

**ANSWER/INTERPRETATION**

**TO**

**UNDERSTANDING  
QUANTITATIVE REASONING**

*for*

**ELEMENTARY SCHOOLS**

**1**

BY FELIX BOB ERIAMIATOR  
LINCOLN LUKE OSSAI

**GATEWAY UNIVERSITIES PUBLISHERS**

# UNIT ONE

## EXERCISE 1



**ANSWER/INTERPRETATION**

**TO**

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## EXERCISE 2

1. 

9
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11
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2. 

20
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22
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3. 

2
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4
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4. 

16
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18
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5. 

13
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15
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6. 

31
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33
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7. 

39
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40
----
8. 

71
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72
----
9. 

54
----

57
----
10. 

32
----

33
----

# EXERCISE 3

1.   11.  

2.   12.  

3.  

4.  

5.  

6.  

7.  

8.  

9.  

10.  

## EXERCISE 4

1. 12   13   14   15

2. 24   25   26   27   28

3. 40   41   42   43

4. 49   50   51   52   53

5. 71   72   73   74

6. 36   37   38   39

7. 7   8   9   10   11

8. 82   83   84   85

9. 68   69   70   71   72

10. 92   93   94   95

## EXERCISE 5

1. 96   97   98   99   100
2. 5   6   7   8   9
3. 72   73   74   75   76
4. 25   26   27   28   29
5. 80   81   82   83   84
6. 65   66   67   68   69
7. 49   50   51   52   53
8. 30   31   32   33   34
9. 46   47   48   49   50
10. 0   1   2   3   4

## EXERCISE 6

1. 80 81 82 83 84
2. 41 42 43 44 45
3. 19 20 21 22 23
4. 104 105 106 107 108
5. 128 129 130 131 132
6. 65 66 67 68 69
7. 8 9 10 11 12
8. 56 57 58 59 60
9. 31 32 33 34 35
10. 200 201 202 203 204



## EXERCISE 7

1. (20)
2. (32)
3. (72)
4. (12)
5. (16)
6. (50)
7. (21)
8. (102)
9. (55)
10. (10)

EXERCISE 8

- |     |     |     |     |
|-----|-----|-----|-----|
| 1.  | 12  | 11. | 43  |
| 2.  | 61  | 12. | 120 |
| 3.  | 14  | 13. | 130 |
| 4.  | 107 | 14. | 185 |
| 5.  | 77  | 15. | 99  |
| 6.  | 26  | 16. | 21  |
| 7.  | 98  | 17. | 72  |
| 8.  | 90  | 18. | 49  |
| 9.  | 9   | 19. | 70  |
| 10. | 92  | 20. | 9   |

# EXERCISE 9

1. 
$$\begin{array}{r} \boxed{3} \\ \boxed{2} \end{array}$$

2. 
$$\begin{array}{r} \boxed{8} \\ \boxed{7} \end{array}$$

3. 
$$\begin{array}{r} \boxed{16} \\ \boxed{15} \end{array}$$

4. 
$$\begin{array}{r} \boxed{45} \\ \boxed{44} \end{array}$$

5. 
$$\begin{array}{r} \boxed{32} \\ \boxed{31} \end{array}$$

6. 
$$\begin{array}{r} \boxed{20} \\ \boxed{19} \end{array}$$

7. 
$$\begin{array}{r} \boxed{33} \\ \boxed{32} \end{array}$$

8. 
$$\begin{array}{r} \boxed{28} \\ \boxed{26} \end{array}$$

9. 
$$\begin{array}{r} \boxed{33} \\ \boxed{32} \end{array}$$

10. 
$$\begin{array}{r} \boxed{67} \\ \boxed{66} \end{array}$$

# EXERCISE 10

1. 
$$\begin{array}{r} \phantom{0}2 \\ 3 \end{array}$$

2. 
$$\begin{array}{r} \phantom{0}8 \\ 9 \end{array}$$

3. 
$$\begin{array}{r} \phantom{0}30 \\ 31 \end{array}$$

4. 
$$\begin{array}{r} \phantom{0}93 \\ 94 \end{array}$$

5. 
$$\begin{array}{r} \phantom{0}79 \\ 80 \end{array}$$

6. 
$$\begin{array}{r} \phantom{0}49 \\ 50 \end{array}$$

7. 
$$\begin{array}{r} \phantom{0}25 \\ 26 \end{array}$$

8. 
$$\begin{array}{r} \phantom{0}84 \\ 85 \end{array}$$

9. 
$$\begin{array}{r} \phantom{0}43 \\ 45 \end{array}$$

10. 
$$\begin{array}{r} \phantom{0}66 \\ 67 \end{array}$$

# UNIT TWO

## EXERCISE 11

1. 

153	154	155		157
-----	-----	-----	--	-----

6. 

	197	198	199	200
--	-----	-----	-----	-----

2. 

	121	122	123	124
--	-----	-----	-----	-----

7. 

131		133	134	135
-----	--	-----	-----	-----

3. 

138	139	140	141	
-----	-----	-----	-----	--

8. 

171	172		174	175
-----	-----	--	-----	-----

4. 

115		117	118	119
-----	--	-----	-----	-----

9. 

164	165	166	167	
-----	-----	-----	-----	--

5. 

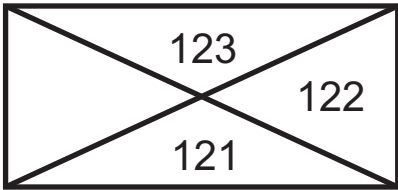
131	132	133		135
-----	-----	-----	--	-----

10. 

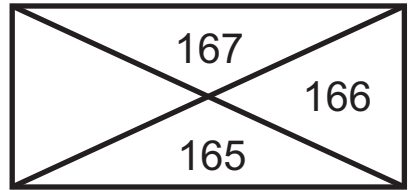
	182	183	184	185
--	-----	-----	-----	-----

# EXERCISE 12

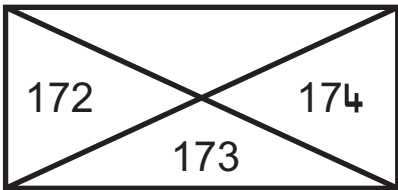
1.



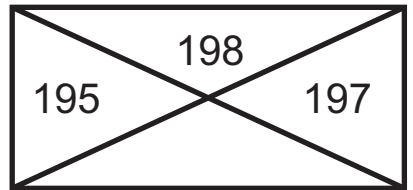
6.



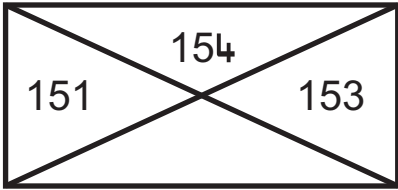
2.



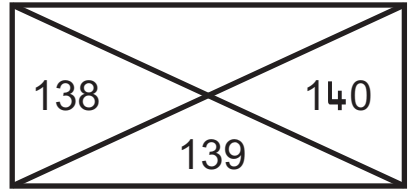
7.



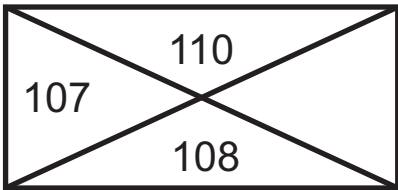
3.



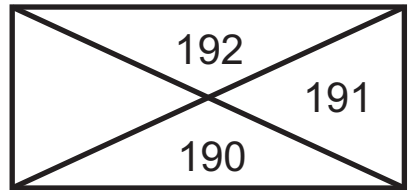
8.



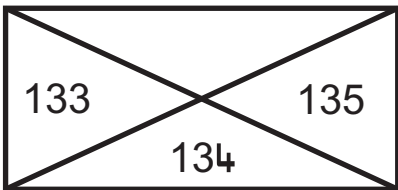
4.



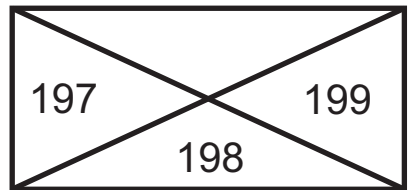
9.



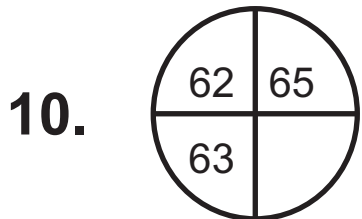
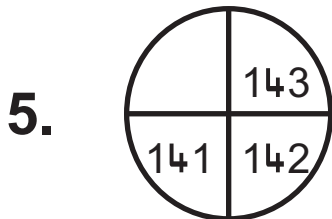
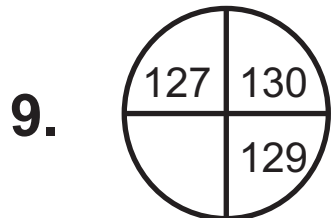
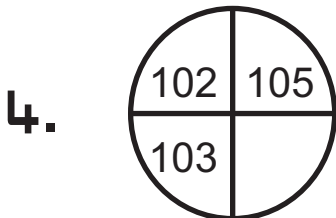
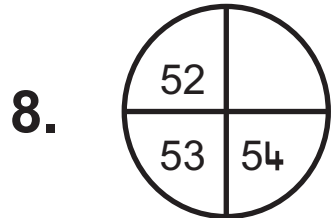
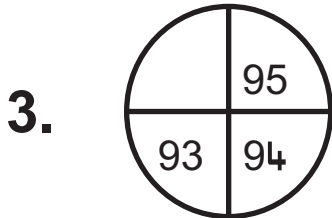
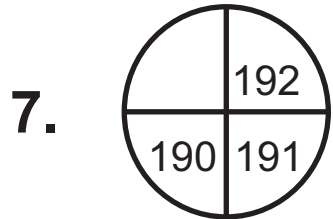
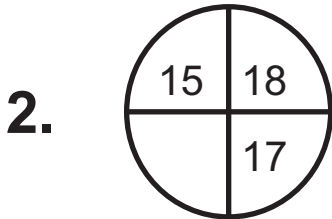
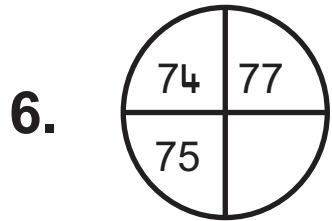
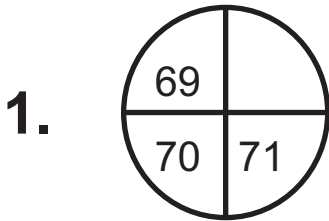
5.



10.



# EXERCISE 13



# EXERCISE 4

1.



9.



2.



10.



3.



4.



5.



6.



7.



8.







EXERCISE 15





# UNIT THREE

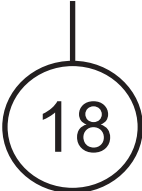
## EXERCISE 16


1. 

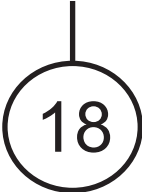
6. 


2. 

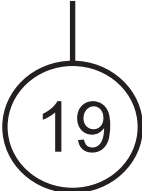
7. 

3. 

8. 

4. 

9. 

5. 

10. 

EXERCISE 17

1.

14

9.

15

2.

22

10.

15

3.

15

11.

9

4.

25

12.

15

5.

12

13.

19

6.

20

14.

19

7.

31

15.

16

8.

22

16.

10

# UNIT FOUR

## EXERCISE 18

1. → (4)

11. → (9)

2. → (4)

12. → (24)

3. → (8)

4. → (0)

5. → (4)

6. → (31)

7. → (10)

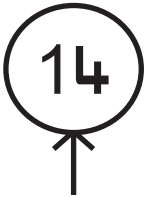
8. → (13)

9. → (12)

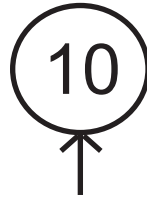
10. → (1)

# EXERCISE 19

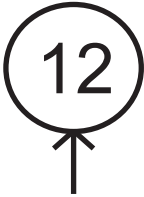
1.



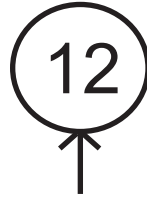
6.



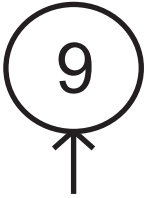
2.



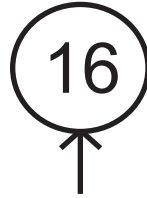
7.



3.



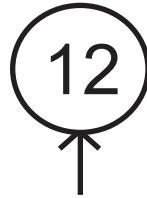
8.



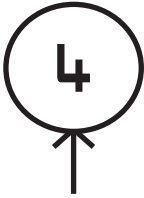
4.



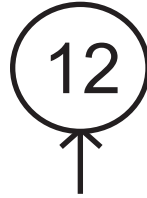
9.



5.



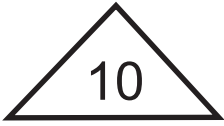
10.



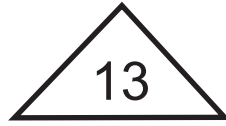
# UNIT FIVE

## EXERCISE 20

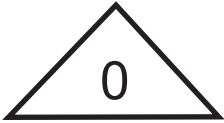
1.



9.



2.



10.



3.



11.



4.



12.



5.



6.



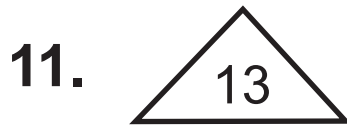
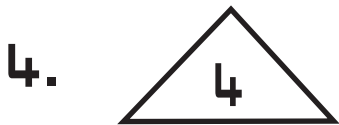
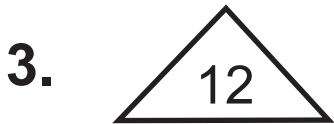
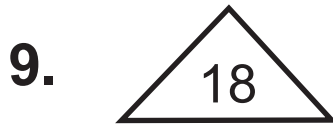
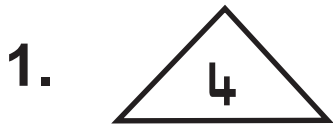
7.



8.



# EXERCISE 21



EXERCISE 22

1. 18

2. 3

3. 14

4. 11

5. 16

6. 33

7. 24

8. 10

9. 5

10. 4

11. 2

12. 23

13. 11

14. 18



# EXERCISE 23

1.  $\boxed{4}$   
|

8.  $\boxed{6}$   
|

2. —  $\boxed{4}$

9. —  $\boxed{0}$

3. —  $\boxed{4}$

10.  $\boxed{15}$  —

4.  $\boxed{7}$  —

5.  $\boxed{13}$  —

6. —  $\boxed{5}$

7.  $\boxed{16}$  —

# EXERCISE 24

1.  $\begin{array}{c} | \\ \square \\ 11 \end{array}$

8.  $\begin{array}{c} \square \\ - \\ 8 \end{array}$

2.  $\begin{array}{c} - \\ \square \\ 8 \end{array}$

9.  $\begin{array}{c} - \\ \square \\ 9 \end{array}$

3.  $\begin{array}{c} \square \\ - \\ 6 \end{array}$

10.  $\begin{array}{c} | \\ \square \\ 28 \end{array}$

4.  $\begin{array}{c} | \\ \square \\ 19 \end{array}$

5.  $\begin{array}{c} - \\ \square \\ 14 \end{array}$

6.  $\begin{array}{c} \square \\ - \\ 11 \end{array}$

7.  $\begin{array}{c} | \\ \square \\ 31 \end{array}$

# UNIT SIX

## EXERCISE 25

1. 

219	220			223
-----	-----	--	--	-----

6. 

		285	286	287
--	--	-----	-----	-----

2. 

	211	212	213	
--	-----	-----	-----	--

7. 

291		293	294	
-----	--	-----	-----	--

3. 

	247	248		250
--	-----	-----	--	-----

8. 

295	296	297		299
-----	-----	-----	--	-----

4. 

270		272		274
-----	--	-----	--	-----

9. 

	237	238	239	240
--	-----	-----	-----	-----

5. 

	219	220	221	
--	-----	-----	-----	--

10. 

251	252	253		255
-----	-----	-----	--	-----

EXERCISE 26

1. 

44
----

45
----

46
----
2. 

90
----

91
----

92
----
3. 

70
----

71
----

72
----
4. 

99
----

100
-----

103
-----
5. 

96
----

97
----

98
----
6. 

121
-----

122
-----

123
-----
7. 

142
-----

145
-----

146
-----
8. 

185
-----

186
-----

187
-----

## EXERCISE 27

1. 85, 86, \_\_\_\_\_, 88, 89
2. \_\_\_\_\_, 102, 103, 104, 105
3. 142, 143, \_\_\_\_\_, 145, 146
4. 175, \_\_\_\_\_, 177, 178, 179
5. \_\_\_\_\_, 201, 202, 203, 204
6. 209, 210, \_\_\_\_\_, 212, 213
7. \_\_\_\_\_, \_\_\_\_\_, 236, 237, 238
8. \_\_\_\_\_, 65, 66, 67, 68
9. 279, 280, \_\_\_\_\_, 282, 283
10. 191, 192, \_\_\_\_\_, 194, 195

## EXERCISE 28

1. 24    34    54    64
2. 20    30    40    50
3. 26    56    66    76
4. 81    91    101    201
5. 124    134    144    154
6. 220    230    240    250
7. 39    49    59    69
8. 150    160    170    180
9. 63    73    83    93
10. 10    20    30    40

## EXERCISE 29

1. (9)
2. (35)
3. (45)
4. (109)
5. (69)
6. (60)
7. (190)
8. (231)
9. (67)
10. (95)

## EXERCISE 30

1.  $\underline{18}$      $\underline{20}$

2.  $\underline{40}$      $\underline{50}$

3.  $\underline{53}$      $\underline{63}$

4.  $\underline{94}$      $\underline{95}$

5.  $\underline{8}$      $\underline{10}$

6.  $\underline{104}$      $\underline{105}$

7.  $\underline{12}$      $\underline{15}$

8.  $\underline{140}$      $\underline{150}$

9.  $\underline{31}$      $\underline{32}$

10.  $\underline{251}$      $\underline{261}$



# UNIT SEVEN

## EXERCISE 31

1.



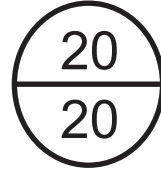
9.



2.



10.



3.



4.



5.



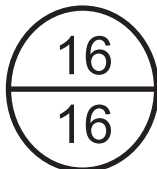
6.



7.



8.



# EXERCISE 32

1. 

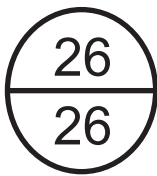
9. 

2. 

10. 

3. 

4. 

5. 

6. 

7. 

8. 

EXERCISE 33

1.

9.

2.

10.

3.

4.

5.

6.

7.

8.

## EXERCISE 34

1.

9.

2.

10.

3.

4.

5.

6.

7.

8.


EXERCISE 35

1. 


9. 

2. 

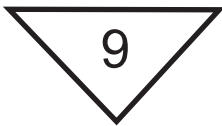
10. 

3. 

4. 

5. 

6. 

7. 

8. 

EXERCISE 36



EXERCISE 37

1.  6

9.  4

2.  2

10.  9

3.  2

4.  3

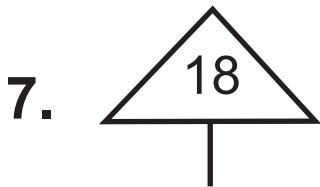
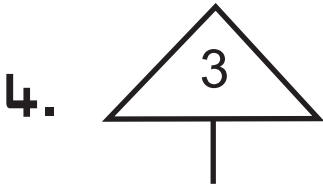
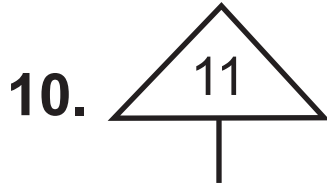
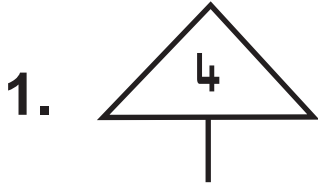
5.  5

6.  4

7.  8

8.  16

# EXERCISE 38





# UNIT EIGHT

## EXERCISE 40

1.

10k

9.

13k

2.

9k

10.

10k

3.

9k

11.

16k

4.

17k

12.

14k

5.

6k

13.

15k

6.

10k

14.

27k

7.

8k

8.

21k

## EXERCISE 4 1

1.

9.

2.

10.

3.

11.

4.

12.

5.

13.

6.

14.

7.

8.

## EXERCISE 42

1.

9.

2.

10.

3.

11.

4.

12.

5.

13.

6.

14.

7.

8.

## EXERCISE 43

1. 4k

2. 4k

3. 12k

4. 9k

5. 15k

6. 18k

7. 10k

8. 10k

9. 20k

10. 8k

11. 4k

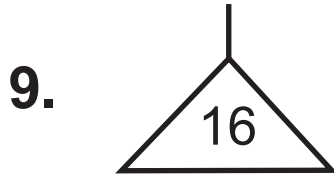
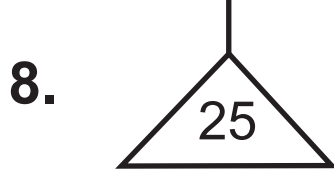
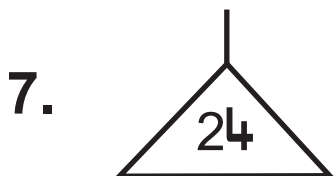
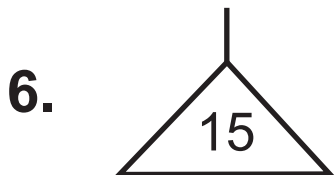
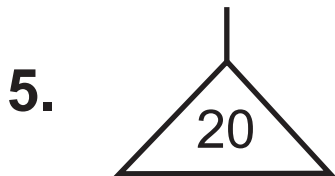
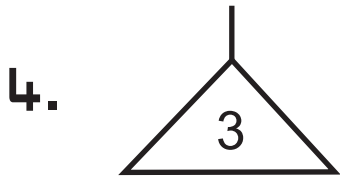
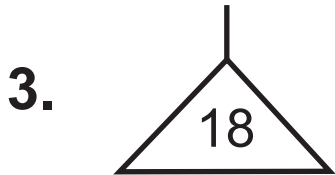
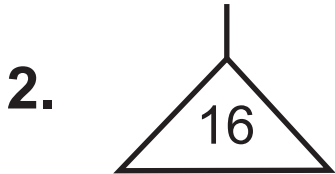
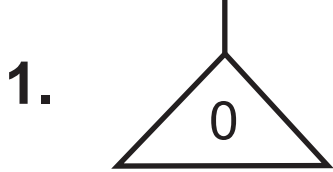
12. 16k

13. 12k

14. 12k

# UNIT NINE

## EXERCISE 44



## EXERCISE 45

1. (20)

9. (12)

2. (3)

10. (21)

3. (8)

4. (15)

5. (15)

6. (10)

7. (9)

8. (14)

## EXERCISE 46

1.  $\boxed{6}$

9.  $\boxed{56}$

2.  $\boxed{9}$

10.  $\boxed{42}$

3.  $\boxed{15}$

4.  $\boxed{16}$

5.  $\boxed{20}$

6.  $\boxed{30}$

7.  $\boxed{12}$

8.  $\boxed{28}$

## EXERCISE 47

1. (21)
2. (12)
3. (36)
4. (24)
5. (45)
6. (27)
7. (9)
8. (36)
9. (40)
10. (35)



# UNIT TEN

## EXERCISE 48

1. Square

2. Circle

3. Triangle

4. Rectangle

5. Cone

6. Cube

7. Cylinder

8. Pyramid

# UNIT ELEVEN

## EXERCISE 50

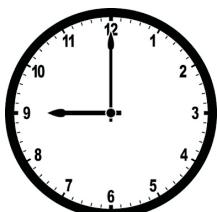
1.



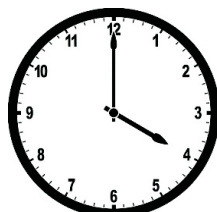
6.



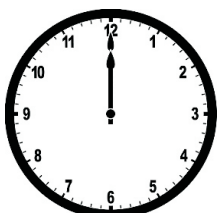
2.



7.



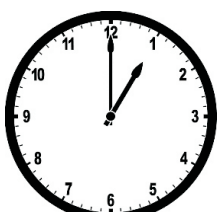
3.



8.



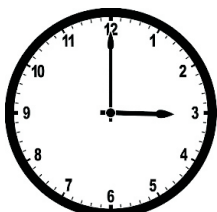
4.



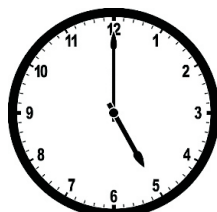
9.



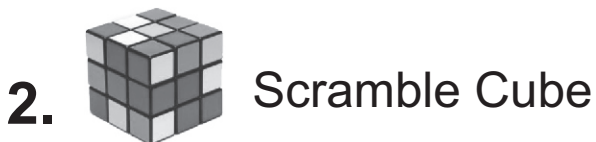
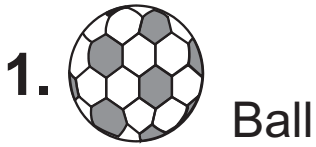
5.



10.



## EXERCISE 49



# UNIT TWELVE

## EXERCISE 51

1.

$$1$$

9.

$$\frac{3}{8}$$

2.

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

10.

$$\frac{4}{8}$$

3.

$$\frac{2}{4}$$

4.

$$\frac{4}{6}$$

5.

$$\frac{3}{4}$$

6.

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

7.

$$\frac{3}{4}$$

8.

$$\frac{6}{12}$$

# EXERCISE 52

1.  $\frac{2}{4}$

7.  $\frac{3}{6}$

2.  $\frac{2}{6}$

8.  $\frac{5}{12}$

3.  $\frac{3}{4}$

9.  $\frac{1}{3}$

4.  $\frac{3}{8}$

10.  $\frac{3}{4}$

5.  $\frac{1}{4}$

11.  $\frac{1}{4}$

6.  $\frac{2}{6}$

12.  $\frac{2}{6}$

# UNIT THIRTEEN

## EXERCISE 53

1.

9	8	2
---	---	---

2.

3	6	14	2
---	---	----	---

3.

12	2	8
----	---	---

4.

12	15	9
----	----	---

5.

12	5	10	2	2
----	---	----	---	---

6.

11	6	16
----	---	----

7.

8	6	8	2
---	---	---	---

8.

11	2	14	2	8
----	---	----	---	---

9.

2	6	4	5	12
---	---	---	---	----

10.

3	9	13	10
---	---	----	----

## EXERCISE 34

1. GOAT / goat
2. FISH / fish
3. SONG / song
4. STONE / stone
5. LONG / long
6. TEN / ten
7. TWO / two
8. GO / go
9. EAT / eat
10. VOTE / vote

## EXERCISE 55

1.

5	1	13	2
---	---	----	---

2.

4	9	7	3
---	---	---	---

3.

3	2	2	7
---	---	---	---

4.

10	9	13
----	---	----

5.

16	6	8
----	---	---

6.

3	1	6	13	5
---	---	---	----	---

7.

3	9	9	7
---	---	---	---

8.

11	1	13	2
----	---	----	---

9.

3	1	6	7
---	---	---	---

10.

5	9	11	8
---	---	----	---



# UNIT FOURTEEN

## EXERCISE 56

1.

Sixteen

9.

Fifteen

2.

Eleven

10.

Seventeen

3.

Thirteen

4.

Nineteen

5.

Sixteen

6.

Fifteen

7.

Twenty

8.

Twenty

## EXERCISE 57

1. **Fourteen**
2. **Fifteen**
3. **Seventeen**
4. **Eighteen**
5. **Twenty - three**
6. **Twenty - six**
7. **Twenty - one**
8. **Twenty - two**
9. **Twenty - nine**
10. **Twenty - four**

EXERCISE 58

1. Seven

2. Five

3. Five

4. Nine

5. Eight

6. Ten

7. Fifteen

8. Ten

9. Six

10. Ten

# UNIT FIFTEEN

## EXERCISE 59

1.     (32)     (34)
2.     (24)     (26)
3.     (70)     (72)     (74)
4.     (54)     (56)
5.     (62)     (64)     (66)
6.     (50)     (52)     (54)
7.     (94)     (96)     (98)
8.     (46)     (48)
9.     (10)     (12)     (14)
10.    (8)     (10)

# EXERCISE 60

- |     |           |           |           |            |           |
|-----|-----------|-----------|-----------|------------|-----------|
| 1.  | <u>3</u>  | (8)       | <u>1</u>  | <u>15</u>  | <u>7</u>  |
| 2.  | (10)      | (12)      | <u>17</u> | <u>21</u>  | (14)      |
| 3.  | (18)      | <u>19</u> | (32)      | <u>47</u>  | (60)      |
| 4.  | (20)      | <u>23</u> | <u>31</u> | (40)       | (42)      |
| 5.  | <u>43</u> | (38)      | (50)      | <u>101</u> | (78)      |
| 6.  | (34)      | <u>35</u> | <u>37</u> | (40)       | (46)      |
| 7.  | (80)      | <u>83</u> | (88)      | (90)       | <u>91</u> |
| 8.  | <u>61</u> | (72)      | <u>75</u> | <u>79</u>  | (80)      |
| 9.  | (32)      | (40)      | <u>51</u> | <u>55</u>  | <u>79</u> |
| 10. | (50)      | <u>53</u> | <u>55</u> | (62)       | (68)      |

## EXERCISE 61

1.  $\underline{42}$      $\underline{52}$

2.  $\underline{4}$      $\underline{34}$      $\underline{44}$

3.  $\underline{26}$      $\underline{46}$

4.  $\underline{48}$      $\underline{58}$

5.  $\underline{20}$      $\underline{30}$

6.  $\underline{26}$      $\underline{28}$

7.  $\underline{84}$      $\underline{86}$

# EXERCISE 62

1.    (15)    (17)
2.    (25)
3.    (57)    (59)    (63)
4.    (71)    (73)    (75)
5.    (81)    (83)
6.    (93)    (71)    (85)
7.    (41)    (43)
8.    (63)    (65)
9.    (7)    (9)
10.    (33)    (35)    (37)

## EXERCISE 63

1.  $\underline{31}$   $\underline{41}$

2.  $\underline{23}$

3.  $\underline{35}$   $\underline{45}$

4.  $\underline{7}$   $\underline{27}$

5.  $\underline{29}$   $\underline{49}$   $\underline{59}$

6.  $\underline{3}$   $\underline{35}$

7.  $\underline{13}$   $\underline{17}$   $\underline{19}$