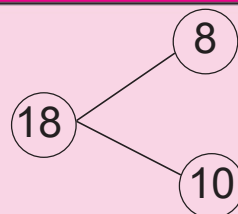
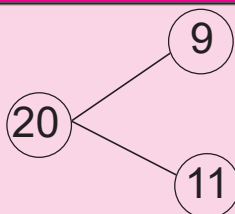
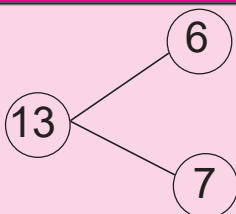
# Exercise 8b

1 2 3 4 5 6 7 8 9

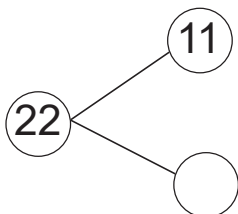


Date: \_\_\_\_\_

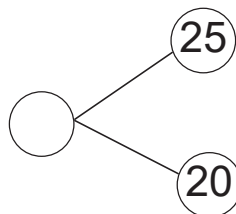
**Example:**



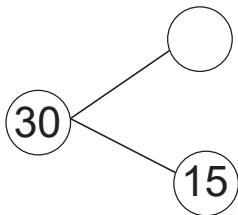
1.



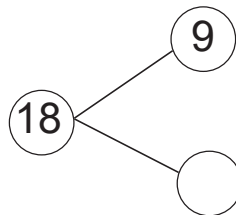
6.



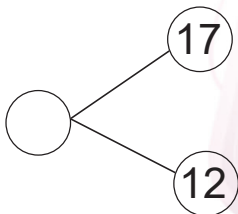
2.



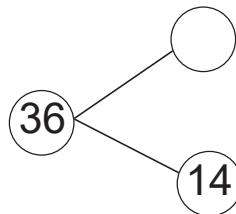
7.



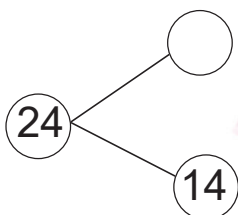
3.



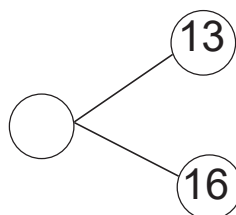
8.



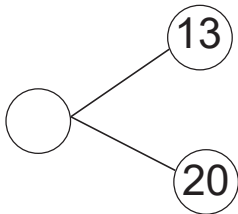
4.



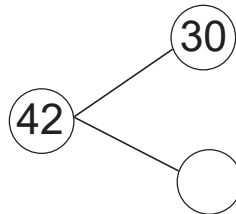
9.



5.



10.





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

-

→

5.

14

-

11

→

10.

12

-

→

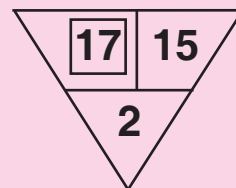
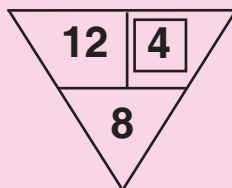
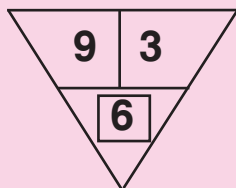
1



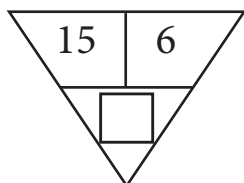


Date: \_\_\_\_\_

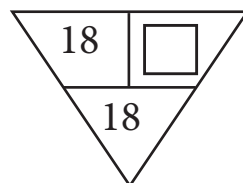
**Example:**



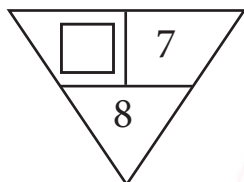
1.



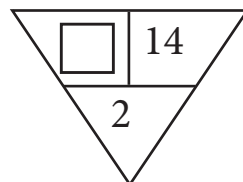
6.



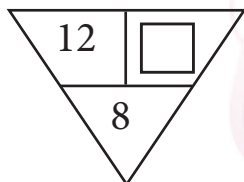
2.



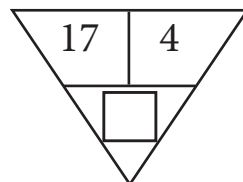
7.



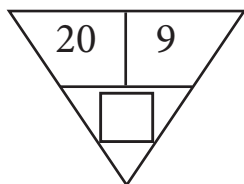
3.



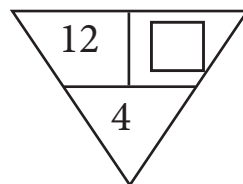
8.



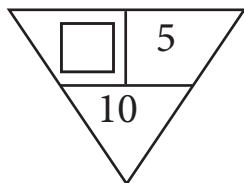
4.



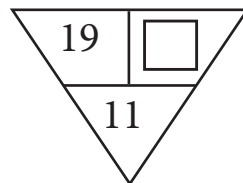
9.



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



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



# Exercise 10a

1 2 3 4 5 6 7 8 9



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      



NEW EDITION

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

# Exercise 10b



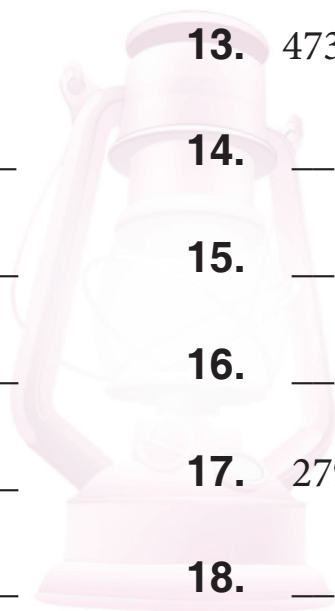
Date: \_\_\_\_\_

**Example:**



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

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







Date: \_\_\_\_\_

**Example:**

**Study the pattern.**

**Circle and write out the numbers.**

34   46   49   35   31    $\longrightarrow$    34   35  
 12   31   41   21   42    $\longrightarrow$    41   42



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



# Exercise 11b More patterns

Date: \_\_\_\_\_

**Example:**



<u>398</u>	342	<u>399</u>	310	<u>400</u>	→	<u>398</u>	<u>399</u>	<u>400</u>
429	<u>496</u>	<u>497</u>	420	<u>498</u>	→	<u>496</u>	<u>497</u>	<u>498</u>

**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    →    \_\_\_\_\_



## 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 —>    —    —    —





Date: \_\_\_\_\_

**Example:**



14	3	→	17
9	8	→	17

10	2	→	12
7	5	→	12

1.

13	7	→	
16	4	→	

6.

18	2	→	
16	4	→	

2.

8	3	→	
10	1	→	

7.

9	5	→	
10	4	→	

3.

8	5	→	
1	12	→	

8.

7	7	→	
14	0	→	

4.

15	1	→	
14	2	→	

9.

12	4	→	
11	5	→	

5.

19	1	→	
20	0	→	

10.

1	2	→	
2	1	→	



# Exercise 12b



Date: \_\_\_\_\_

**Example:**



10	13	3
9	13	4

6	15	9
14	15	1

1.

17	20	
10	20	10

6.

12	16	
14	16	2

2.

8	16	8
	16	9

7.

11	14	3
	14	7

3.

19		0
10	19	9

8.

9	20	11
	20	3

4.

8	20	
15	20	5

9.

	15	5
8	15	7

5.

13	19	6
	19	18

10.

6	12	6
9	12	



NEW EDITION

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

# Exercise 13

1 2 3 4 5 6 7 8 9



Date: \_\_\_\_\_

**Example:**



50	↓	40
	10	

30	↑	20
	50	

1.

25	↓	10

6.

23	↑	10

2.

40	↑	0

7.

41	↓	9

3.

33	↑	11

8.

38	↑	2

4.

28	↓	10

9.

30	↑	0

5.

45	↓	15

10.

35	↓	35



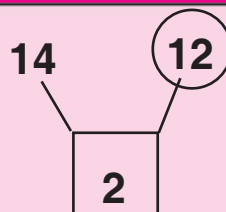
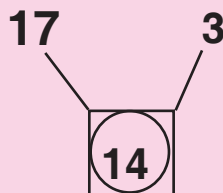
# Exercise 14

1 2 3 4 5 6 7 8 9

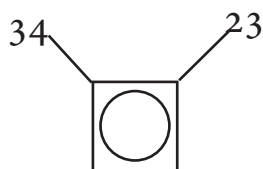


Date: \_\_\_\_\_

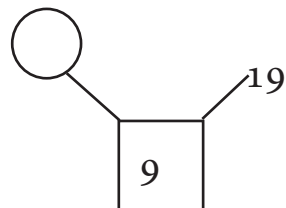
**Example:**



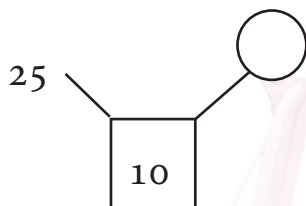
1.



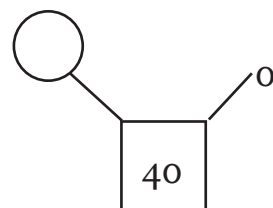
6.



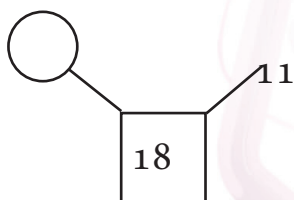
2.



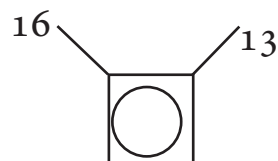
7.



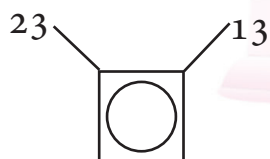
3.



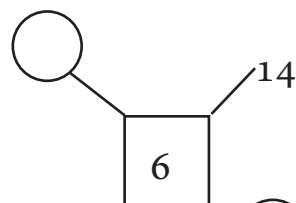
8.



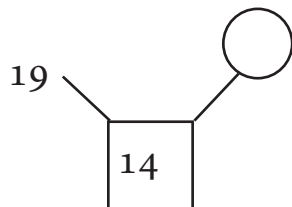
4.



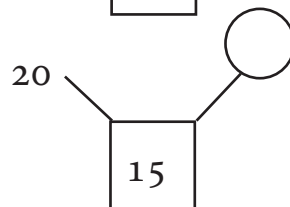
9.



5.



10.



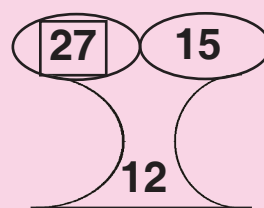
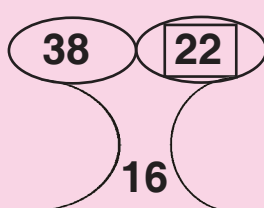
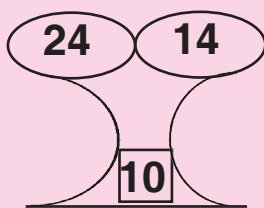
NEW EDITION

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

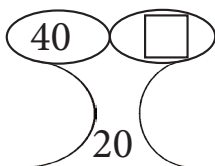


Date: \_\_\_\_\_

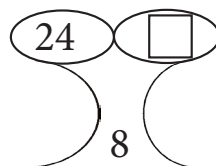
**Example:**



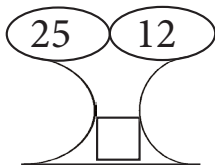
1.



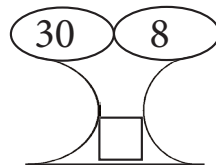
6.



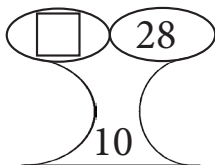
2.



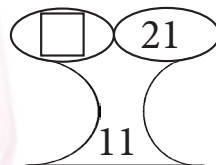
7.



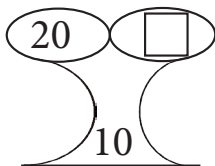
3.



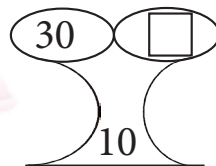
8.



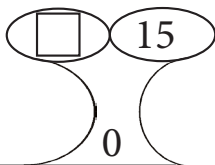
4.



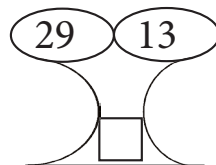
9.



5.



10.

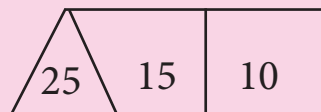




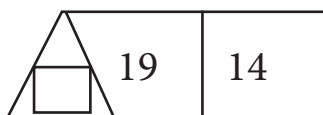


Date: \_\_\_\_\_

**Example:**



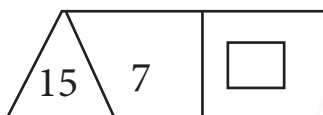
1.



6.



2.



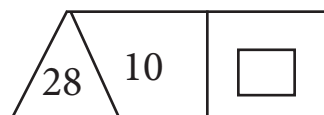
7.



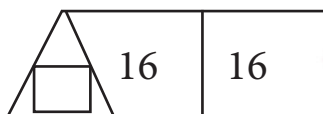
3.



8.



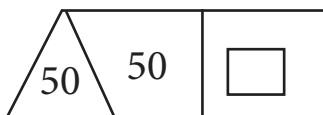
4.



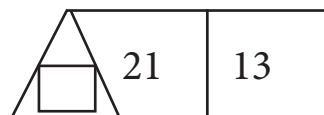
9.



5.

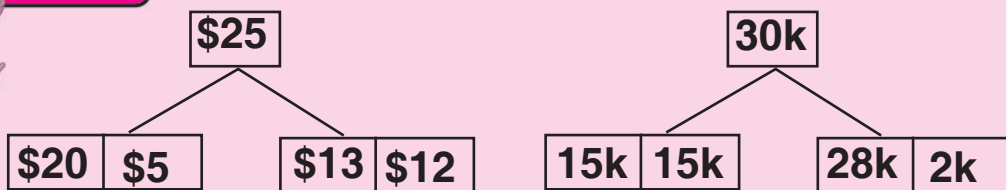


10.

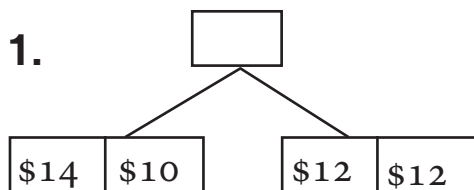




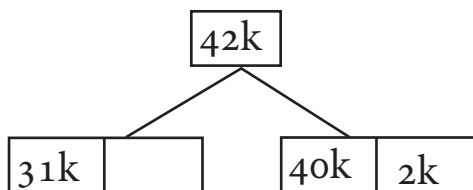
## Example:



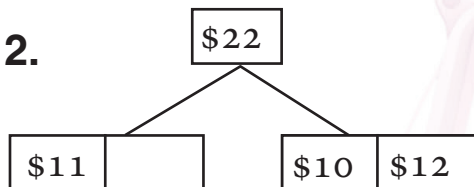
1.



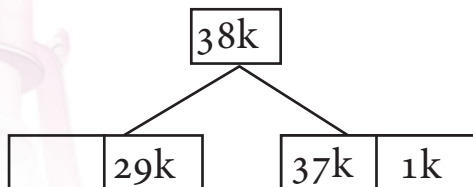
5.



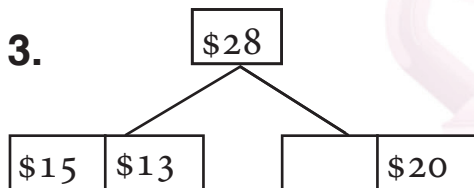
2.



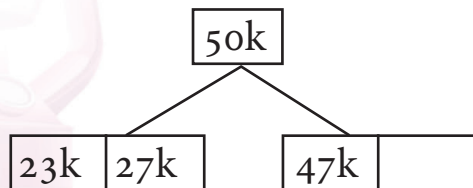
6.



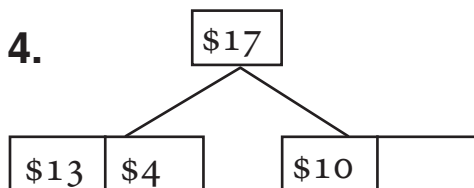
3.



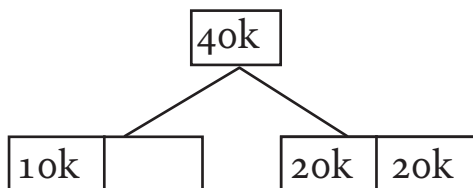
7.



4.



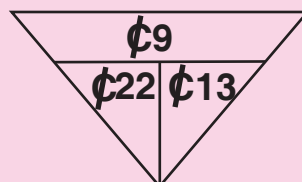
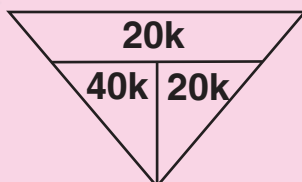
8.



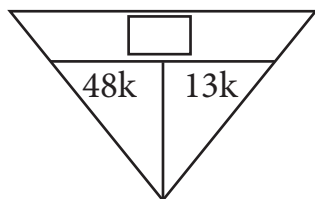
# Exercise 16b

Date: \_\_\_\_\_

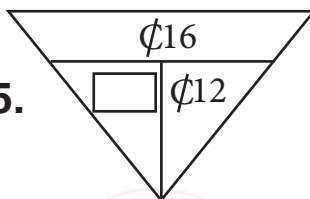
Example:



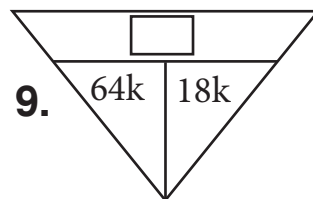
1.



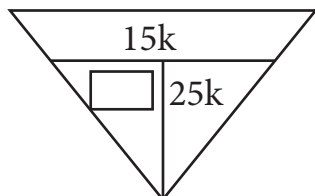
5.



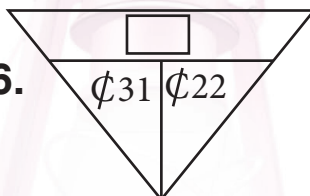
9.



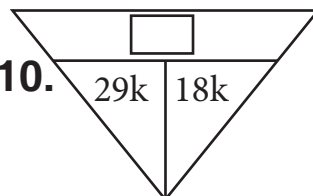
2.



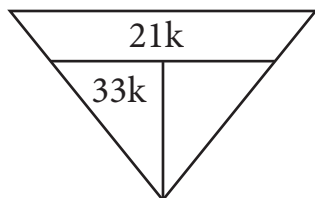
6.



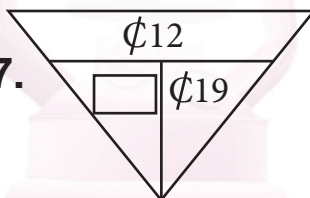
10.



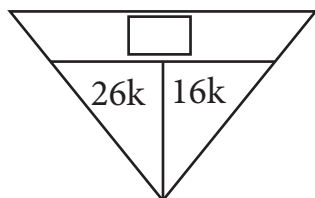
3.



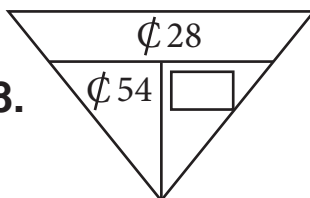
7.



4.



8.



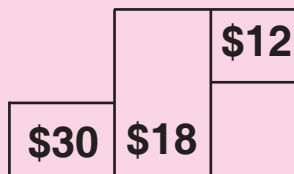
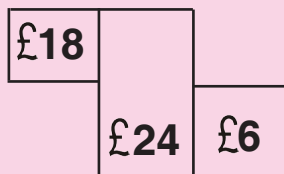
NEW EDITION

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

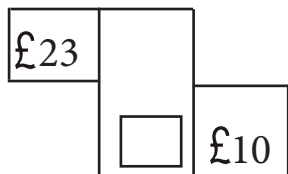


Date: \_\_\_\_\_

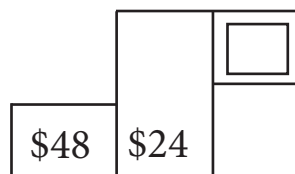
**Example:**



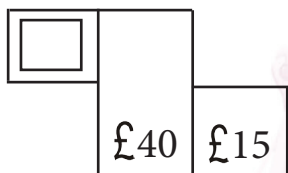
1.



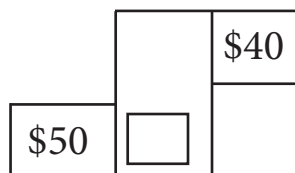
6.



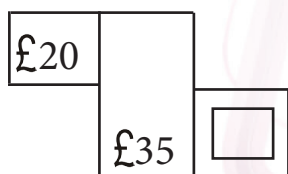
2.



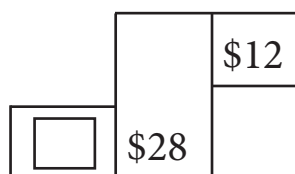
7.



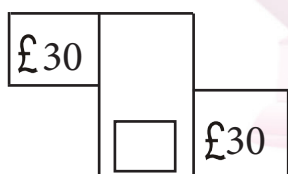
3.



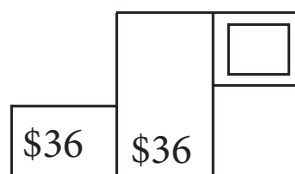
8.



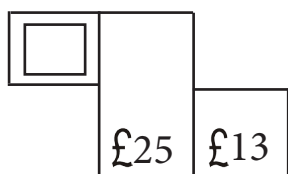
4.



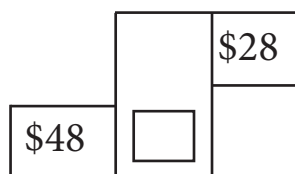
9.



5.



10.



# Exercise 17

1 2 3 4 5 6 7 8 9



Date: \_\_\_\_\_

**Example:**



16k	26k	10k

€30	€50	€20

1.

<input type="text"/>	20k	20k

6.

<input type="text"/>	€42	€22

2.

15k	19k	<input type="text"/>

7.

€25	<input type="text"/>	€25

3.

32k	<input type="text"/>	22k

8.

€38	€48	<input type="text"/>

4.

21k	31k	<input type="text"/>

9.

<input type="text"/>	€42	€22

5.

<input type="text"/>	50k	35k

10.

€28	<input type="text"/>	12€



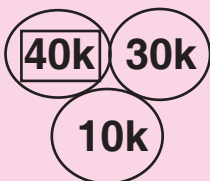
NEW EDITION

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

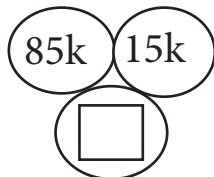


Date: \_\_\_\_\_

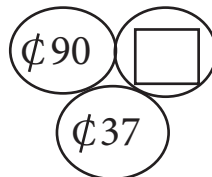
**Example:**



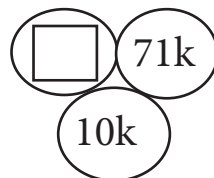
1.



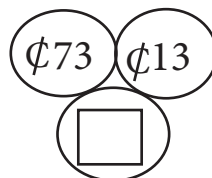
6.



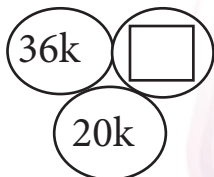
2.



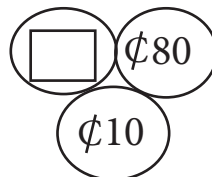
7.



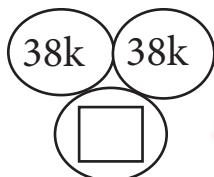
3.



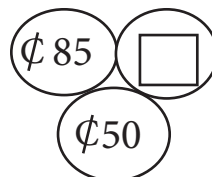
8.



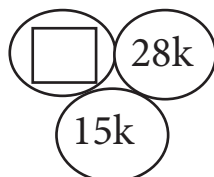
4.



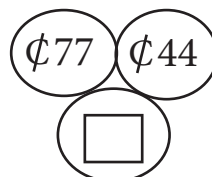
9.



5.

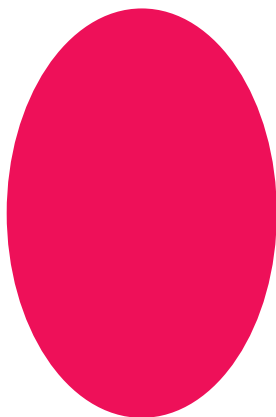


10.





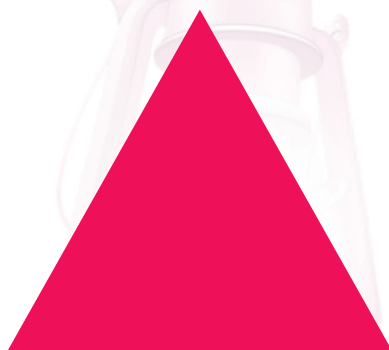
## Shapes



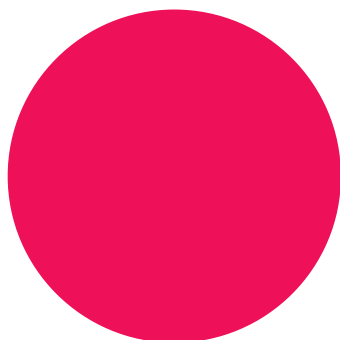
Oval



Square



Triangle



Circle



Rectangle





Date: \_\_\_\_\_

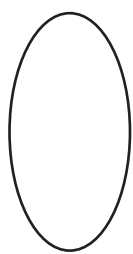


*Now, I know my shapes.*

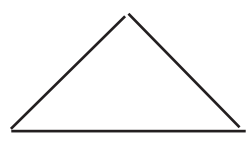
**Name the figures:**



\_\_\_\_\_



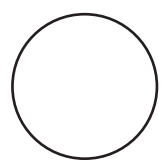
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

**Draw these shapes.**



**Square**

**Circle**

**Triangle**

**Oval**

**Rectangle**







Date: \_\_\_\_\_



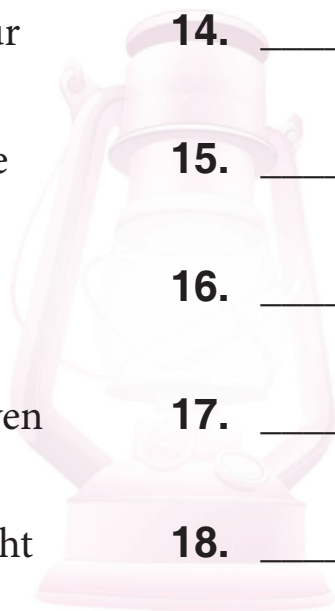
## A. Do you know?

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    |





Date: \_\_\_\_\_

## Example:



13 = thirteen; 5 = five; 11 = eleven

## Complete these:

1. 9 = n\_\_ne
2. 17 = s\_v\_nteen
3. 8 = ei\_ht
4. 16 = si\_teen
5. 19 = n\_n\_teen
6. 3 = th\_ee
7. 15 = f\_f\_eeen
8. 20 = t\_enty
9. 2 = tw\_\_
10. 13 = thi\_teen
11. 1 = \_ne
12. 4 = fo\_r
13. 18 = eig\_teen
14. 10 = t\_n
15. 6 = si\_\_
16. 12 = t\_elve
17. 14 = fo\_rteen
18. 11 = e\_even
19. 7 = s\_ven
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 = \_\_\_\_\_



### 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 → \_\_\_\_\_



### 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	—————→					<u>o</u>	<u>n</u>	<u>e</u>	

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

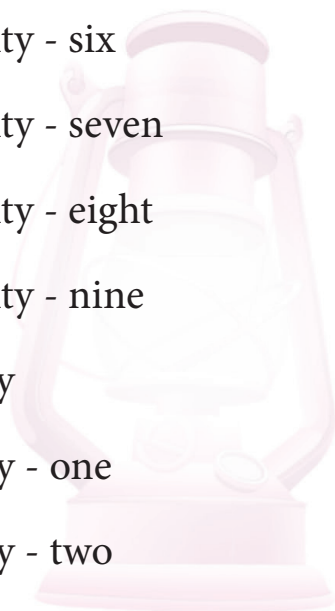
31. \_\_\_\_\_ thirty - one

32. \_\_\_\_\_ thirty - two

33. \_\_\_\_\_ thirty - three

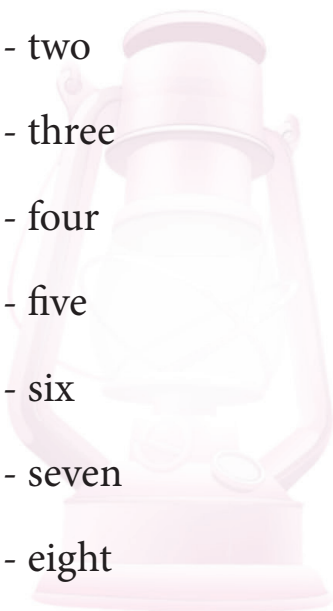
34. \_\_\_\_\_ thirty - four

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





Date: \_\_\_\_\_

## Example:



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

## Complete these:

1. 28 = tenty - eight
2. 31 = thirty - one
3. 27 = tweenty - seven
4. 33 = thirty - three
5. 29 = tenty - nine
6. 37 = thirty - seven
7. 25 = tweenty - five
8. 40 = forty
9. 38 = thirty - eight
10. 22 = twenty - two
11. 26 = tenty - six
12. 39 = thirty - nine
13. 21 = twenty - one
14. 30 = thirty
15. 36 = thirty - six
16. 23 = tenty three
17. 35 = thirty - five
18. 24 = twenty - four
19. 32 = thirty - two
20. 34 = tirty - fur





## 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 = ____          | 16. thirty - seven = ____ |
| 12. twenty - two = ____   | 17. twenty - three = ____ |
| 13. twenty - nine = ____  | 18. thirty - five = ____  |
| 14. thirty - eight = ____ | 19. thirty - three = ____ |
| 15. thirty - one = ____   | 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.***

$$2 \times 1 = 2$$

00

$$2 \times 2 = 4$$

00

00

$$2 \times 3 = 6$$

00

00

00

$$2 \times 4 = 8$$

00

00

00

00

$$2 \times 5 = 10$$

00

00

00

00

00

$$2 \times 6 = 12$$

00

00

00

00

00

00



$2 \times 7 = 14$

00  
00  
00  
00  
00  
00  
00

$2 \times 8 = 16$

00  
00  
00  
00  
00  
00  
00

$2 \times 9 = 18$

00  
00  
00  
00  
00  
00  
00

$2 \times 10 = 20$

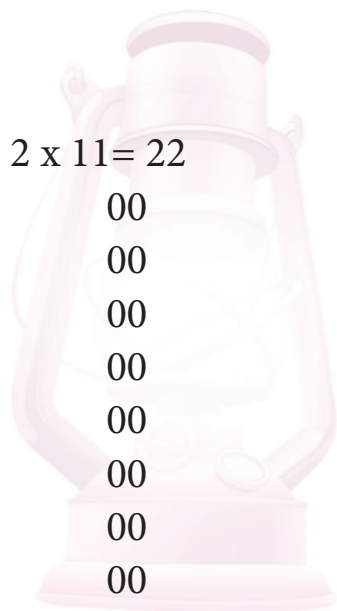
00  
00  
00  
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00  
00  
00  
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00

$2 \times 11 = 22$

00  
00  
00  
00  
00  
00  
00  
00  
00  
00

$2 \times 12 = 24$

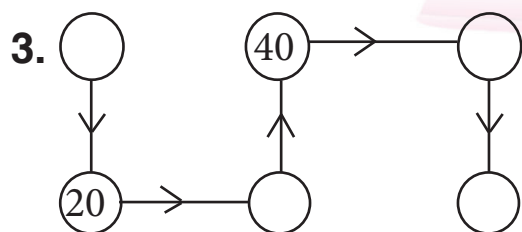
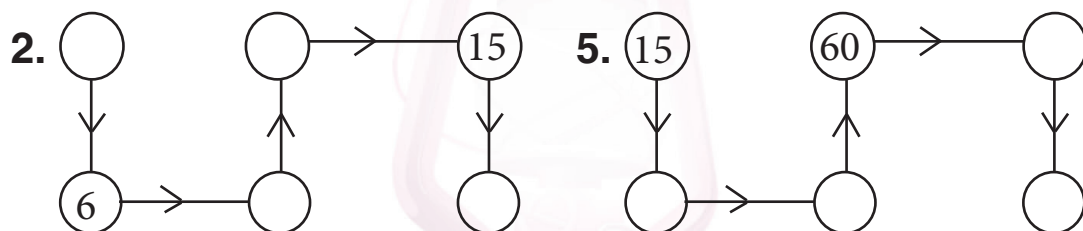
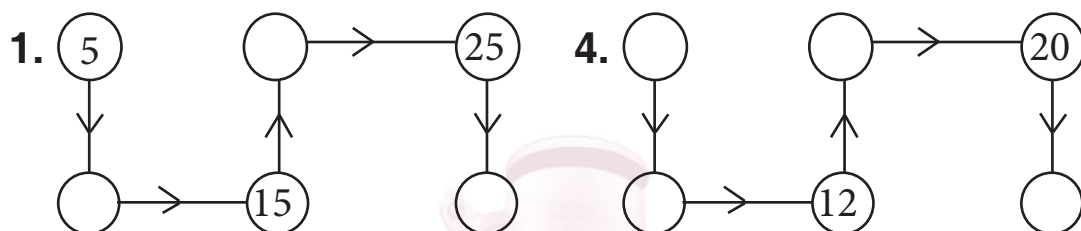
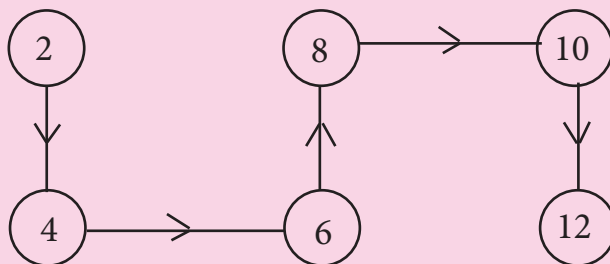
00  
00  
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00  
00  
00  
00





Date: \_\_\_\_\_

### Example:



# Exercise 23b

1 2 3 4 5 6 7 8 9



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

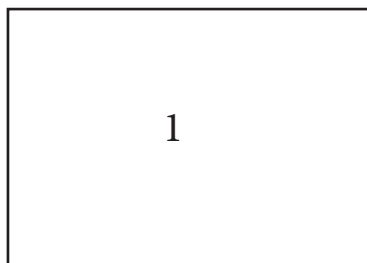



NEW EDITION

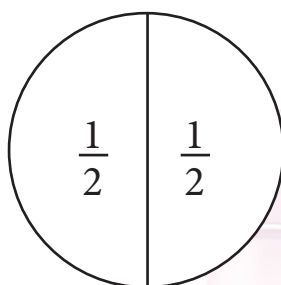
Score: \_\_\_\_\_

# Fractions

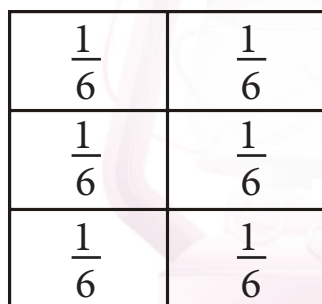
1.



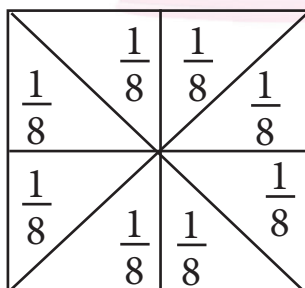
2.



3.

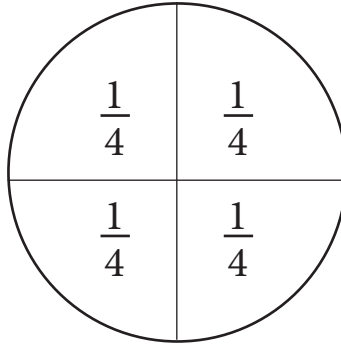


4.

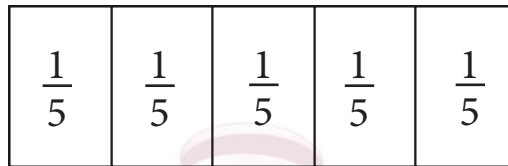




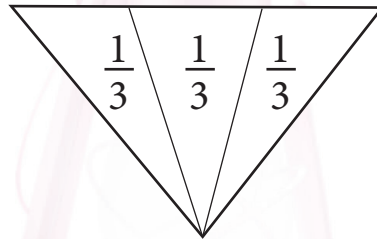
5.



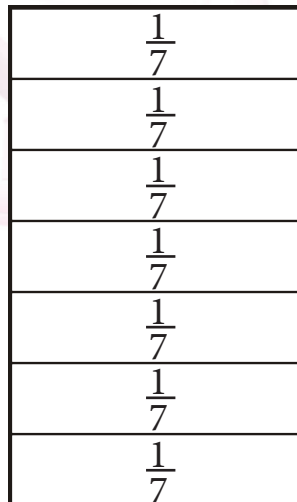
6.



7.



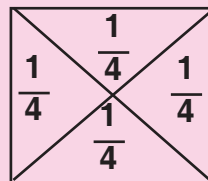
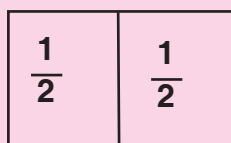
8.



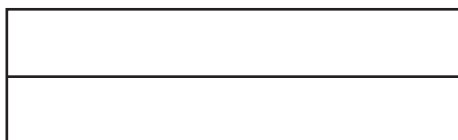


Date: \_\_\_\_\_

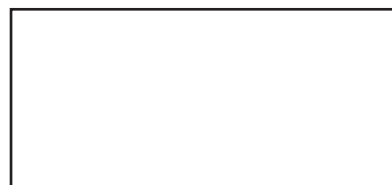
**Example:**



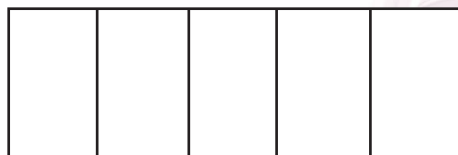
1.



4.



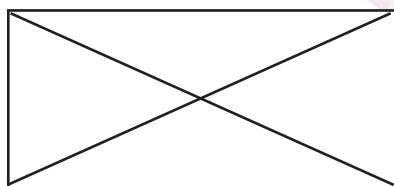
2.



5.



3.



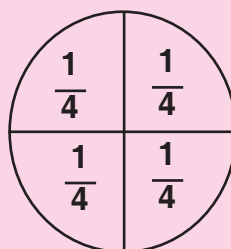
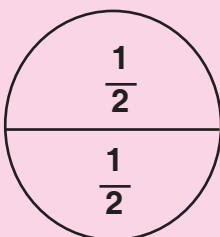
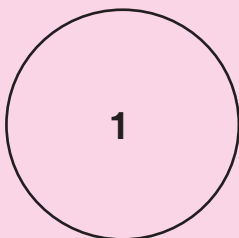
# Exercise 24b

1 2 3 4 5 6 7 8 9



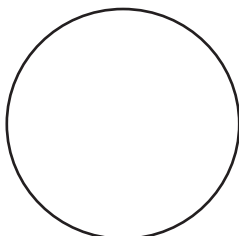
Date: \_\_\_\_\_

**Example:**

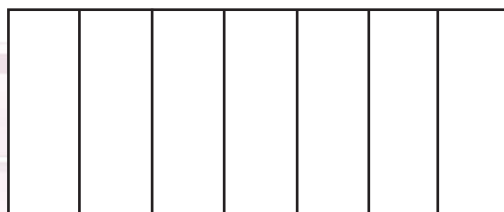


$\frac{1}{5}$
$\frac{1}{5}$
$\frac{1}{5}$
$\frac{1}{5}$
$\frac{1}{5}$

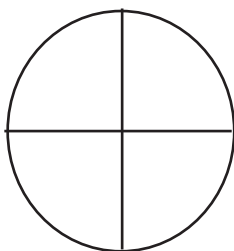
1.



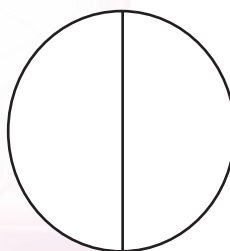
3.



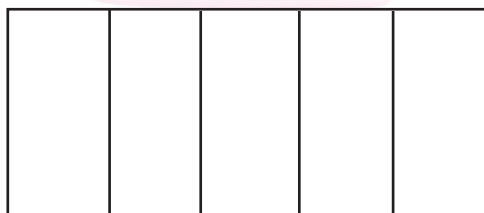
2.



4.



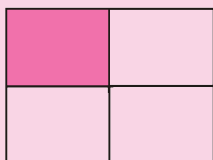
5.



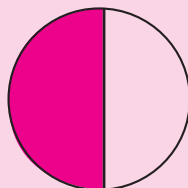
NEW EDITION

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

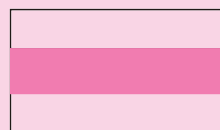
## C. Example:



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



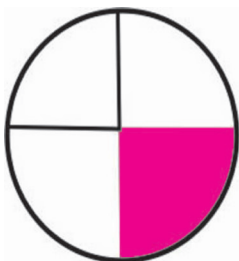
$$\frac{1}{2}$$



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

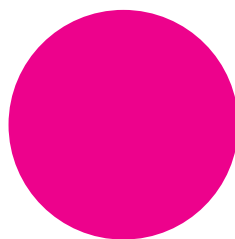
**Name the shaded part.**

1.



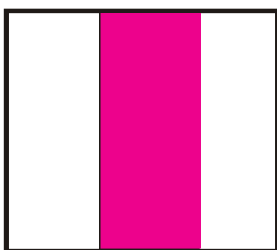
\_\_\_\_\_

3.



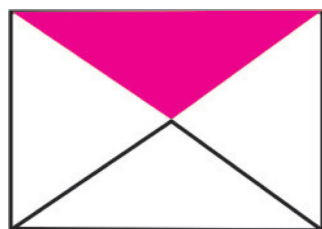
\_\_\_\_\_

2.



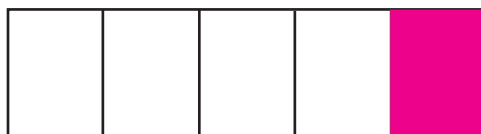
\_\_\_\_\_

4.



\_\_\_\_\_

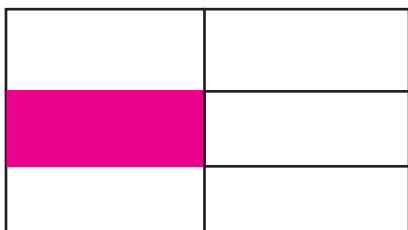
5.



\_\_\_\_\_

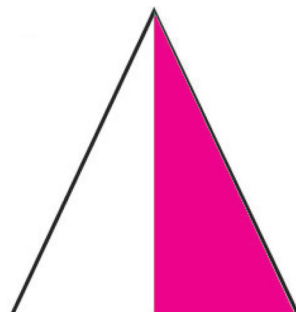


6.



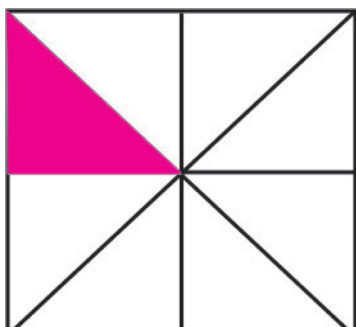
\_\_\_\_\_

8.



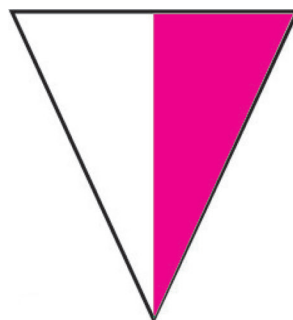
\_\_\_\_\_

7.



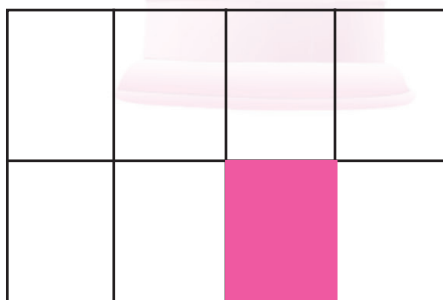
\_\_\_\_\_

9.



\_\_\_\_\_

10.



\_\_\_\_\_





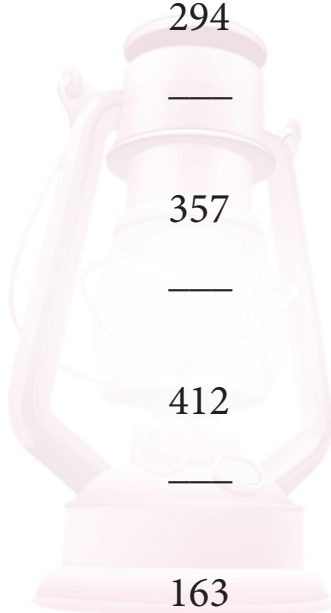
Date: \_\_\_\_\_

**Example:**



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

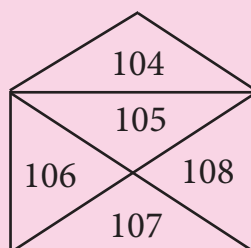
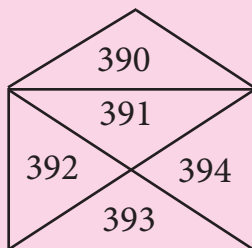
- |           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| <b>1.</b> | 158 | 103 | 133 | 117 | 183 |
|           | —   | —   | —   | —   | —   |
| <b>2.</b> | 256 | 202 | 294 | 286 | 263 |
|           | —   | —   | —   | —   | —   |
| <b>3.</b> | 314 | 337 | 357 | 310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



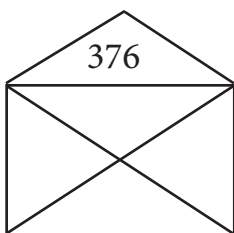


Date: \_\_\_\_\_

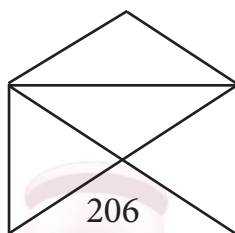
**Example:**



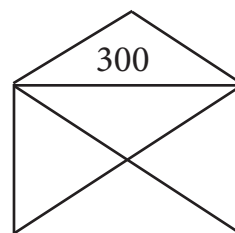
1.



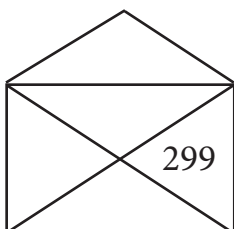
5.



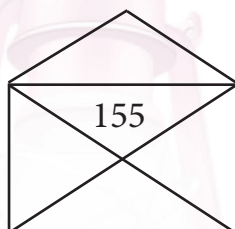
9.



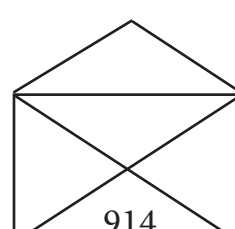
2.



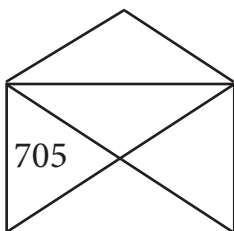
6.



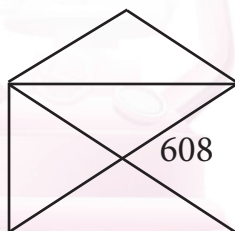
10.



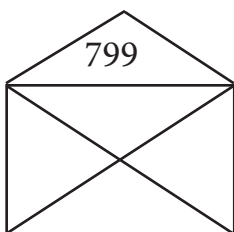
3.



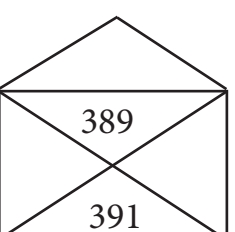
7.



4.



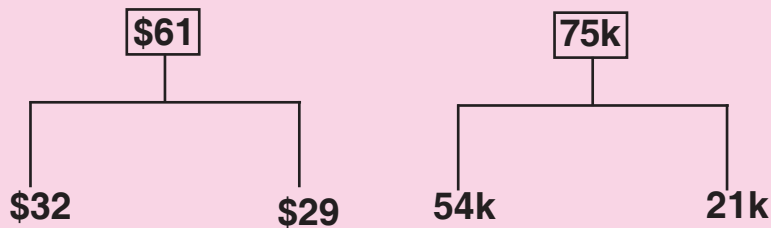
8.



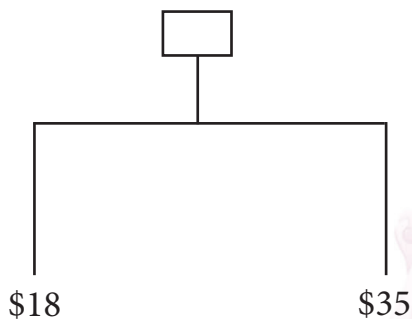


Date:

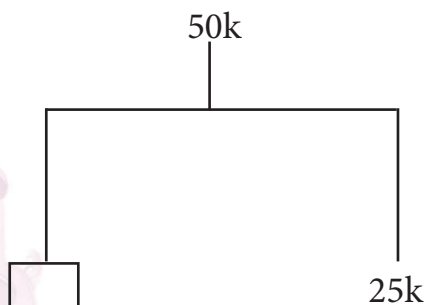
**Example:**



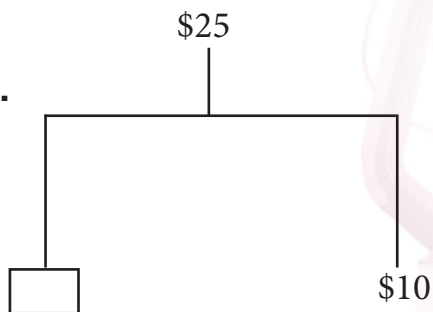
1.



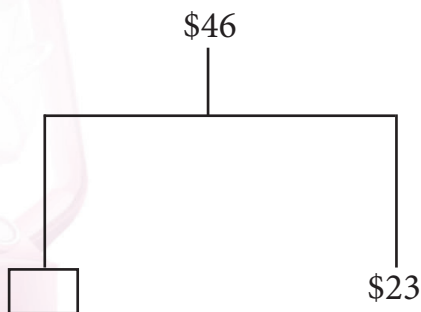
4.



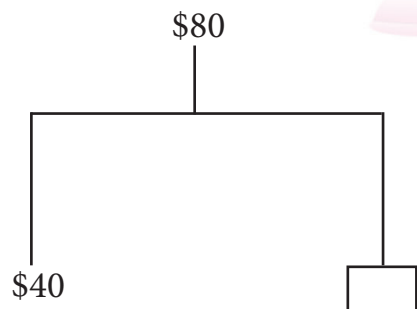
2.



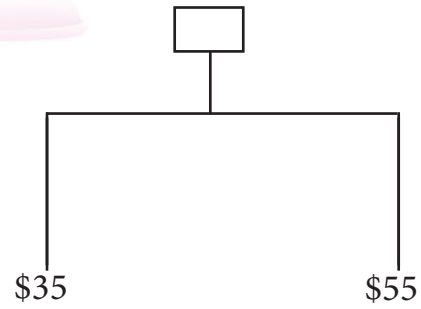
5.



3.

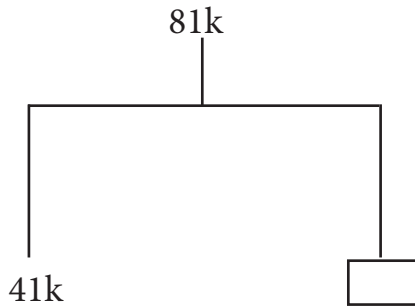


6.

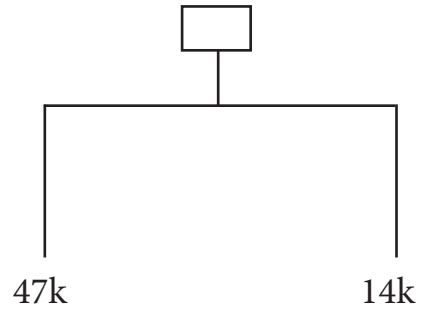




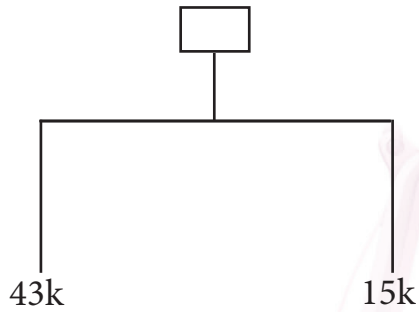
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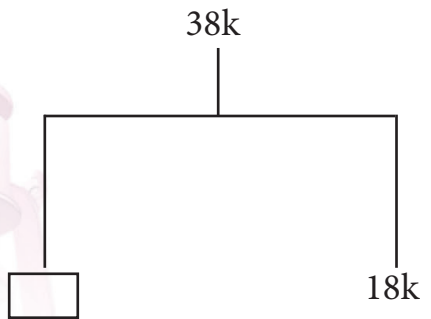
9.



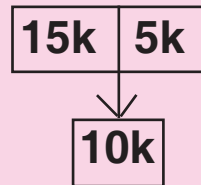
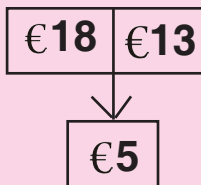
8.



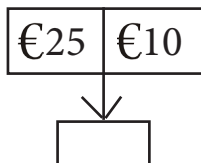
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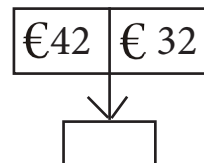
Example:



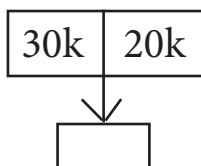
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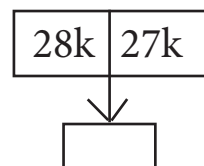
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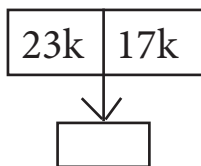
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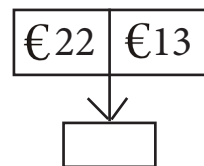
5.



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"/>	





Date: \_\_\_\_\_

**Example:**



$$\textcircled{\text{¢}18} \text{ --- } | \text{ --- } \textcircled{\text{¢}3} \rightarrow \boxed{\text{¢}15}$$

$$\textcircled{15\text{k}} \text{ --- } | \text{ --- } \textcircled{2\text{k}} \rightarrow \boxed{13\text{k}}$$

1.  $\textcircled{\text{¢}27} \text{ --- } | \text{ --- } \textcircled{\text{¢}20} \rightarrow \boxed{\phantom{00}}$

6.  $\textcircled{\text{¢}33} \text{ --- } | \text{ --- } \textcircled{\phantom{00}} \rightarrow \text{¢}12$

2.  $\textcircled{\phantom{00}} \text{ --- } | \text{ --- } \textcircled{\text{¢}12} \rightarrow \boxed{\text{¢}6}$

7.  $\textcircled{80\text{k}} \text{ --- } | \text{ --- } \textcircled{\phantom{00}} \rightarrow \boxed{20\text{k}}$

3.  $\textcircled{45\text{k}} \text{ --- } | \text{ --- } \textcircled{20\text{k}} \rightarrow \boxed{\phantom{00}}$

8.  $\textcircled{\text{¢}40} \text{ --- } | \text{ --- } \textcircled{\text{¢}15} \rightarrow \boxed{\phantom{00}}$

4.  $\textcircled{\phantom{00}} \text{ --- } | \text{ --- } \textcircled{45\text{k}} \rightarrow 10\text{k}$

9.  $\textcircled{39\text{k}} \text{ --- } | \text{ --- } \textcircled{\phantom{00}} \rightarrow \boxed{29\text{k}}$

5.  $\textcircled{50\text{k}} \text{ --- } | \text{ --- } \textcircled{40\text{k}} \rightarrow \boxed{\phantom{00}}$

10.  $\textcircled{\phantom{00}} \text{ --- } | \text{ --- } \textcircled{23\text{k}} \rightarrow \boxed{23\text{k}}$



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

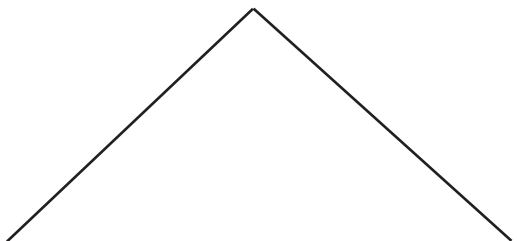




Date: \_\_\_\_\_



**Name these shapes:**



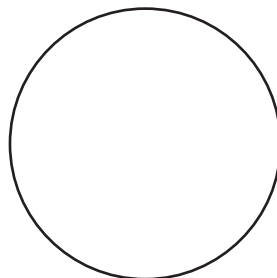
\_\_\_\_\_



\_\_\_\_\_



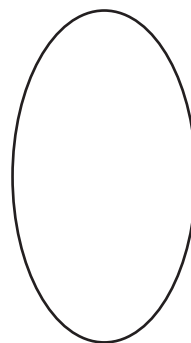
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

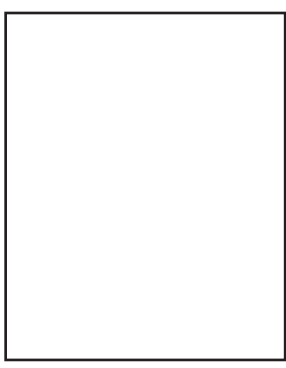


## Do you know?

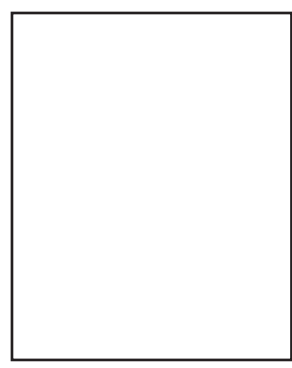
1. How many sides does a triangle have? \_\_\_\_\_ sides.
2. How many sides does a square have? \_\_\_\_\_ sides.
3. How many sides does a rectangle have? \_\_\_\_\_ sides.
4. A circle is \_\_\_\_\_ (thin, curved, short).
5. A square has all the \_\_\_\_\_ sides equal.
6. A rectangle has two \_\_\_\_\_ 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).



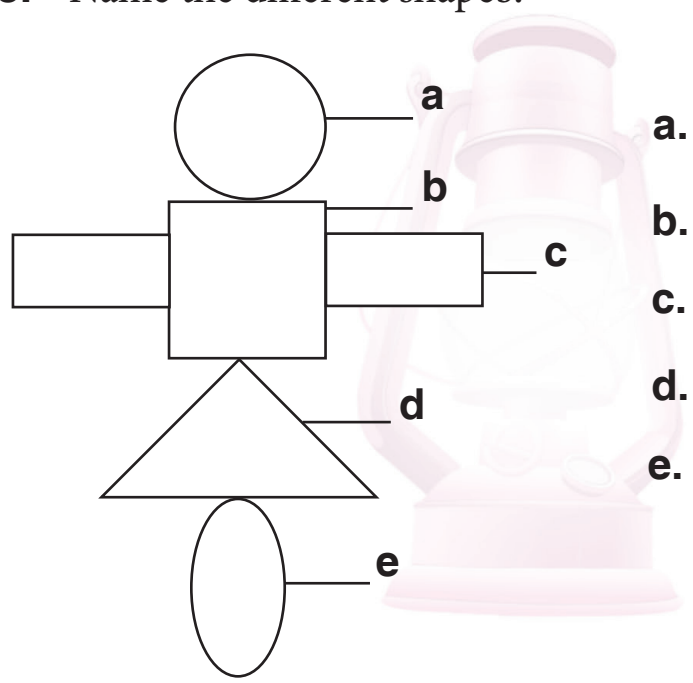
**11.** Draw a head



**12.** Draw a door



**13.** Name the different shapes.



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

**14.** Now I know my shapes; they are:

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







Date: \_\_\_\_\_

## 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				→			<u>13</u>		<u>10</u>		<u>12</u>		<u>14</u>
eight				→			<u>1</u>		<u>7</u>		<u>2</u>		<u>9</u> <u>5</u>

- five → \_\_\_\_\_
- one → \_\_\_\_\_
- ten → \_\_\_\_\_
- seven → \_\_\_\_\_
- two → \_\_\_\_\_
- eight → \_\_\_\_\_
- three → \_\_\_\_\_
- four → \_\_\_\_\_
- six → \_\_\_\_\_
- nine → \_\_\_\_\_





Date: \_\_\_\_\_

## 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
nine			=		<u>3</u>		<u>11</u>		<u>3</u>		<u>7</u>				
seven			=		<u>14</u>		<u>7</u>		<u>2</u>		<u>7</u>		3		

1. twelve → \_\_\_\_\_

2. eight → \_\_\_\_\_

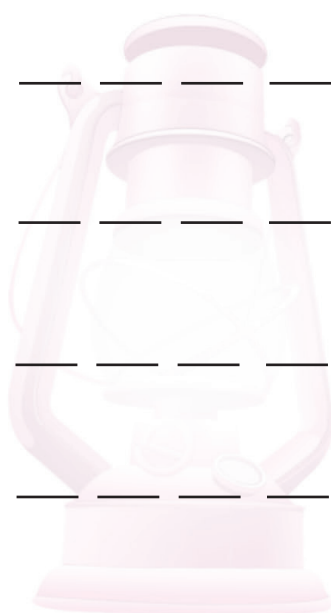
3. fourteen → \_\_\_\_\_

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 →  
\_\_\_\_\_





Date: \_\_\_\_\_

**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 → — — — — —

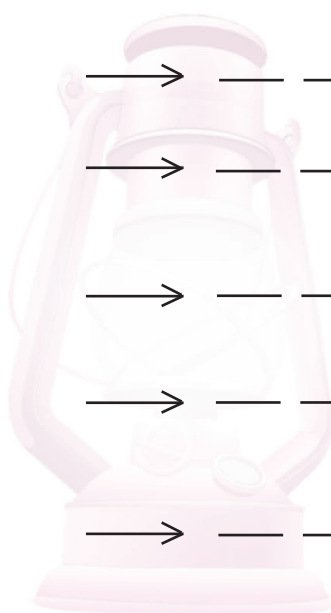
6. 9 4 14 2 2 → — — — — —

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 →

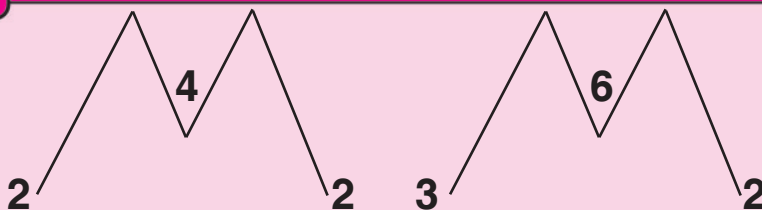
— — — — — — — — — —



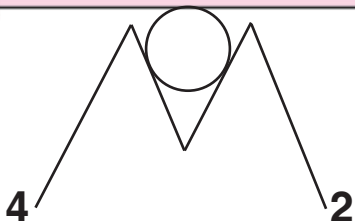


Date: \_\_\_\_\_

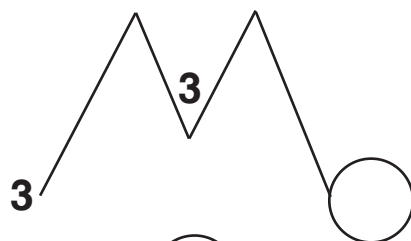
Example:



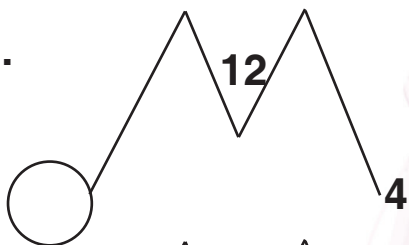
1.



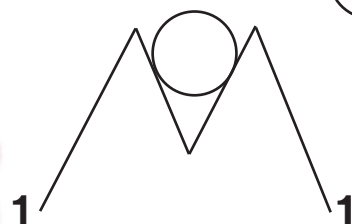
6.



2.



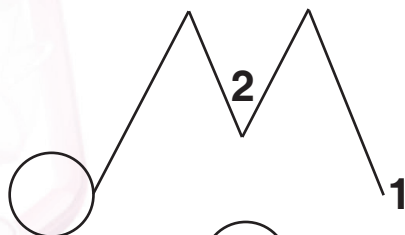
7.



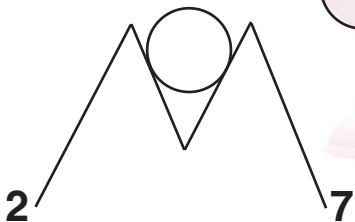
3.



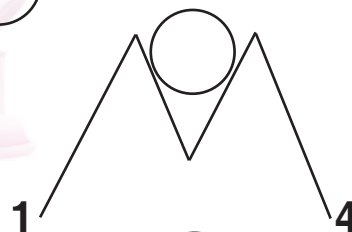
8.



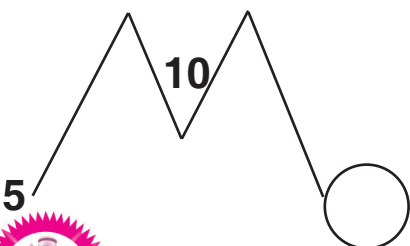
4.



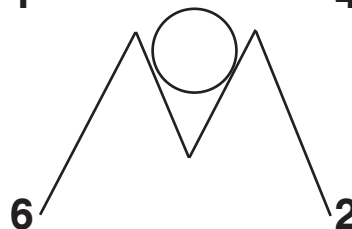
9.



5.



10.



**Write in words or figures:**

**11.** 7 = \_\_\_\_\_

**12.** 14 = \_\_\_\_\_

**13.** twenty = \_\_\_\_\_

**14.** sixteen = \_\_\_\_\_

**15.** 13 = \_\_\_\_\_

**16.** eighteen = \_\_\_\_\_

**17.** 14 = \_\_\_\_\_

**18.** forty = \_\_\_\_\_

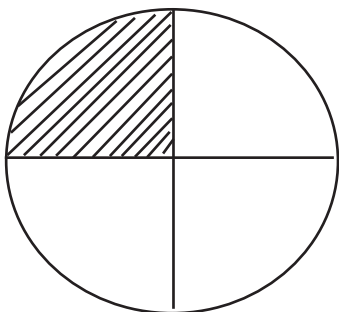
**19.** 34 = \_\_\_\_\_

**20.** ninety-two = \_\_\_\_\_



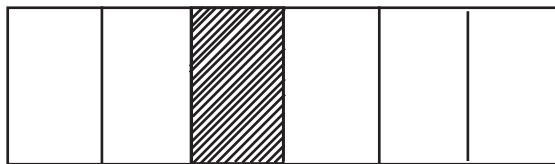
**Name the shaded part:**

21.



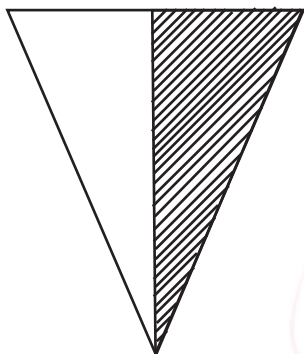
= \_\_\_\_\_

23.



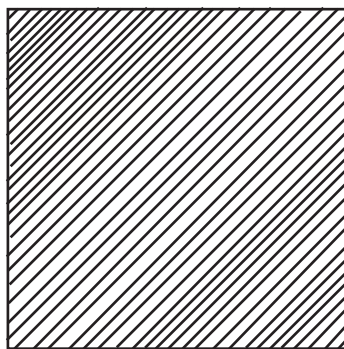
= \_\_\_\_\_

22.



= \_\_\_\_\_

24.



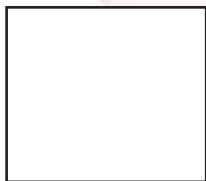
= \_\_\_\_\_

**Draw these shapes.**

25.

square

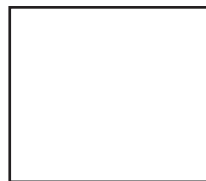
=



27.

circle

=



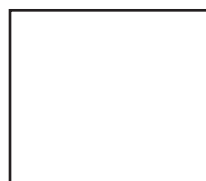
26.

rectangle =



28.

triangle =

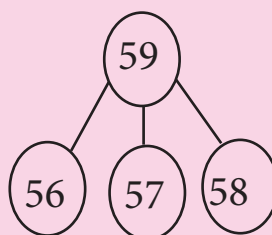
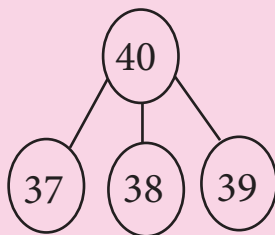




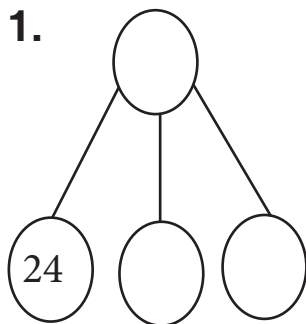


Date: \_\_\_\_\_

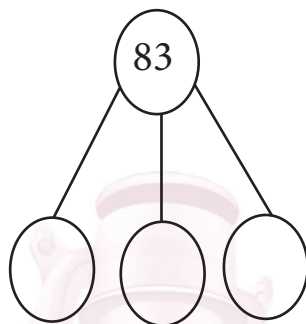
**Example:**



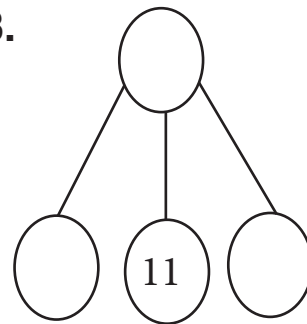
1.



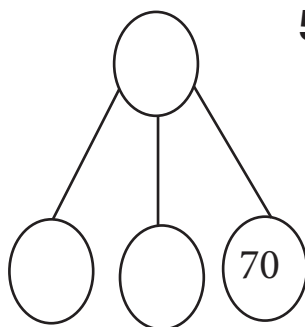
2.



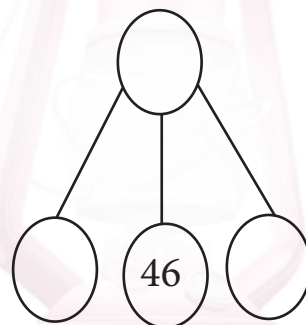
3.



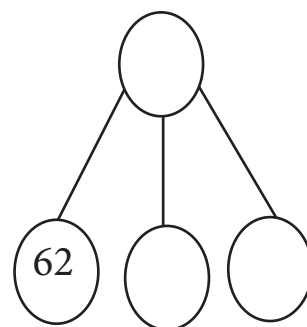
4.



5.



6.



**Complete the following:**

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

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

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

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



NEW EDITION

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



Date: \_\_\_\_\_

**Example:**



$$13 - 3 = 10$$

$$20 - 10 = 10$$

1.  $10 - 3 = \square$

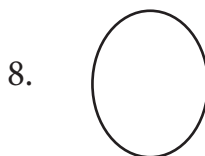
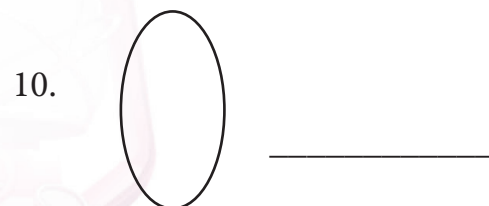
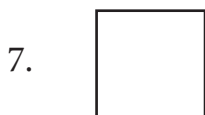
4.  $40 - 13 = \square$

2.  $\square - 2 = 5$

5.  $\square - 10 = 40$

3.  $19 - \square = 16$

**Name these shapes:**



**Write in Words:**

11.  $15 =$  \_\_\_\_\_

12.  $21 =$  \_\_\_\_\_

13.  $6 =$  \_\_\_\_\_

14.  $4 =$  \_\_\_\_\_

15.  $50 =$  \_\_\_\_\_





Date: \_\_\_\_\_

**Example:**



**463**

**63**

**263**

**163**

**363**

**263**

**163**

**363**

**63**

**463**

## 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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_




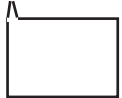



**B. Write in words or figures:**


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 →      = 

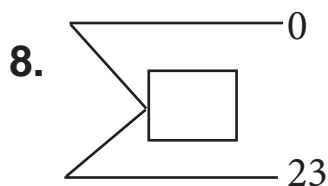
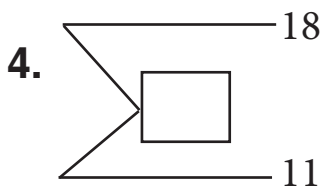
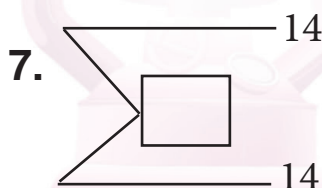
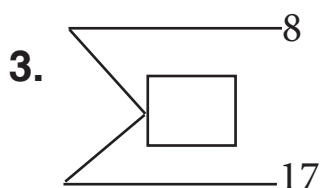
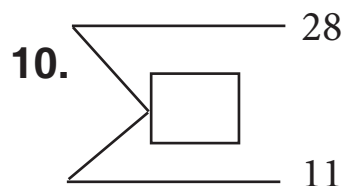
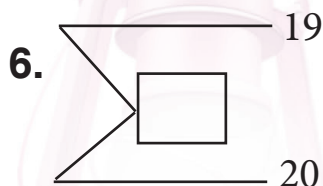
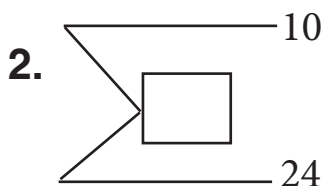
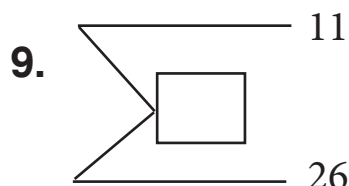
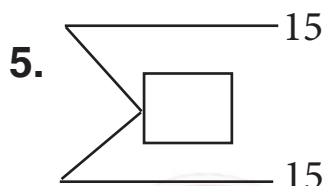
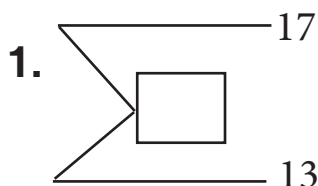
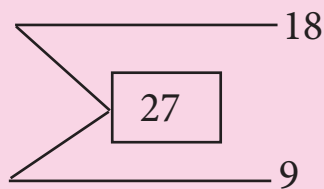
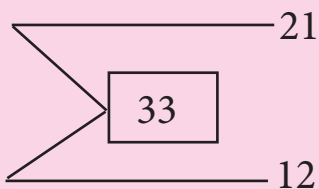
14. rectangle →     = 





Date: \_\_\_\_\_

**Example:**



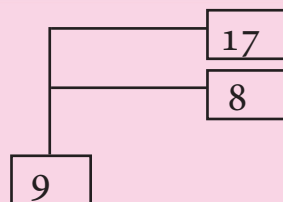
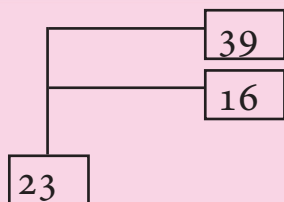
NEW EDITION

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

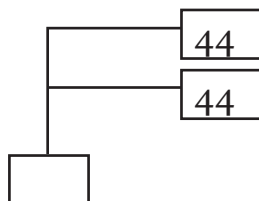


Date: \_\_\_\_\_

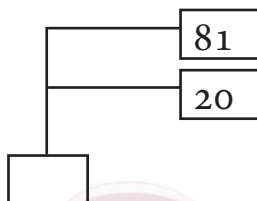
**Example:**



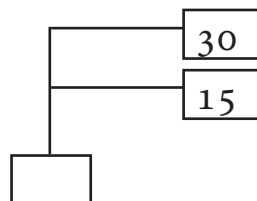
1.



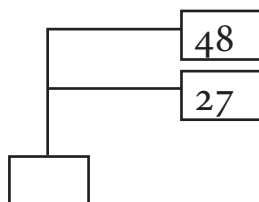
5.



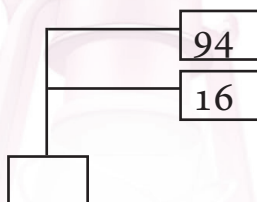
9.



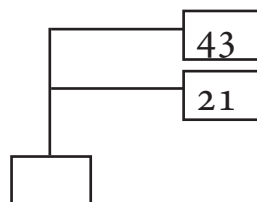
2.



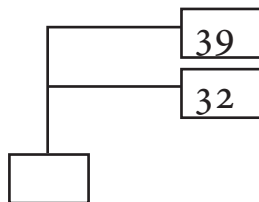
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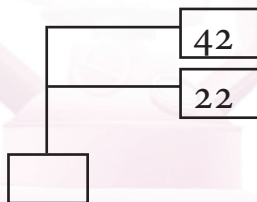
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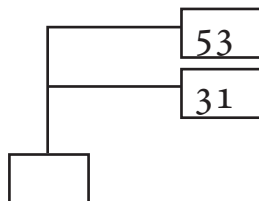
3.



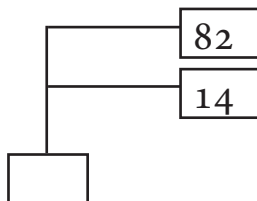
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4.



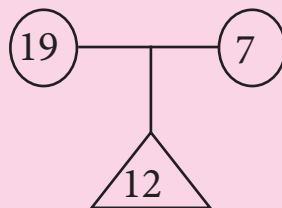
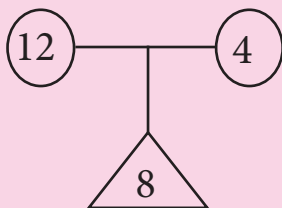
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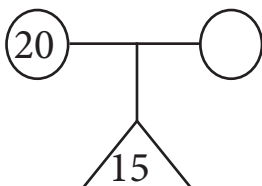


Date: \_\_\_\_\_

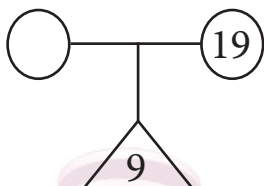
**Example:**



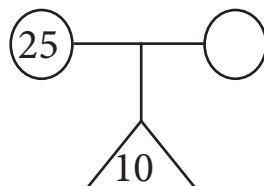
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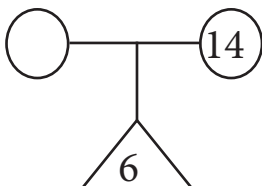
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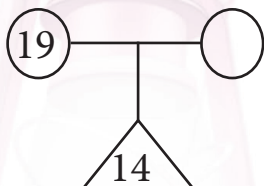
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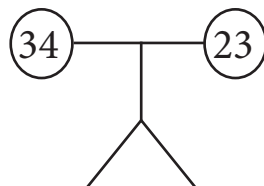
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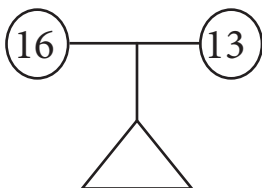
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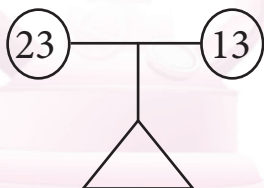
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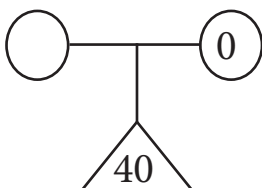
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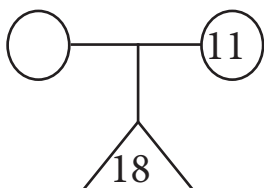
7.



4.



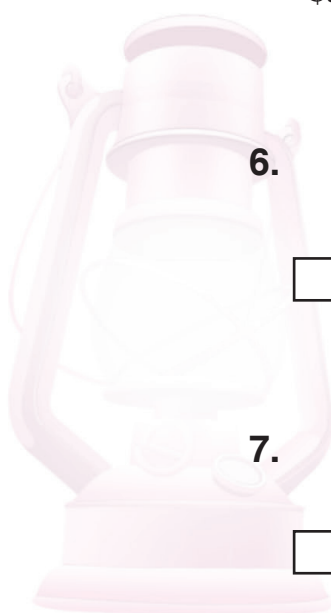
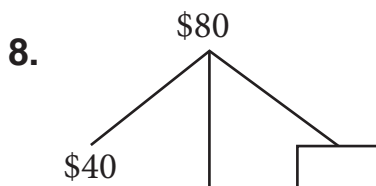
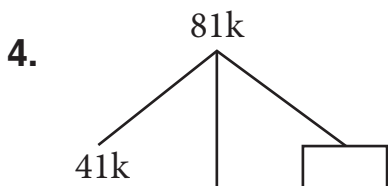
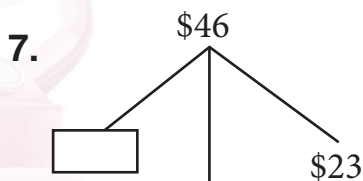
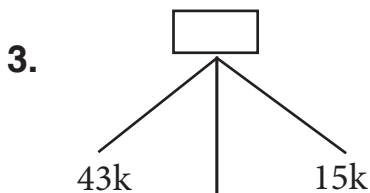
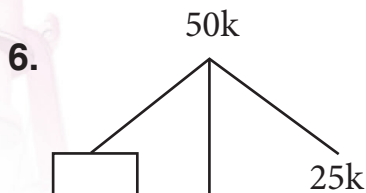
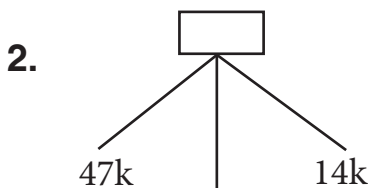
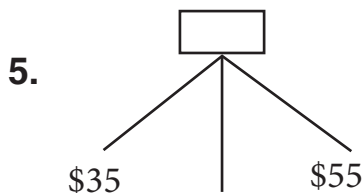
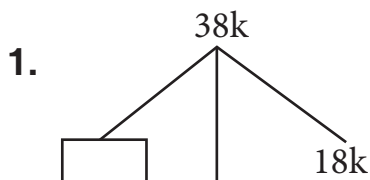
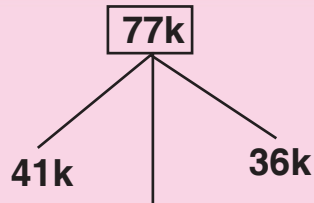
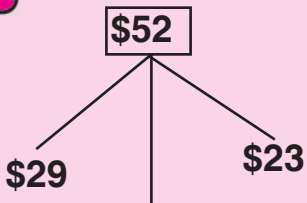
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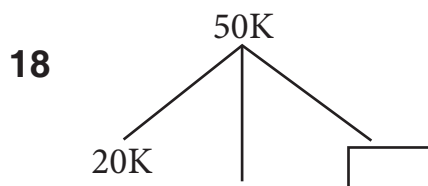
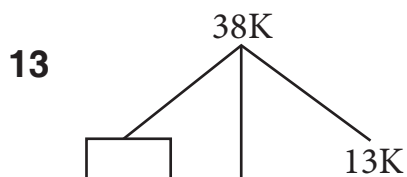
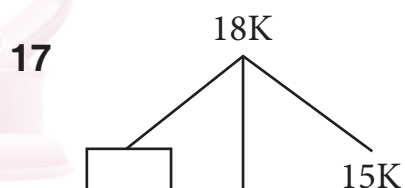
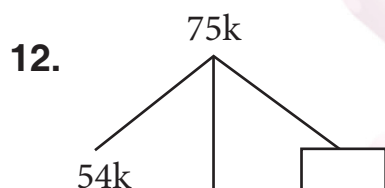
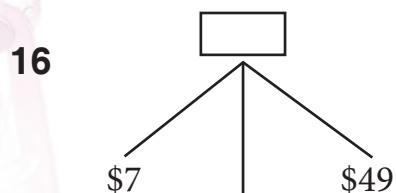
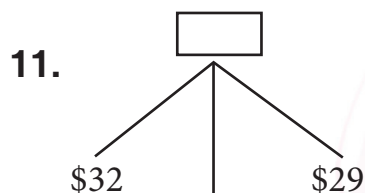
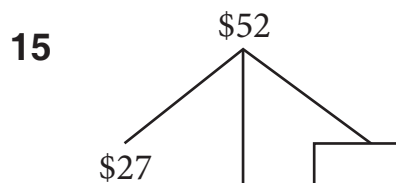
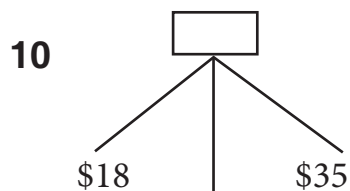
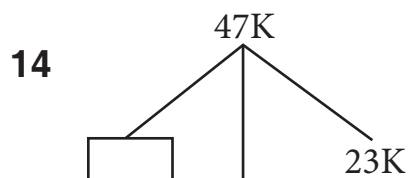
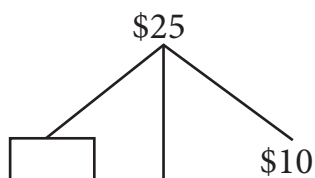


Date: \_\_\_\_\_

**Example:**



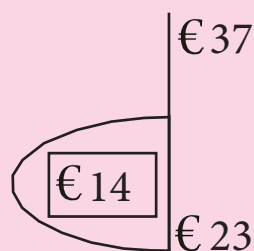
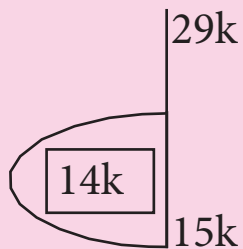




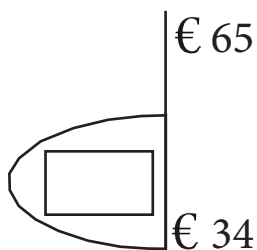


Date: \_\_\_\_\_

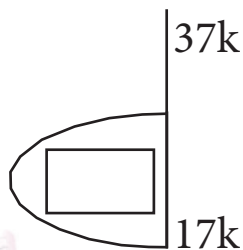
**Example:**



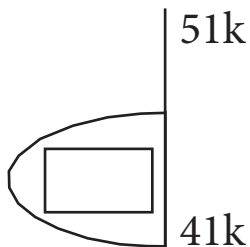
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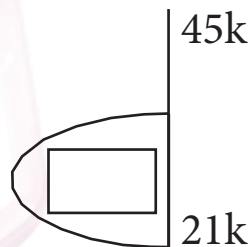
4.



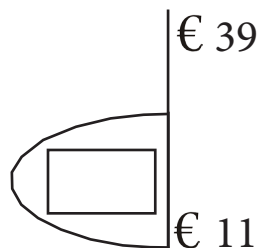
2.



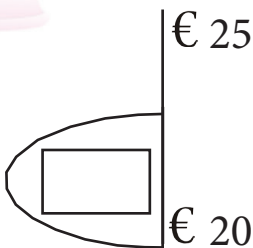
5.

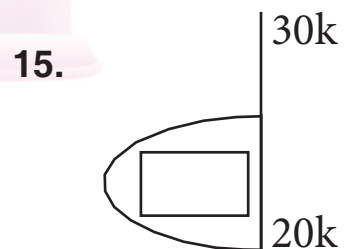
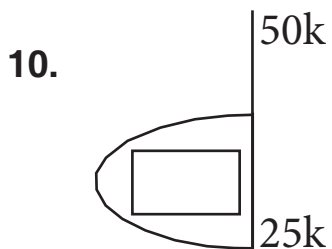
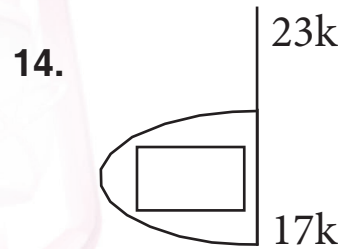
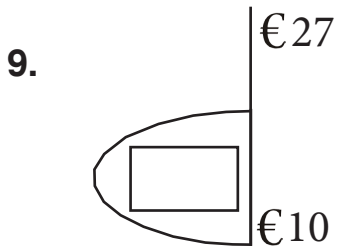
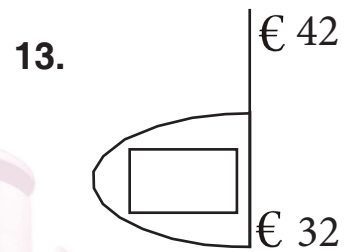
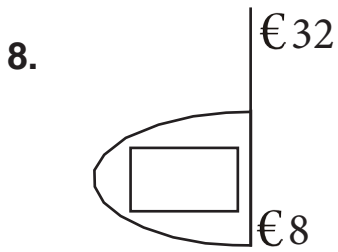
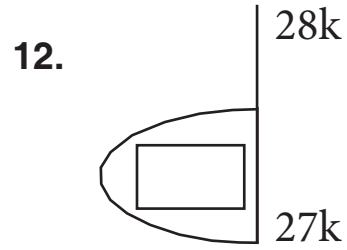
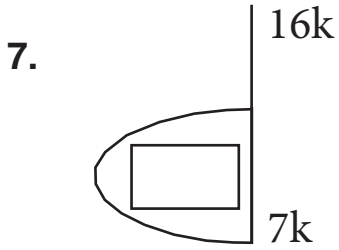


3.



6.

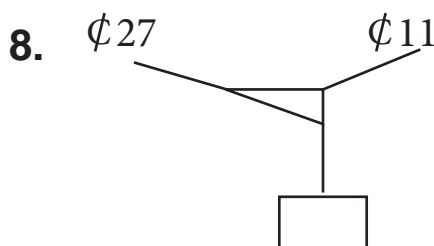
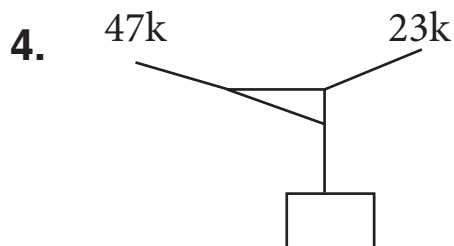
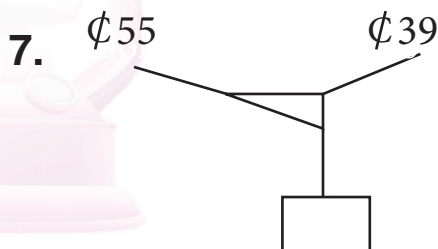
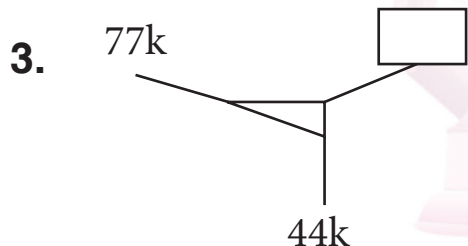
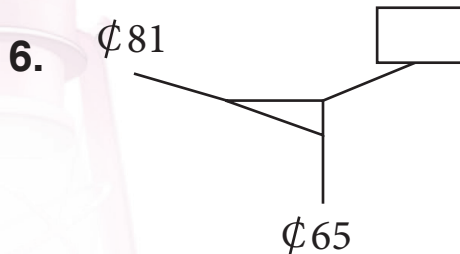
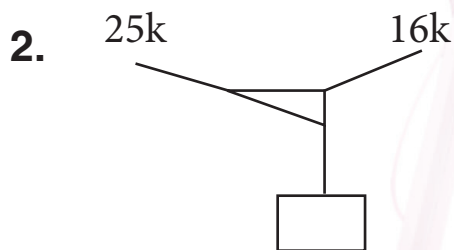
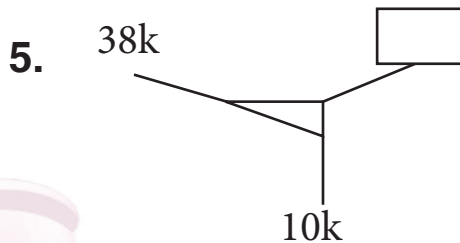
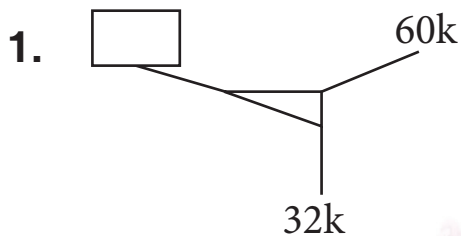
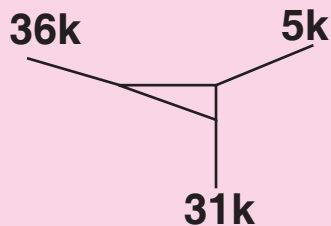
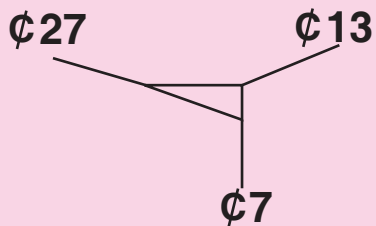


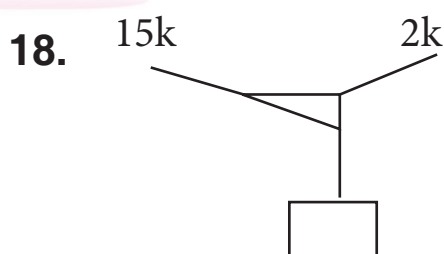
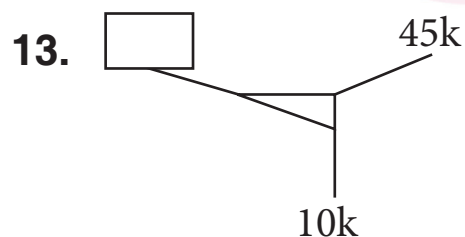
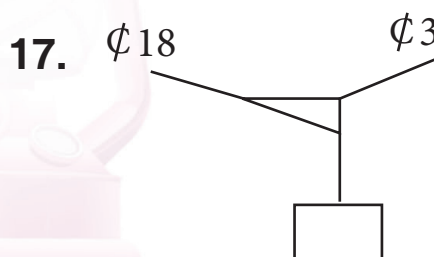
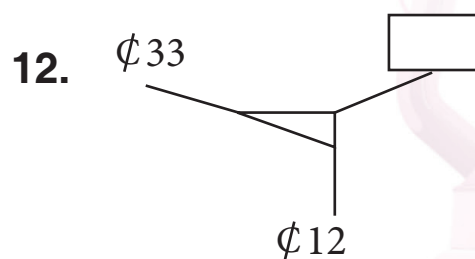
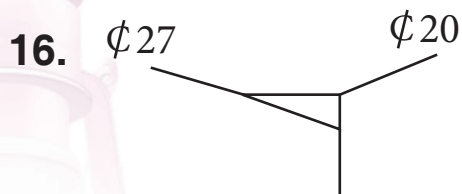
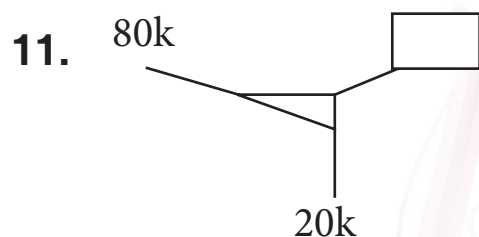
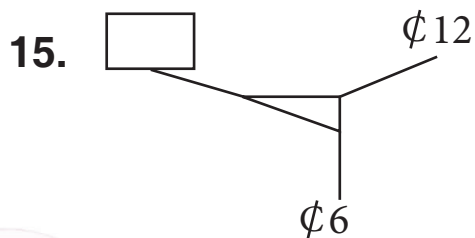
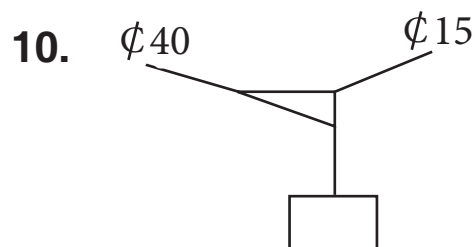
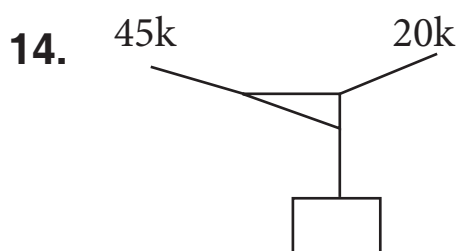
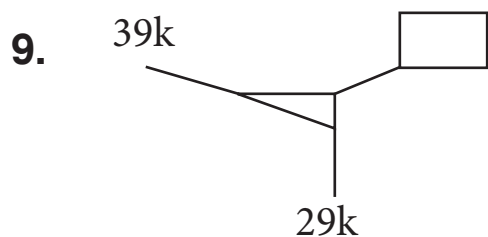




Date: \_\_\_\_\_

**Example:**







Date: \_\_\_\_\_

**Example:**



$$\boxed{45} - \boxed{4} = \triangle 49$$

$$\boxed{31} - \boxed{10} = \triangle 41$$

1.  $\boxed{17} - \boxed{11} = \triangle$

6.  $\boxed{19} - \boxed{20} = \triangle$

2.  $\boxed{24} - \boxed{10} = \triangle$

7.  $\boxed{14} - \boxed{14} = \triangle$

3.  $\boxed{17} - \boxed{8} = \triangle$

8.  $\boxed{23} - \boxed{0} = \triangle$

4.  $\boxed{18} - \boxed{11} = \triangle$

9.  $\boxed{26} - \boxed{11} = \triangle$

5.  $\boxed{15} - \boxed{15} = \triangle$

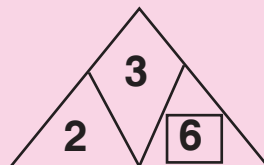
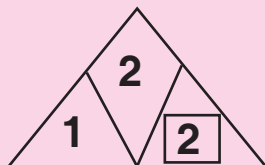
10.  $\boxed{28} - \boxed{11} = \triangle$



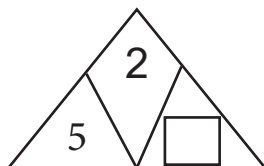


Date: \_\_\_\_\_

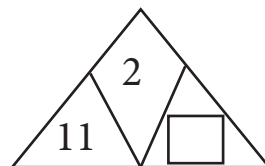
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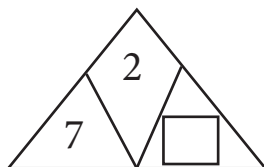
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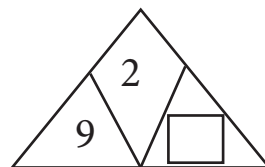
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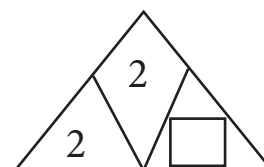
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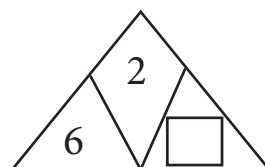
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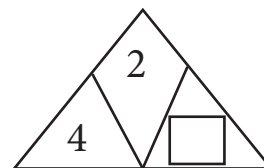
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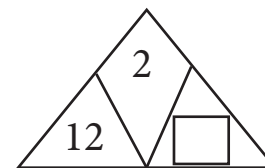
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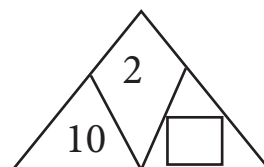
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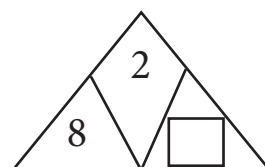
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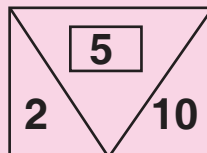
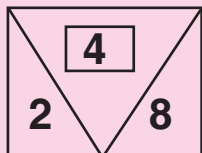
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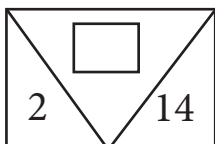


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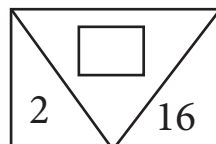
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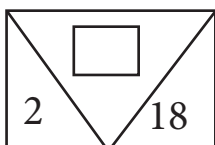
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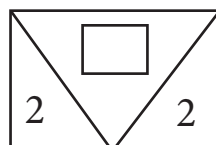
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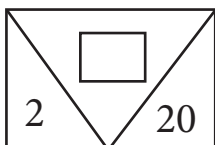
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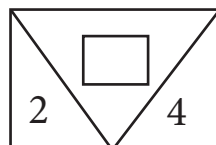
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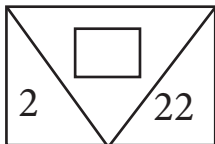
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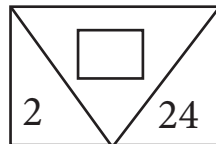
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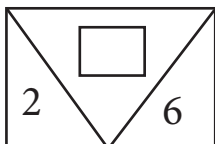
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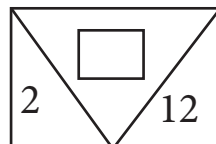
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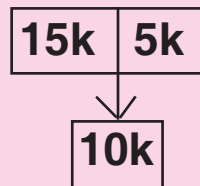
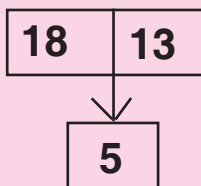




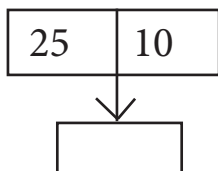


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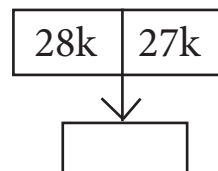
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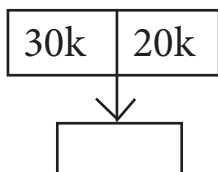
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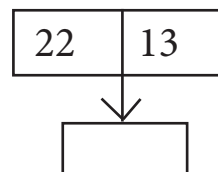
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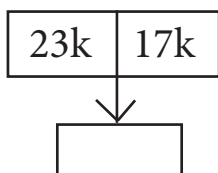
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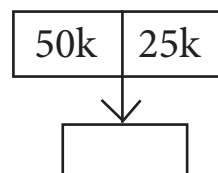
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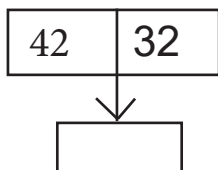
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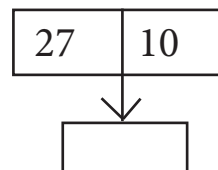
7.



4.



8.



9.

32	8
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↓

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13.

37k	17k
-----	-----

↓

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10.

16k	7k
-----	----

↓

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14.

39	11
----	----

↓

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11.

25	20
----	----

↓

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15.

51k	41k
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↓

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12.

45k	21k
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↓

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16.

65	34
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# STEPS TO QUANTITATIVE REASONING

For Primary Schools

1

Ore Olunloyo



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Plot 2, 7th Street, South Odorkor Esatate,

Sakaman (Opposite Enso Nyame Ye Spot)

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# 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**



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