

**ANSWER/INTERPRETATION**

**TO**

**UNDERSTANDING  
QUANTITATIVE REASONING**

*for*

**ELEMENTARY SCHOOLS**

**4**

**BY FELIX BOB ERIAMIATOR  
LINCOLN LUKE OSSAI**

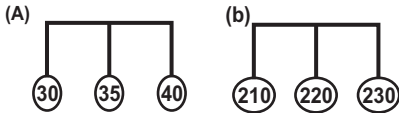
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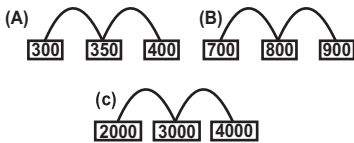
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## EXERCISE 1



1. 90
2. 60
3. 105
4. 80
5. 710
6. 810
7. 60
8. 180
9. 120
10. 120
11. 60
12. 535
13. 720
14. 510
15. 970
16. 430
17. 400
18. 770
19. 100
20. 165

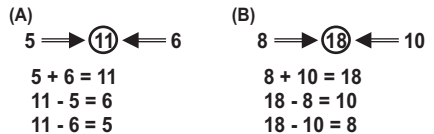
## EXERCISE 2



1. 400
2. 500
3. 2000
4. 750
5. 2150
6. 6000
7. 800

8. 3000
9. 300
10. 560
11. 950
12. 8000
13. 300
14. 3000
15. 650
16. 130
17. 325
18. 10,000
19. 225
20. 7200

## EXERCISE 3



1.  $12 + 5 = 17$
2.  $100 - 60 = 40$
3.  $45 - 20 = 25$
4.  $15 + 10 = 25$
5.  $65 - 25 = 40$
6.  $160 - 70 = 90$
7.  $45 - 15 = 30$
8.  $30 + 45 = 75$
9.  $84 - 50 = 34$
10.  $105 - 65 = 40$
11.  $92 + 85 = 177$
12.  $90 - 25 = 65$
13.  $140 - 105 = 35$
14.  $42 + 22 = 64$
15.  $130 - 35 = 95$
16.  $100 - 20 = 80$
17.  $55 + 48 = 103$
18.  $105 - 95 = 10$
19.  $65 - 15 = 50$
20.  $120 + 35 = 155$

## EXERCISE 4

(A)  $70 \leftarrow \boxed{15} \rightarrow 55$

**Interpretation**  
 $70 - 55 = 15$   
 $55 + 15 = 70$   
 $70 - 15 = 55$

1.  $90 - 85 = 5$
2.  $80 - 55 = 25$
3.  $200 - 130 = 70$
4.  $81 - 65 = 16$
5.  $140 + 33 = 173$
6.  $76 - 38 = 38$
7.  $192 - 35 - 157$
8.  $208 - 196 = 12$
9.  $162 + 10 = 172$
10.  $108 - 22 = 86$
11.  $94 - 52 = 99$
12.  $98 + 8 = 106$
13.  $49 + 50 = 99$
14.  $30 + 0 = 30$
15.  $116 - 42 = 74$
16.  $49 - 20 = 29$
17.  $25 - 15 = 10$
18.  $42 - 6 = 36$
19.  $100 + 41 = 141$
20.  $75 + 75 = 150$

(b)  $120 \leftarrow \boxed{50} \rightarrow 70$

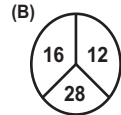
**Interpretation**  
 $120 - 70 = 50$   
 $70 + 50 = 120$   
 $120 - 50 = 70$

- 10)  $34 \times \frac{1}{2} = 34 \times 2 = 68$
- 11)  $3 \times 3 = 9$
- 12)  $25 \div \frac{1}{2} = 25 \times \frac{2}{1} = 10$
- 13)  $60 \div 20 = 3$
- 14)  $144 \div 12 = 12$
- 15)  $9 \times 0 = 0$
- 16)  $9 \times 5 = 45$
- 17)  $275 \div 25 = 11$
- 18)  $48 \div 3 = 16$
- 19)  $5 \times 5 = 25$
- 20)  $70 \div 7 = 10$

## EXERCISE 6

(A)  $6 \leftarrow \boxed{24} \leftarrow 4$

**Interpretation**  
 $6 \times 4 = 24$   
 $24 \div 6 = 4$   
 $24 \div 4 = 6$



**Interpretation**  
 $16 + 12 = 28$   
 $28 - 16 = 12$   
 $28 - 12 = 16$

- 1)  $3 \times 10 = 30$
- 2)  $250 + 200 = 450$
- 3)  $30 \div 5 = 6$
- 4)  $400 - 150 = 250$
- 5)  $28 \div 7 = 4$
- 6)  $550 - 300 = 250$
- 7)  $11 \times 5 = 55$
- 8)  $98 + 200 = 298$
- 9)  $60 \div 20 = 3$
- 10)  $65 - 20 = 45$
- 11)  $45 \div 3 = 15$
- 12)  $144 - 112 = 32$
- 13)  $4 \times 9 = 36$
- 14)  $63 + 52 = 115$
- 15)  $48 \div 6 = 8$
- 16)  $820 - 700 = 120$
- 17)  $60 \div 4 = 15$
- 18)  $292 - 180 = 112$
- 19)  $13 \times 5 = 65$
- 20)  $70 + 120 = 190$

## EXERCISE 5

(A)  $30 \text{---} \overset{6}{\text{---}} \text{---} 5$

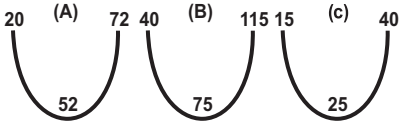
**Interpretation**  
 $30 \div 5 = 6$   
 $30 \div 6 = 5$   
 $6 \times 5 = 30$

(B)  $7 \rightarrow \boxed{35} \leftarrow 5$

**Interpretation**  
 $7 \times 5 = 35$   
 $35 \div 7 = 5$   
 $35 \div 5 = 7$

- 1)  $42 \div 6 = 7$
- 2)  $65 \div 13 = 5$
- 3)  $40 \times 2 = 80$
- 4)  $50 \div 2 = 25$
- 5)  $39 \div 3 = 13$
- 6)  $60 \div 6 = 10$
- 7)  $10 \times 10 = 100$
- 8)  $15 \times 0 = 0$
- 9)  $54 \div 18 = 3$

## EXERCISE 7

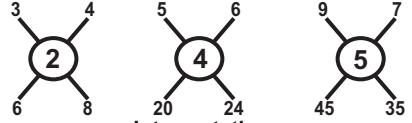


<b>Interpretation</b>	<b>Interpretation</b>	<b>Interpretation</b>
$20 + 52 = 72$	$40 + 75 = 115$	$15 + 25 = 40$
$72 - 20 = 52$	$115 - 40 = 75$	$40 - 15 = 25$
$72 - 52 = 20$	$115 - 25 = 40$	$40 - 25 = 15$

- 1)  $25 + 90 = 115$
- 2)  $60 - 20 = 40$
- 3)  $120 - 95 = 25$
- 4)  $98 - 90 = 8$
- 5)  $88 + 20 = 108$
- 6)  $141 - 96 = 45$
- 7)  $48 - 28 = 20$
- 8)  $92 - 60 = 32$
- 9)  $134 - 70 = 64$
- 10)  $241 + 26 = 267$
- 11)  $79 + 65 = 144$
- 12)  $70 - 54 = 16$
- 13)  $80 - 32 = 48$
- 14)  $95 - 30 = 65$
- 15)  $15 + 34 = 49$
- 16)  $96 - 28 = 68$
- 17)  $88 - 46 = 42$
- 18)  $146 + 76 = 222$
- 19)  $130 - 36 = 94$
- 20)  $66 + 40 = 106$

- 1)  $105 + 65 = 170$
- 2)  $70 - 44 = 26$
- 3)  $80 - 45 = 35$
- 4)  $75 - 30 = 45$
- 5)  $15 + 10 = 25$
- 6)  $96 - 63 = 33$
- 7)  $88 - 25 = 63$
- 8)  $112 + 76 = 188$
- 9)  $130 - 15 = 115$
- 10)  $55 + 40 = 95$

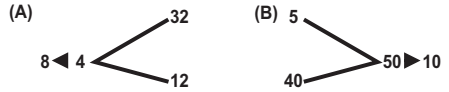
## EXERCISE 8



<b>Interpretation</b>	<b>Interpretation</b>	<b>Interpretation</b>
$2 \times 3 = 6$	$4 \times 5 = 20$	$5 \times 9 = 45$
$2 \times 4 = 8$	$4 \times 6 = 24$	$5 \times 7 = 35$
$6 \div 2 = 3$	$20 \div 4 = 5$	$45 \div 5 = 9$
$8 \div 2 = 4$	$24 \div 4 = 6$	$35 \div 5 = 7$

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1) <math>5 \times 4 = 20</math></li> <li>2) <math>10 \times 3 = 30</math></li> <li>3) <math>\frac{100}{5} = 20</math></li> <li>4) <math>\frac{20}{10} = 2</math></li> <li>5) <math>\frac{30}{5} = 6</math></li> <li>6) <math>\frac{40}{10} = 4</math></li> <li>7) <math>\frac{30}{6} = 5</math></li> <li>8) <math>\frac{110}{10} = 11</math></li> <li>9) <math>\frac{70}{10} = 7</math></li> <li>10) <math>\frac{96}{12} = 8</math></li> </ol> | <ol style="list-style-type: none"> <li>11) <math>\frac{150}{15} = 10</math></li> <li>12) <math>\frac{81}{9} = 9</math></li> <li>13) <math>\frac{120}{20} = 6</math></li> <li>14) <math>\frac{42}{7} = 6</math></li> <li>15) <math>\frac{150}{5} = 30</math></li> <li>16) <math>25 \times 3 = 75</math></li> <li>17) <math>\frac{80}{10} = 8</math></li> <li>18) <math>\frac{63}{9} = 7</math></li> <li>19) <math>\frac{60}{5} = 12</math></li> <li>20) <math>11 \times 7 = 77</math></li> </ol> |
|---|---|

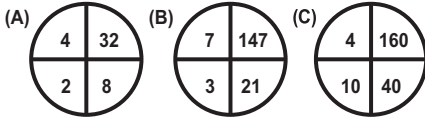
## EXERCISE 9



<b>Interpretation</b>	<b>Interpretation</b>
$8 \times 4 = 32$	$50 \div 10 = 5$
$8 + 4 = 12$	$50 - 10 = 40$

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1) <math>5 + 20 = 25</math></li> <li>2) <math>3 \times 15 = 45</math></li> <li>3) <math>20 - 4 = 16</math></li> <li>4) <math>10 - 8 = 2</math></li> <li>5) <math>20 - 10 = 10</math></li> <li>6) <math>7 \times 11 = 77</math></li> <li>7) <math>4 + 4 = 8</math></li> <li>8) <math>100 - 20 = 80</math></li> <li>9) <math>45 \div 9 = 5</math></li> <li>10) <math>75 - 70 = 5</math></li> <li>11) <math>16 - 12 = 4</math></li> <li>12) <math>3 \times 21 = 63</math></li> <li>13) <math>5 + 6 = 11</math></li> </ol> | <ol style="list-style-type: none"> <li>14) <math>44 \div 4 = 11</math></li> <li>15) <math>15 - 3 = 12</math></li> <li>16) <math>35 \div 7 = 5</math></li> <li>17) <math>40 - 35 = 5</math></li> <li>18) <math>110 + 10 = 120</math></li> <li>19) <math>9 \times 5 = 45</math></li> <li>20) <math>8 + 6 = 14</math></li> </ol> |
|---|---|

## EXERCISE 10



Interpretation

$$\begin{array}{lll} 8 \div 2 = 4 & 21 \div 3 = 7 & 40 \div 10 = 4 \\ 4 \times 8 = 32 & 7 \times 21 = 147 & 4 \times 40 = 160 \end{array}$$

- |  |                         |
|--|-------------------------|
| 1) $12 \times 3 = 36$                            | 12) $75 \div 15 = 5$    |
| 2) $50 \div 10 = 5$                              | 13) $90 \div 3 = 30$    |
| 3) $10 \div 5 = 2$                               | 14) $180 \div 6 = 30$   |
| 4) $25 \div 2 \frac{1}{2} = 25 \div \frac{5}{2}$ | 15) $120 \div 3 = 40$   |
| $= 25 \times \frac{2}{5} = 5 \times 2 = 10$      | 16) $49 \times 7 = 343$ |
| 5) $21 \div 3 = 7$                               | 17) $60 \div 10 = 6$    |
| 6) $192 \div 8 = 24$                             | 18) $12 \div 6 = 2$     |
| 7) $10 \times 5 = 50$                            | 19) $3 \times 6 = 18$   |
| 8) $15 \div 5 = 3$                               | 20) $24 \times 6 = 144$ |
| 9) $80 \div 20 = 4$                              |                         |
| 10) $3 \times 10 = 30$                           |                         |
| 11) $25 \times 5 = 125$                          |                         |

## EXERCISE 11



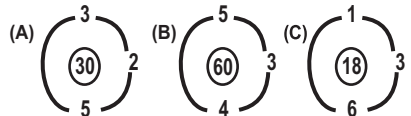
Interpretation

$$(6 + 4) \div 2 = 5 \qquad (2 + 3) \div 2 = 2\frac{1}{2}$$

- 1)  $(10 + X) \div 2 = 6$   
 $\frac{10 + X}{2} = 6$   
 $X = 12 - 10 = 2$
- 2)  $(X + 10) \div 2 = 9$   
 $\frac{X + 10}{2} = 9$   
 $X = 18 - 10 = 8$
- 3)  $(15 + 7) \div 2 = 11$
- 4)  $(5 + X) \div 2 = 4$   
 $\frac{5 + X}{2} = 4$   
 $X = 8 - 5 = 3$
- 5)  $(X + 10) \div 2 = 15$   
 $\frac{X + 10}{2} = 15$   
 $X = 30 - 10 = 20$
- 6)  $(12 + 26) \div 2 = \frac{38}{2} = 19$
- 7)  $(6 + 22) \div 2 = \frac{28}{2} = 14$
- 8)  $(105 + X) \div 2 = 109$   
 $\frac{105 + X}{2} = 109$   
 $X = 218 - 105, \quad X = 20$

- 9)  $(10 + X) \div 2 = 15$   
 $\frac{X + 10}{2} = 15$   
 $X = 30 - 10 = 20$
- 10)  $(X + 12) \div 2 = 12$   
 $\frac{X + 12}{2} = 12$   
 $X = 24 - 12 = 12$
- 11)  $(X + 1) \div 2 = 8$   
 $\frac{X + 1}{2} = 8$   
 $X = 16 - 1 = 15$
- 12)  $(17 + 25) \div 2 = \frac{42}{2} = 21$
- 13)  $(45 + 1) \div 2 = \frac{46}{2} = 23$
- 14)  $(30 + X) \div 2 = 15$   
 $\frac{30 + X}{2} = 15$   
 $X = 30 - 30 = 0$
- 15)  $(50 + X) \div 2 = 75$   
 $\frac{50 + X}{2} = 75$   
 $X = 150 - 50, \quad X = 100$
- 16)  $(X + 75) \div 2 = 50$   
 $\frac{X + 75}{2} = 50$   
 $X = 100 - 75, \quad X = 25$
- 17)  $(X + 5) \div 2 = 10$   
 $\frac{X + 5}{2} = 10$   
 $X = 20 - 5 = 15$
- 18)  $(8 + 8) \div 2 = \frac{16}{2} = 8$
- 19)  $(30 + X) \div 2 = 16$   
 $\frac{30 + X}{2} = 16$   
 $X = 32 - 30 = 2$
- 20)  $(X + 20) \div 2 = 90$   
 $\frac{X + 20}{2} = 90$   
 $X + 20 = 180$   
 $X = 180 - 20$   
 $X = 160$

## EXERCISE 12



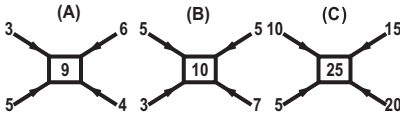
Interpretation

$$3 \times 2 \times 5 = 30 \qquad 5 \times 3 \times 4 = 60 \qquad 1 \times 3 \times 6 = 18$$

1.  $3 \times 2 \times 2 = 18$
2.  $40 \div (4 \times 5) = 40 \div 20 = 2$
3.  $24 \div (3 \times 2) = 4$
4.  $84 \div (4 \times 3) = 7$

5.  $36 \div (6 \times 2) = 3$
6.  $32 \div (4 \times 2) = 4$
7.  $60 \div (3 \times 2) = 10$
8.  $4 \times 3 \times 11 = 132$
9.  $3 \times 3 \times 4 = 36$
10.  $120 \div (4 \times 6) = 5$
11.  $210 \div (7 \times 3) = 10$
12.  $3 \times 7 \times 5 = 105$
13.  $108 \div (4 \times 3) = 9$
14.  $160 \div (10 \times 4) = 4$
15.  $42 \div (7 \times 3) = 2$
16.  $90 \div (3 \times 2 \frac{1}{2}) = 12$
17.  $4 \times 3 \times \frac{1}{2} = 6$
18.  $25 \div (2 \frac{1}{2} \times \frac{1}{2}) = 20$
19.  $24 \div (2 \times 12) = 1$
20.  $14 \div (2 \times 7) = 1$

### EXERCISE 13



Interpretation  
 $5 + 4 = 9$   
 $3 + 6 = 9$

Interpretation  
 $3 + 7 = 10$   
 $5 + 5 = 10$

Interpretation  
 $5 + 20 = 25$   
 $10 + 15 = 25$

- 1)  $10 + 5 = 15$
- 2)  $8 - 2 = 6$
- 3)  $32 - 10 = 22$
- 4)  $40 - 25 = 15$
- 5)  $7 + 0 = 7$
- 6)  $92 - 55 = 37$
- 7)  $105 - 78 = 27$
- 8)  $235 - 65 = 170$
- 9)  $19 - 8 = 11$
- 10)  $110 + 100 = 210$
- 11)  $99 + 40 = 139$
- 12)  $12 - 9 = 3$
- 13)  $320 - 140 = 180$
- 14)  $79 - 37 = 42$
- 15)  $54 - 15 = 39$
- 16)  $205 - 92 = 113$
- 17)  $15 + 45 = 60$
- 18)  $25 - 15 = 10$
- 19)  $99 - 73 = 26$
- 20)  $48 - 14 = 34$

### EXERCISE 14

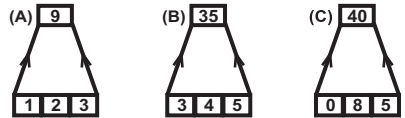


Interpretation  
 $60 \div 5 = 12$   
 $60 - 5 = 55$

Interpretation  
 $44 \div 4 = 11$   
 $44 - 4 = 40$

- 1)  $12 - 3 = 9$
- 2)  $36 \div 3 = 12$
- 3)  $24 + 4 = 28$
- 4)  $72 \div 8 = 9$
- 5)  $36 \div 6 = 6$
- 6)  $90 - 10 = 80$
- 7)  $99 + 9 = 108$
- 8)  $121 - 110 = 11$
- 9)  $15 - 3 = 12$
- 10)  $40 \div 4 = 10$
- 11)  $116 + 4 = 120$
- 12)  $35 - 28 = 7$
- 13)  $210 - 7 = 203$
- 14)  $70 + 5 = 75$
- 15)  $140 \div 7 = 20$
- 16)  $90 - 3 = 87$
- 17)  $70 - 60 = 10$
- 18)  $20 + 5 = 25$
- 19)  $81 \div 3 = 27$
- 20)  $35 - 30 = 5$

### EXERCISE 15



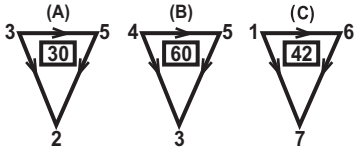
(1 + 2) x 3 = 9

Interpretation  
 $(3 + 4) \times 5 = 35$

(0 + 8) x 5 = 40

- 1)  $1 + 2 = 3$
- 2)  $7 + 0 = 7$
- 3)  $12 \div 4 = 3$
- 4)  $45 \div 5 = 9$
- 5)  $6 + 14 = 20$
- 6)  $70 \div 7 = 10$
- 7)  $64 \div 8 = 8$
- 8)  $5 + 1 = 6$
- 9)  $7 + 15 = 22$
- 10)  $6 \div \frac{1}{2} = 12$
- 11)  $3 + \frac{1}{2} = 3\frac{1}{2}$
- 12)  $7 + 2 = 9$
- 13)  $26 \div 2 = 13$
- 14)  $30 \div 10 = 3$
- 15)  $35 \div 5 = 7$
- 16)  $2 + 8 - 10 = 10$
- 17)  $0 + 9 = 9$
- 18)  $54 \div 9 = 6$
- 19)  $81 \div 9 = 9$
- 20)  $3 + 5 = 8$
- 1)  $3 \times 3 = 9$
- 2)  $21 \div 7 = 3$
- 3)  $3 - 2 = 1$
- 4)  $9 - 9 = 0$
- 5)  $50 \div 20 = 2\frac{1}{2}$
- 6)  $10 - 1 = 9$
- 7)  $8 - 5 = 3$
- 8)  $6 \times 9 = 54$
- 9)  $22 \times 0 = 0$
- 10)  $12 - 4 = 8$
- 11)  $3\frac{1}{2} \times \frac{2}{5} = \frac{7}{2} \times \frac{2}{5} = \frac{7}{5} = 1\frac{2}{5}$
- 12)  $27 \div 9 = 3$
- 13)  $13 - 3 = 10$
- 14)  $3 - 1 = 2$
- 15)  $7 - 2 = 5$
- 16)  $10 \times 5 = 50$
- 17)  $54 \div 9 = 6$
- 18)  $6 - 3 = 3$
- 19)  $9 - 4 = 5$
- 20)  $8 \times 7 = 56$

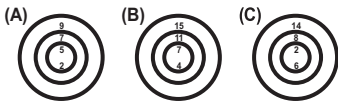
## EXERCISE 16



Interpretation  
 $3 \times 5 \times 2 = 30$      $4 \times 5 \times 3 = 60$      $1 \times 6 \times 7 = 42$

- 1)  $2 \times 3 \times 7 = 42$
- 2)  $60 \div (5 \times 4) = 3$
- 3)  $21 \div (7 \times 3) = 1$
- 4)  $40 \div (5 \times 2) = 4$
- 5)  $3 \times 4 \times 3 = 36$
- 6)  $32 \div (4 \times 2) = 4$
- 7)  $36 \div (6 \times 3) = 2$
- 8)  $18 \div (3 \times 2) = 3$
- 9)  $84 \div (3 \times 4) = 7$
- 10)  $3 \times 4 \times 11 = 132$
- 11)  $210 \div (3 \times 10) = 7$
- 12)  $280 \div (7 \times 4) = 10$
- 13)  $20 \div (\frac{1}{2} \times 5) = 8$
- 14)  $2\frac{1}{2} \times \frac{1}{2} \times 4 = 5$
- 15)  $120 \div (6 \times 10) = 2$
- 16)  $27 \div (1 \times 3) = 9$
- 17)  $18 \div (1 \times 2) = 9$
- 18)  $20 \div (5 \times 4) = 1$
- 19)  $6 \times 3 \times \frac{1}{2} = 9$
- 20)  $81 \div (3 \times 3) = 9$

## EXERCISE 17



Interpretation  
 $9 - 7 = 2$      $15 - 11 = 4$      $14 - 8 = 6$   
 $7 - 5 = 2$      $11 - 7 = 4$      $8 - 2 = 6$

- 1)  $4 + 5 = 9$
- 2)  $20 - 5 = 15$
- 3)  $10 + 40 = 50$
- 4)  $11 + 6 = 17$
- 5)  $18 - 7 = 11$
- 6)  $6 + 15 = 21$
- 7)  $8 + 4 = 12$
- 8)  $20 - 16 = 4$
- 9)  $60 - 48 = 12$
- 10)  $12 + 6 = 18$
- 11)  $28 + 3 = 31$
- 12)  $15 - 4 = 11$
- 13)  $13 - 9 = 4$
- 14)  $38 + 4 = 42$

- 15)  $15 + 5 = 20$
- 16)  $50 - 10 = 40$
- 17)  $14 + 2 = 16$
- 18)  $4 + 3 = 7$
- 19)  $12 - 3 = 9$
- 20)  $5 - 4 = 1$

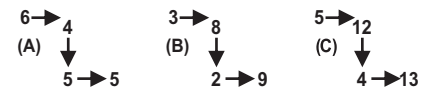
## EXERCISE 18



Interpretation  
 $2 \times 3 = 6$      $30 \div 5 = 6$

- 1)  $2 \times 5 = 10$
- 2)  $18 \div 3 = 6$
- 3)  $18 \div 3 = 6$
- 4)  $5 \times 4 = 20$
- 5)  $36 \div 12 = 3$
- 6)  $45 \div 5 = 9$
- 7)  $3 \times 2 = 6$
- 8)  $4 \times 2 \times 3 = 24$
- 9)  $25 \times 3 = 75$
- 10)  $15 \times 4 = 60$
- 11)  $45 \div 5 = 9$
- 12)  $900 \div 3 = 300$
- 13)  $425 \div 5 = 85$
- 14)  $6 \times 10 = 60$
- 15)  $4 \times 5 \times 2 = 40$
- 16)  $(500 \div 5) \div 10 = 10$
- 17)  $(300 \div 10) \times 2 = 60$
- 18)  $201 \times 3 = 603$
- 19)  $11 \times 7 = 77$
- 20)  $6 \times 3 \times 2 = 36$

## EXERCISE 19



Interpretation  
 $6 + 4 = 10 - 5 = 5$      $3 + 8 = 11 - 2 = 9$      $5 + 12 = 17 - 4 = 13$

- 1)  $(7 + 3) - 6 = 10 - 6 = 4$



- 2)  $(4 + 12) - 10 = 16 - 10 = 6$
- 3)  $(2 + 3) - 5 = 5 - 5 = 0$
- 4)  $(12 - 11) + 8 = 1 + 8 = 9$
- 5)  $(15 + 10) - 20 = 25 - 20 = 5$
- 6)  $(18 + 10) - 6 = 28 - 6 = 22$
- 7)  $(42 + 11) - 13 = 53 - 13 = 40$
- 8)  $(70 + 30) - 92 = 100 - 92 = 8$
- 9)  $(10 + 17) - 12 = 27 - 12 = 15$
- 10)  $(15 + 15) - 24 = 30 - 24 = 6$

- 1)  $9 - 3 = 6$
- 2)  $20 - 5 = 15$
- 3)  $25 + 5 = 30$
- 4)  $21 \div 7 = 3$
- 5)  $18 - 12 = 6$
- 6)  $24 - 4 = 20$
- 7)  $30 - 25 = 5$
- 8)  $30 + 30 = 60$
- 9)  $45 \div 15 = 3$
- 10)  $30 - 6 = 24$
- 11)  $36 - 24 = 12$
- 12)  $22 + 11 = 33$
- 13)  $40 \div 20 = 2$
- 14)  $45 - 9 = 36$
- 15)  $15 - 10 = 5$
- 16)  $105 - 90 = 15$
- 17)  $270 - 180 = 90$
- 18)  $100 - 10 = 90$
- 19)  $32 \div 8 = 4$
- 20)  $14 + 2 = 16$

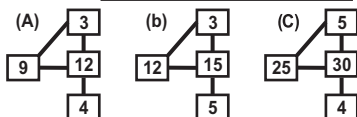
## EXERCISE 20

SAMPLE:



- |                                     |   |
|-------------------------------------|---|
| 1) 17, 21                           | 11) 32, 9                               |
| 2) 23, 26                           | 12) 23, 30                              |
| 3) 32, 64                           | 13) $10 \frac{5}{5}$ , $12 \frac{6}{5}$ |
| 4) $\frac{1}{24}$ , $\frac{1}{31}$  | 14) 4                                   |
| 5) 25, 32                           | 15) 9, 7                                |
| 6) 27, 36                           | 16) 14, 8                               |
| 7) 23, 25                           | 17) 15, 12                              |
| 8) 9, 11                            | 18) 44, 42                              |
| 9) $\frac{5}{15}$ , $\frac{10}{15}$ | 19) 24, 30                              |
| 10) 47, 95                          | 20) 211, 221                            |

## EXERCISE 21



Interpretation

$9 + 3 = 12$	$12 + 3 = 15$	$25 + 5 = 30$
$12 + 3 = 15$	$15 + 3 = 18$	$30 + 5 = 35$
$12 - 3 = 9$	$15 - 3 = 12$	$30 - 5 = 25$
$12 \div 4 = 3$	$15 \div 5 = 3$	$30 \div 6 = 5$

## EXERCISE 22

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

(A) hide = 7834 (B) did = 383 (C) i/e =  $\frac{8}{4} = 2$

- |          |                                |
|----------|--------------------------------|
| 1) 7867  | 15) 7403                       |
| 2) Dad   | 16) Deaf                       |
| 3) 466   | 17) $20 \div 15 = \frac{4}{3}$ |
| 4) Big   | 18) $25 \div 5 = 5$            |
| 5) 5024  | 19) Bid                        |
| 6) Fig   | 20) 186                        |
| 7) 1445  |                                |
| 8) Cafe  |                                |
| 9) 3403  |                                |
| 10) Bag  |                                |
| 11) 5034 |                                |
| 12) Cab  |                                |
| 13) 2064 |                                |
| 14) Had  |                                |

### EXERCISE 23

0 1 2 3 4 5 6 7 8 9

a b c d e f g h i j

(A) hajj = 7099 (B) café = 3054 (C) 100 = baa

- |                   |          |
|-------------------|----------|
| 1) 45             | 11) 300  |
| 2) Fae            | 12) Bgcb |
| 3) 43             | 13) 100  |
| 4) Ebj            | 14) 47   |
| 5) 08             | 15) Caaj |
| 6) jbb            | 16) 030  |
| 7) $4 \div 2 = 2$ | 17) 454  |
| 8) b/d            | 18) Fif  |
| 9) 53             | 19) 858  |
| 10) Gaf           | 20) 867  |

### EXERCISE 24

0 1 2 3 4 5 6 7 8 9

a b c d e f g h i j

(a)  $j + b = 9 + 1$  (b)  $g - f = 6 - 5$

(c)  $d \times c = 3 \times 2$  (d)  $l \div e = 8 \div 4$

- |                 |                 |
|-----------------|-----------------|
| 1) Cexd         | 11) 54 - 45     |
| 2) Hf + ba      | 12) 62 + 30     |
| 3) 5 - 2        | 13) cc x g      |
| 4) 64 - 15      | 14) G x a       |
| 5) $20 \div 5$  | 15) Bg ÷ e      |
| 6) Ec - dg      | 16) Bc + g      |
| 7) j x f        | 17) 202/12      |
| 8) $15 \div 3$  | 18) 34 + 23     |
| 9) $4 \times 5$ | 19) 68 - 50     |
| 10) 6 + 4       | 20) $49 \div 7$ |

### EXERCISE 25

TELEGRAM

8 2 5 2 6 3 7 4

(a) TEAR = 8273 (b) 528 LET

- |           |         |
|-----------|---------|
| 1) 325782 | 6) 3782 |
| 2) 63278  | 7) Gate |
| 3) Ear    | 8) Meat |
| 4) Greet  | 9) 827  |
| 5) 526    | 10) 782 |

- 11) Rat
- 12) Get
- 13) 374
- 14) 478
- 15) Eat
- 16) Meat
- 17) 426
- 18) 8732
- 19) Tel
- 20) Lame

### EXERCISE 26

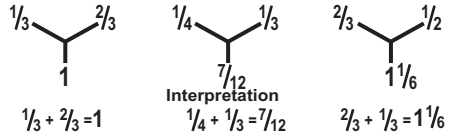
examination

2 8 1 4 3 5 1 7 3 6 5

(a) notion = 567365 (b) 735 = tin

- |           |            |
|-----------|------------|
| 1) 718    | 11) Ten    |
| 2) 3724   | 12) Net    |
| 3) Extent | 13) 14351  |
| 4) Meat   | 14) 5142   |
| 5) 43551  | 15) Exam   |
| 6) 2837   | 16) Note   |
| 7) Nine   | 17) 517365 |
| 8) Tin    | 18) 7257   |
| 9) 7287   | 19) Next   |
| 10) 4227  | 20) Mine   |

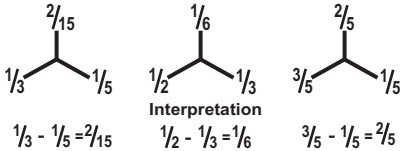
### EXERCISE 27



1.  $\frac{1}{3} + \frac{1}{3} = \frac{1+1}{3} = \frac{2}{3}$  (2/3)
2.  $\frac{1}{3} + \frac{2}{5} = \frac{5+6}{15} = \frac{11}{15}$  (11/15)
3.  $\frac{12}{3} - \frac{5}{9} = \frac{36-5}{9} = \frac{31}{9}$  (31/9)
4.  $\frac{5}{9} - \frac{1}{3} = \frac{5-3}{9} = \frac{2}{9}$  (2/9)
5.  $\frac{5}{6} - \frac{3}{4} = \frac{10-9}{12} = \frac{1}{12}$  (1/12)
6.  $\frac{1}{4} + \frac{2}{5} = \frac{5+8}{20} = \frac{13}{20}$  (13/20)
7.  $\frac{1}{4} + \frac{3}{8} = \frac{2+3}{8} = \frac{5}{8}$  (5/8)
8.  $\frac{13}{20} - \frac{2}{5} = \frac{13-8}{20} = \frac{5}{20}$  (5/20)
9.  $\frac{5}{6} - \frac{1}{3} = \frac{5-2}{6} = \frac{3}{6}$  (3/6)

10.  $\frac{13}{21} - \frac{2}{7} = \frac{13-6}{21} = \frac{7}{21}$  (7/21)
11.  $\frac{7}{12} - \frac{1}{3} = \frac{7-4}{12} = \frac{3}{12}$  (3/12)
12.  $\frac{1}{2} + \frac{2}{5} = \frac{5+4}{10} = \frac{9}{10}$  (9/10)
13.  $\frac{1}{5} + \frac{2}{5} = \frac{1+2}{5} = \frac{3}{5}$  (3/5)
14.  $\frac{11}{30} - \frac{1}{6} = \frac{11-5}{30} = \frac{6}{30}$  (6/30)
15.  $1\frac{1}{4} - \frac{2}{3} = \frac{5}{4} - \frac{2}{3} = \frac{15-8}{12} = \frac{7}{12}$  (7/12)
16.  $\frac{19}{28} - \frac{3}{7} = \frac{19-12}{28} = \frac{7}{28}$  (7/28)
17.  $\frac{9}{10} - \frac{3}{10} = \frac{9-3}{10} = \frac{6}{10}$  (6/10)
18.  $\frac{5}{9} - \frac{1}{3} = \frac{5-3}{9} = \frac{2}{9}$  (2/9)
19.  $\frac{1}{4} + \frac{3}{7} = \frac{7+12}{28} = \frac{19}{28}$  (19/28)
20.  $\frac{2}{3} - \frac{1}{2} = \frac{4-3}{6} = \frac{1}{6}$  (1/6)

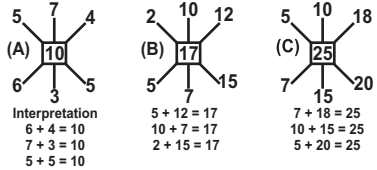
### EXERCISE 28



1.  $\frac{7}{8} - \frac{1}{2} = \frac{7-4}{8} = \frac{3}{8}$  (3/8)
2.  $\frac{1}{2} - \frac{1}{3} = \frac{3-2}{6} = \frac{1}{6}$  (1/6)
3.  $3\frac{1}{4} - 1\frac{3}{4} = \frac{13}{4} - \frac{7}{4} = \frac{13-7}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
4.  $\frac{1}{2} - \frac{1}{10} = \frac{5-1}{10} = \frac{4}{10} = \frac{2}{5}$  (2/5)
5.  $\frac{13}{20} + \frac{1}{6} = \frac{39+10}{60} = \frac{49}{60}$  (49/60)
6.  $\frac{13}{28} + \frac{2}{7} = \frac{91+56}{196} = \frac{147}{196} = \frac{21}{28} = \frac{3}{4}$  (3/4)
7.  $\frac{2}{3} - \frac{2}{7} = \frac{14-6}{21} = \frac{8}{21}$  (8/21)
8.  $\frac{1}{2} - \frac{1}{5} = \frac{5-2}{10} = \frac{3}{10}$  (3/10)
9.  $\frac{2}{3} - \frac{1}{24} = \frac{16-1}{24} = \frac{15}{24} = \frac{5}{8}$  (5/8)
10.  $\frac{1}{2} - \frac{3}{10} = \frac{5-3}{10} = \frac{2}{10} = \frac{1}{5}$  (1/5)
11.  $\frac{1}{3} + \frac{11}{21} = \frac{7+11}{21} = \frac{18}{21} = \frac{6}{7}$  (6/7)
12.  $\frac{2}{5} + \frac{9}{40} = \frac{16+9}{40} = \frac{25}{40} = \frac{5}{8}$  (5/8)
13.  $\frac{9}{11} - \frac{2}{5} = \frac{45-22}{55} = \frac{23}{55}$  (23/55)
14.  $\frac{4}{5} - \frac{3}{10} = \frac{8-3}{10} = \frac{5}{10} = \frac{1}{2}$  (1/2)
15.  $\frac{7}{9} + \frac{4}{9} = \frac{7+4}{9} = \frac{3}{9} = \frac{1}{3}$  (1/3)
16.  $2\frac{1}{3} - \frac{1}{3} = \frac{7}{3} - \frac{1}{3} = \frac{7-1}{3} = \frac{6}{3} = 2$

17.  $\frac{5}{12} + \frac{1}{3} = \frac{5+4}{12} = \frac{9}{12} = \frac{3}{4}$  (3/4)
18.  $\frac{1}{2} + \frac{1}{6} = \frac{3+1}{6} = \frac{4}{6} = \frac{2}{3}$  (2/3)
19.  $\frac{8}{3} - \frac{3}{2} = \frac{16-9}{6} = \frac{7}{6}$  (7/6)
20.  $\frac{11}{4} - \frac{3}{2} = \frac{11-6}{4} = \frac{5}{4}$  (5/4)

### EXERCISE 29



- 1)  $3 + 9 = 12$
- 2)  $15 - 7 = 8$
- 3)  $8 - 3 = 5$
- 4)  $20 - 15 = 5$
- 5)  $19 - 8 = 11$
- 6)  $25 - 14 = 11$
- 7)  $45 - 25 = 20$
- 8)  $6 + 10 = 16$
- 9)  $32 - 15 = 17$
- 10)  $50 - 15 = 35$
- 11)  $12 - 5 = 7$
- 12)  $17 - 9 = 8$
- 13)  $28 - 15 = 13$
- 14)  $39 - 19 = 20$
- 15)  $65 - 18 = 47$
- 16)  $60 + 10 = 70$
- 17)  $40 - 15 = 25$
- 18)  $31 - 9 = 22$
- 19)  $22 - 12 = 10$
- 20)  $100 - 60 = 40$

### EXERCISE 30

- (A)  $2 \leftarrow 3 = \frac{3 \cdot 2}{2} = \frac{1}{2}$
- (B)  $2 \leftarrow 8 = \frac{8 \cdot 2}{2} = \frac{6}{2} = 3$
1.  $\frac{10 - 2}{2} = \frac{8}{2} = 4$
  2.  $\frac{14 - 4}{4} = \frac{10}{4} = \frac{5}{2} = 2\frac{1}{2}$
  3.  $\frac{10 - 3}{3} = \frac{7}{3} = 2\frac{1}{3}$
  4.  $\frac{9 - 3}{3} = \frac{6}{3} = 2$
  5.  $\frac{Y - 2}{2} = 1$   
 $Y = 4$
  6.  $\frac{9 - y}{y} = 8$   
 $8y = 9 - y$   
 $8y + y = 9$   
 $9y = 9$   
 $y = 9/9 = 1$
  7.  $\frac{15 - 5}{5} = \frac{10}{5} = 2$
  8.  $\frac{Y - 6}{6} = 5$   
 $y = 30 + 6$   
 $y = 36$
  9.  $\frac{Y - 3}{3} = 5$   
 $y - 3 = 15$   
 $y = 15 + 3$   
 $y = 18$
  10.  $\frac{45 - y}{y} = 8$   
 $45 - y = 8y$   
 $45 = 8y + y$   
 $9y = 45$   
 $y = 45/9$   
 $y = 5$

## EXERCISE 31

**Samples                      Interpretation**

(A)  $3 \otimes 4 = 11$       $3 \times 4 = 12 - 1 = 11$

(B)  $2 \otimes 8 = 15$       $2 \times 8 = 16 - 1 = 15$

©  $5 \otimes 7 = 34$       $5 \times 7 = 35 - 1 = 34$

1.  $(5 \times 6) - 1 = 30 - 1 = 29$  (29)

2.  $\frac{23+1}{4} = \frac{24}{4} = 6$  (6)

3.  $(4 \times 4) - 1 = 16 - 1 = 15$  (15)

4.  $(\frac{1}{4} \times 20) - 1 = 5 - 1 = 4$  (4)

5.  $\frac{99+1}{4} = \frac{100}{4} = 25$  (25)

6.  $(6 \times \frac{1}{2}) - 1 = 3 - 1 = 2$  (2)

7.  $\frac{14+1}{3} = \frac{15}{3} = 5$  (5)

8.  $\frac{39+1}{10} = \frac{40}{10} = 4$  (4)

9.  $\frac{76+1}{11} = \frac{77}{11} = 7$  (7)

10.  $\frac{34+1}{7} = \frac{35}{7} = 5$  (5)

11.  $\frac{54+1}{5} = \frac{55}{5} = 11$  (11)

12.  $\frac{89+1}{10} = \frac{90}{10} = 9$  (9)

13.  $\frac{35+1}{6} = \frac{36}{6} = 6$  (6)

14.  $\frac{9+1}{\frac{1}{5}} = 10 \div \frac{1}{5} = 10 \times \frac{5}{1} = 50$

15.  $(2 \times 6) - 1 = 12 - 1 = 11$  (11)

16.  $(9 \times 10) - 1 = 90 - 1 = 89$  (89)

17.  $(4 \times 5) - 1 = 20 - 1 = 19$  (19)

18.  $\frac{26+1}{3} = \frac{27}{3} = 9$  (9)

19.  $\frac{71+1}{12} = \frac{72}{12} = 6$  (6)

20.  $\frac{35+1}{3} = \frac{36}{3} = 12$  (12)

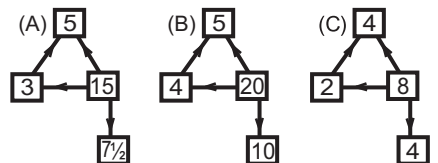
## EXERCISE 32

- 1) 10
- 2) 1
- 3) 9
- 4) Dodo
- 5) Akpu and tuo
- 6) 2
- 7) 9
- 8) Rice
- 9) Akpu and tuo
- 10) 3

## EXERCISE 33

- 1)  $10 + 3 + 8 + 4 = 25$
- 2)  $20 + 3 + 8 + 6 = 37$
- 3)  $16 + 4 + 8 + 6 = 34$
- 4) 4
- 5) 3
- 6) 6
- 7) 8
- 8)  $40 - 25 = 15$
- 9)  $40 - 37 = 3$
- 10)  $40 - 34 = 6$

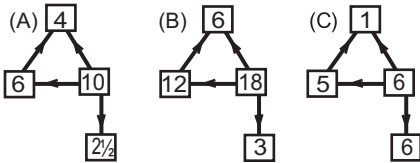
## EXERCISE 34



$3 \times 5 = 15 \div 2 = 7\frac{1}{2}$       $4 \times 5 = 20 \div 2 = 10$       $2 \times 4 = 8 \div 2 = 4$

- 1)  $6 \times 2 = 12$
- 2)  $10 \div 2 = 5$
- 3)  $24 \div 6 = 4$
- 4)  $20 \div 4 = 5$
- 5)  $6 \times 5 = 30$
- 6)  $25 \div 2 = 12\frac{1}{2}$
- 7)  $50 \div 10 = 5$
- 8)  $12 \div 2 = 6$
- 9)  $6 \times 3 = 18$
- 10)  $21 \div 2 = 10\frac{1}{2}$
- 11)  $32 \div 8 = 4$
- 12)  $35 \div 7 = 5$
- 13)  $8 \times 3 = 24$
- 14)  $50 \div 2 = 25$
- 15)  $27 \div 2 = 13\frac{1}{2}$
- 16)  $30 \div 10 = 3$
- 17)  $12 \div 1 = 12$
- 18)  $15 \times 1 = 15$
- 19)  $45 \div 2 = 22\frac{1}{2}$
- 20)  $40 \div 10 = 4$

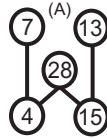
### EXERCISE 35



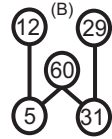
$6 + 4 = 10$      $12 + 6 = 18 \div 6 = 3$      $5 + 1 = 6 \div 1 = 6$

- 1)  $8 \div 3 = 8/3 = 2\frac{2}{3}$
- 2)  $8 + 2 = 10$
- 3)  $18 - 15 = 3$
- 4)  $6 + 2 = 8$
- 5)  $12 \div 3 = 4$
- 6)  $12 - 4 = 8$
- 7)  $20 - 15 = 5$
- 8)  $20 + 10 = 30$
- 9)  $13 \div 3 = 13/3 = 4\frac{1}{3}$
- 10)  $5 - 1 = 4$
- 11)  $24 - 20 = 4$
- 12)  $20 \div 2 = 10$
- 13)  $35 - 5 = 30$
- 14)  $25 - 20 = 5$
- 15)  $7 + 3 = 10$
- 16)  $12 \div 6 = 2$
- 17)  $21 - 7 = 14$

### EXERCISE 36



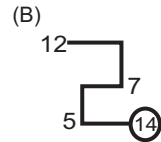
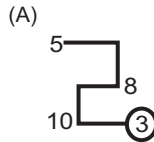
Interpretation  
 $7 \times 4 = 28$   
 $13 + 15 = 28$



Interpretation  
 $12 \times 5 = 60$   
 $29 + 31 = 60$

- |                      |                          |
|----------------------|--------------------------|
| 1) $7 + 5 = 12$      | 11) $11 + 13 = 24$       |
| 2) $15 - 9 = 6$      | 12) $45 - 20 = 25$       |
| 3) $8 - 3 = 5$       | 13) $22 - 10 = 12$       |
| 4) $9 \div 3 = 3$    | 14) $35 \div 7 = 5$      |
| 5) $6 \div 3 = 2$    | 15) $60 \div 12 = 5$     |
| 6) $4 \times 5 = 20$ | 16) $54 \div 6 = 9$      |
| 7) $14 - 3 = 11$     | 17) $56 \div 7 = 8$      |
| 8) $21 \div 3 = 7$   | 18) $99 - 42 = 57$       |
| 9) $25 \div 5 = 5$   | 19) $12 \times 13 = 156$ |
| 10) $30 \div 6 = 5$  | 20) $90 - 60 = 30$       |

### EXERCISE 37



- 1)  $(4 + 6) = 10$   
 $10 - 3 = 7$
- 2)  $(3 + 9) = 12$   
 $12 - 7 = 5$
- 3)  $(13 + 2) - 5 = 15 - 5 = 10$
- 4)  $(7 + 14) - 6 = 21 - 6 = 15$
- 5)  $(12 + 8) - 5 = 20 - 5 = 15$
- 6)  $(10 + 2) - 5 = 12 - 5 = 7$
- 7)  $(20 + 30) - 20 = 50 - 20 = 30$
- 8)  $(11 + 8) - 2 = 19 - 2 = 17$
- 9)  $(15 + 7) - 10 = 22 - 10 = 12$
- 10)  $(20 + 7) - 17 = 27 - 17 = 10$
- 11)  $(9 + 10) - 5 = 19 - 5 = 14$
- 12)  $(11 + 25) - 26 = 36 - 26 = 10$

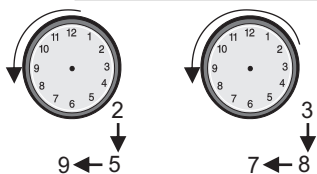
- 13)  $(21 + 9) - 12 = 30 - 12 = 18$
- 14)  $(30 + 10) - 25 = 40 - 25 = 15$
- 15)  $(16 + 4) = 20 - 8 = 12$
- 16)  $(32 + 15) = 47 - 30 = 17$
- 17)  $(65 + 25) - 50 = 90 - 50 = 40$
- 18)  $(20 + 40) - 45 = 60 - 45 = 15$
- 19)  $(3 + 77) - 5 = 80 - 45 = 35$
- 20)  $(9 + 6) - 9 = 15 - 9 = 6$

### EXERCISE 38

- (A)  $5 \parallel 3 = 5 \times 3 = 15$   
 (B)  $5 \parallel\parallel 3 = 5 \times 3 \times 3 = 45$   
 (C)  $3 \parallel\parallel\parallel 2 = 3 \times 2 \times 2 \times 2 \times 2 = 48$

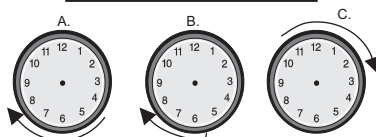
- 1)  $3 \times 2 = 6$
- 2)  $2 \times 3 = 6$
- 3)  $2 \times 3 \times 3 = 18$
- 4)  $3 \times 5 = 15$
- 5)  $5 \times 2 = 10$
- 6)  $5 \times 2 \times 2 = 20$
- 7)  $5 \times 2 \times 2 \times 2 \times 2 = 80$
- 8)  $10 \times 2 = 20$
- 9)  $10 \times 2 \times 2 = 40$
- 10)  $6 \times 5 \times 5 = 54$
- 11)  $7 \times 2 \times 2 = 28$
- 12)  $6 \times 5 \times 5 = 150$
- 13)  $4 \times 3 \times 3 \times 3 \times 3 = 324$
- 14)  $7 \times 5 = 35$
- 15)  $7 \times 5 \times 5 = 175$
- 16)  $21 \times 3 = 63$

### EXERCISE 39



- 1) 8
- 2) 9
- 3) 1
- 4) 9
- 5) 3
- 6) 2
- 7) 7
- 8) 12
- 9) 4
- 10) 11

### EXERCISE 40



- A.  $3 + 5 = 8$   
 B.  $5 + 2 = 7$   
 C.  $9 + 5 = 14$

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

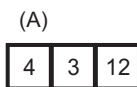
### EXERCISE 41



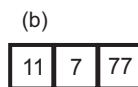
$3 \times 6 = 18 \div 2 = 9$       $5 \times 4 = 20 \div \frac{4}{5} = 25$

- 1)  $(4 \times 6) \div 8 = \frac{24}{8} = 3$
- 2)  $21 \div 3 = 7 \times 6 = 42$
- 3)  $24 \div (10 \div 5) = 12$
- 4)  $(36 \times 3) \div 9 = \frac{108}{9} = 12$
- 5)  $9 \div 1\frac{1}{2} = 6 \times 5 = 30$
- 6)  $15 \div (45 \div 9) = 3$
- 7)  $12 \div 6 = 2 \times 10 = 20$
- 8)  $12 \div 9 = 4/3 \times 6 = 8$

### EXERCISE 42



Interpretation  
 $4 \times 3 = 12$



Interpretation  
 $11 \times 7 = 77$

- 1)  $117 \div 9 = 13$
- 2)  $16 \times 25 = 400$
- 3)  $85 \div 7 = 12$
- 4)  $16 \times 12 = 192$
- 5)  $3 \times 27 = 81$
- 6)  $5 \times 14 = 70$
- 7)  $110 \div 22 = 5$
- 8)  $65 \div 5 = 13$
- 9)  $39 \div 12 = 3\frac{1}{4}$
- 10)  $190 \div 19 = 10$
- 11)  $105 \div 7 = 15$
- 12)  $72 \div 9 = 8$

### EXERCISE 43

(a)

5	45	15
9		30

Interpretation

$$5 \times 9 = 45$$

$$15 + 30 = 45$$

(b)

7	21	9
3		12

$$7 \times 3 = 21$$

$$9 + 12 = 21$$

- 1)  $165 \div 11 = 15$
  - 2)  $96 - 42 = 54$
  - 3)  $35 - 20 = 15$
  - 4)  $13 \times 8 = 104$
  - 5)  $240 \times 1\frac{1}{4} = 300$
  - 6)  $110 \div 10 = 11$
  - 7)  $7 \times 9 = 63$
  - 8)  $160 \div 8 = 20$
  - 9)  $20 - 16 = 4$
  - 10)  $125 \div 80 = 1\frac{5}{8}$
- ( $300 - 120 = 180$ )

### EXERCISE 44

(a)

45	9	3
5		3

$$45 \div 5 = 9$$

$$3 \times 3 = 9$$

(b)

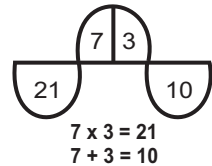
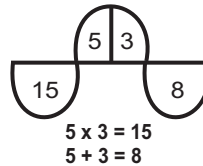
60	20	4
3		5

$$60 \div 3 = 20$$

$$4 \times 5 = 20$$

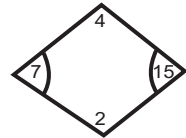
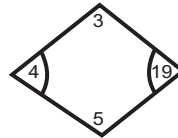
- 1)  $9 \div 3 = 3$
- 2)  $2 \times 3 = 6$
- 3)  $25 \div 5 = 5$
- 4)  $90 \div 10 = 9$
- 5)  $10 \times 20 = 200$
- 6)  $105 \div 7 = 15$
- 7)  $44 \times 3 = 132$
- 8)  $90 \div 10 = 9$
- 9)  $500 \div 10 = 50$
- 10)  $6 \times 10 = 60$

### EXERCISE 45



- 1)  $7 + 5 = 12$
- 2)  $21 - 12 = 9$
- 3)  $9 \times 8 = 72$
- 4)  $20 - 15 = 5$
- 5)  $11 + 12 = 23$
- 6)  $29 - 20 = 9$
- 7)  $20 \times 10 = 100$
- 8)  $27 - 15 = 12$
- 9)  $13 + 9 = 22$
- 10)  $16 - 9 = 7$

### EXERCISE 46



a)  $3 \times 5 = 15 + 4 = 19$   
b)  $4 \times 2 = 8 + 7 = 15$

- 1)  $(17 - 5) \div 4 = 3$
- 2)  $45 - (7 \times 5) = 10$
- 3)  $(9 \times 9) \times 35 = 116$
- 4)  $(134 - 50) \div 7 = 12$
- 5)  $(9 \times 11) + 32 = 131$
- 6)  $175 - (15 \times 7) = 70$
- 7)  $(263 - 74) \div 21 = 9$
- 8)  $(120 - 20) \div 2\frac{2}{3} = 31\frac{1}{2}$
- 9)  $110 - (1\frac{1}{2} \times 20) = 70$
- 10)  $(9 \times 4) + 25 = 61$

### Revision 1

- 1) 17, 21
- 2) 23, 26
- 3) 32, 64
- 4)  $\frac{1}{24}, \frac{1}{3}$
- 5) 25, 32
- 6) 400
- 7) 500
- 8) 2000
- 9) 6000
- 10) 800

## Revision 2

- |        |        |
|--------|--------|
| 1) 30  | 7) 115 |
| 2) 450 | 8) 40  |
| 3) 6   | 9) 25  |
| 4) 250 | 10) 45 |
| 5) 65  | 11) 20 |
| 6) 298 | 12) 32 |

## Revision 3

- |       |       |
|-------|-------|
| 1) 36 | 5) 15 |
| 2) 5  | 6) 6  |
| 3) 7  | 7) 7  |
| 4) 24 | 8) 37 |

## Revision 4

- |       |       |
|-------|-------|
| 1) 42 | 5) 9  |
| 2) 3  | 6) 15 |
| 3) 36 | 7) 11 |
| 4) 4  | 8) 21 |

## Revision 5

- |           |                     |
|-----------|---------------------|
| 1) 718    | 7) 14351            |
| 2) 3724   | 8) 5142             |
| 3) Extent | 9) $\frac{3}{8}$    |
| 4) Meat   | 10) $\frac{1}{6}$   |
| 5) Ten    | 11) $\frac{49}{60}$ |
| 6) Net    | 12) $\frac{21}{28}$ |

## Revision 6

- |                    |                   |
|--------------------|-------------------|
| 1) 12              | 5) $2\frac{2}{3}$ |
| 2) 5               | 6) 10             |
| 3) 30              | 7) 4              |
| 4) $12\frac{1}{2}$ | 8) 8              |