

# ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,

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(Session-2025- 26)

**Class: IV                      Subject: Mathematics      Topic: Unit -3 (Multiplication and Division)**

Questions to be done-

Warm up Page- 41

Ex-1 Q.1 (Book)

Q.2 (b,e)(Notebook)

Q.3 (b) (Notebook)

Ex -2 Q.1,Q.4, Q.5, Q.6, Q.11, Q.12 (Notebook)

Ex -3 Q.1 (Book)

Q.2 (a,c,f)(Notebook)

Q.3 (b,c,e,f) (Notebook)

Ex -4 Q.1 (a, c ) Q.2. (b,d) (Notebook)

Q.3, Q.5, Q.6, Q.7, Q.8 (Notebook)

Ex -5 Q.1, Q.3, Q.4, Q.6, Q.7 (Notebook)

Ex -6 Q.1(Book)

Q.2 (b,d) (Notebook)

Ex -7 Q.1(a,d,f)(Notebook)

Q.2(a,e,f)(Notebook)

Q.3(b,c,d)(Notebook)

Ex -8 Q.1 (a,c,f,g) (Notebook)

Q.3, Q.5 (Notebook)

Ex -9 Q.2, Q.4, Q.5, Q.7 (Notebook)

Ex- 10 Q.1 (Book), Q.3, Q.5 (Notebook)

## Lesson-3 : Multiplication and Division

### Warm Up

48	÷	4	=	12
÷		×		÷
6	×	2	=	12
=		=		=
8	÷	8	=	1

225	÷	5	=	45
÷		×		÷
3	×	15	=	45
=		=		=
75	÷	75	=	1

### Exercise-1

- (a) 185                      (b) 270                      (c) 0                      (d) 0

(e) 928                      (f) 928                      (g) 413                      (h) 68
- (b)  $7 \times (11 + 8) = 7 \times 11 + 7 \times 8 = 77 + 56 = 133$

(c)  $6 \times (15 + 6) = 6 \times 15 + 6 \times 6 = 90 + 36 = 126$

(d)  $4 \times (23 + 5) = 4 \times 23 + 4 \times 5 = 92 + 20 = 112$

(e)  $5 \times (48 + 11) = 5 \times 48 + 5 \times 11 = 240 + 55 = 295$
- (b)  $(11 \times 4) \times 7 = 44 \times 7 = 308$   
 $11 \times (4 \times 7) = 11 \times 28 = 308$   
 $(11 \times 7) \times 4 = 77 \times 4 = 308$

(c)  $(14 \times 9) \times 3 = 126 \times 3 = 378$   
 $14 \times (9 \times 3) = 14 \times 27 = 378$   
 $(14 \times 3) \times 9 = 42 \times 9 = 378$

### Exercise-2

- $15 \times 6 = (10 + 5) \times 6 = 10 \times 6 + 5 \times 6 = 60 + 30 = 90$
- $5 \times 43 = 5 \times (40 + 3) = 5 \times 40 + 5 \times 3 = 200 + 15 = 215$
- $39 \times 8 = (30 + 9) \times 8 = 30 \times 8 + 9 \times 8 = 240 + 72 = 312$
- $27 \times 9 = (20 + 7) \times 9 = 20 \times 9 + 7 \times 9 = 180 + 63 = 243$
- $115 \times 3 = (100 + 10 + 5) \times 3 = 100 \times 3 + 10 \times 3 + 5 \times 3 = 300 + 30 + 15 = 345$
- $455 \times 2 = (400 + 50 + 5) \times 2 = 400 \times 2 + 50 \times 2 + 5 \times 2 = 800 + 100 + 10 = 910$
- $9 \times 515 = 9 \times (500 + 10 + 5) = 9 \times 500 + 9 \times 10 + 9 \times 5 = 4500 + 90 + 45 = 4635$
- $325 \times 7 = (300 + 20 + 5) \times 7 = 300 \times 7 + 20 \times 7 + 5 \times 7 = 2100 + 140 + 35 = 2275$
- $1935 \times 6 = (1000 + 900 + 30 + 5) \times 6 = 1000 \times 6 + 900 \times 6 + 30 \times 6 + 5 \times 6$   
 $= 6000 + 5400 + 180 + 30 = 11610$

- $3 \times 6705 = 3 \times (6000 + 700 + 5) = 3 \times 6000 + 3 \times 700 + 3 \times 5$   
 $= 18000 + 2100 + 15 = 20115$
- $2005 \times 5 = (2000 + 5) \times 5 = 2000 \times 5 + 5 \times 5 = 10000 + 25 = 10025$
- $8903 \times 6 = (8000 + 900 + 3) \times 6 = 8000 \times 6 + 900 \times 6 + 3 \times 6$   
 $= 48000 + 5400 + 18 = 53418$

### Exercise-3

1. (a) (i)  $5217 \times 100 = 521700$   
 (b) (i)  $499 \times 1000 = 499000$
2. (a)  $627 \times 500 = 627 \times 5 \times 100 = (627 \times 5) \times 100 = 3135 \times 100 = 313500$   
 (b)  $99 \times 200 = 99 \times 2 \times 100 = 198 \times 100 = 19800$   
 (c)  $136 \times 400 = 136 \times 4 \times 100 = 544 \times 100 = 54400$   
 (d)  $44 \times 4000 = 44 \times 4 \times 1000 = 176 \times 1000 = 176000$   
 (e)  $1203 \times 700 = 1203 \times 7 \times 100 = 8421 \times 100 = 842100$   
 (f)  $109 \times 6000 = 109 \times 6 \times 1000 = 654 \times 1000 = 654000$
3. (a)  $5 \times 97 \times 20 = 97 \times (5 \times 20) = 97 \times 100 = 9700$   
 (b)  $2 \times 627 \times 50 = 627 \times (2 \times 50) = 627 \times 100 = 62700$   
 (c)  $615 \times 50 \times 2 = 615 \times (50 \times 2) = 615 \times 100 = 61500$   
 (d)  $8 \times 36 \times 125 = 36 \times (8 \times 125) = 36 \times 1000 = 36000$   
 (e)  $729 \times 4 \times 25 = 729 \times (4 \times 25) = 729 \times 100 = 72900$   
 (f)  $4 \times 72 \times 125 = 72 \times (4 \times 125) = 72 \times 500 = 72 \times 5 \times 100 = 360 \times 100 = 36000$

### Exercise-4

1. (a)
 
$$\begin{array}{r}
 819 \\
 \times 208 \\
 \hline
 6552 \\
 0000 \\
 + 163800 \\
 \hline
 170352
 \end{array}$$
- (b)
 
$$\begin{array}{r}
 555 \\
 \times 145 \\
 \hline
 2775 \\
 22200 \\
 + 55500 \\
 \hline
 80475
 \end{array}$$
- (c)
 
$$\begin{array}{r}
 3224 \\
 \times 274 \\
 \hline
 12896 \\
 225680 \\
 + 644800 \\
 \hline
 883376
 \end{array}$$
- (d)
 
$$\begin{array}{r}
 6724 \\
 \times 92 \\
 \hline
 13448 \\
 + 605160 \\
 \hline
 618608
 \end{array}$$

2. (a)
 
$$\begin{array}{r}
 1732 \\
 \times 48 \\
 \hline
 13856 \\
 + 69280 \\
 \hline
 83136
 \end{array}$$
- (b)
 
$$\begin{array}{r}
 2547 \\
 \times 87 \\
 \hline
 17829 \\
 + 203760 \\
 \hline
 221589
 \end{array}$$
- (c)
 
$$\begin{array}{r}
 245 \\
 \times 155 \\
 \hline
 1225 \\
 12250 \\
 + 24500 \\
 \hline
 37975
 \end{array}$$
- (d)
 
$$\begin{array}{r}
 679 \\
 \times 234 \\
 \hline
 2716 \\
 20370 \\
 + 135800 \\
 \hline
 158886
 \end{array}$$

3. Cost of a chair = ₹ 485  
 $\therefore$  Total cost of 24 chairs = ₹ 485  $\times$  24  
= ₹ 11640  
Thus, the total cost of 24 chairs is ₹ 11,640.
4. Cost of one DVD player = ₹ 2485  
 $\therefore$  Total cost of 32 DVD players = ₹ 2485  $\times$  32  
= ₹ 79,520  
Thus, the total cost of 32 DVD players is ₹ 79,520.
5. Weight of a box = 8485 g  
 $\therefore$  Total weight of 45 boxes = (8485  $\times$  45) g  
= 381825 g  
Thus, the total weight of 45 boxes is 381825 g.
6. Monthly fee = ₹ 2550  
Yearly fee = ₹ 2550  $\times$  12 = ₹ 30,600  
Thus, each student will pay ₹ 30,600 in a year.
7. Weight of one watermelon = 3458 g  
 $\therefore$  Total weight of 24 watermelons = (3458  $\times$  24) g  
= 82992 g  
Thus, the weight of 24 watermelons is 82992 g.

$$\begin{array}{r} 485 \\ \times 24 \\ \hline 1940 \\ + 9700 \\ \hline 11640 \end{array}$$

$$\begin{array}{r} 2485 \\ \times 32 \\ \hline 4970 \\ + 74550 \\ \hline 79520 \end{array}$$

$$\begin{array}{r} 8485 \\ \times 45 \\ \hline 42425 \\ + 339400 \\ \hline 381825 \end{array}$$

$$\begin{array}{r} 2550 \\ \times 12 \\ \hline 5100 \\ + 25500 \\ \hline 30600 \end{array}$$

$$\begin{array}{r} 3458 \\ \times 24 \\ \hline 13832 \\ + 69160 \\ \hline 82992 \end{array}$$

8. 1 year = 365 days = 365  $\times$  24 hours [  $\because$  1 day = 24 hours]  
= 8760 hours

$$\begin{array}{r} 365 \\ \times 24 \\ \hline 1460 \\ + 7300 \\ \hline 8760 \end{array}$$

Thus, there are 8760 hours in one year.

9. Weight of one football = 288 g  
 $\therefore$  Total weight of 175 footballs = (288  $\times$  175) g  
= 50400 g

$$\begin{array}{r} 288 \\ \times 175 \\ \hline 1440 \\ 20160 \\ + 28800 \\ \hline 50400 \end{array}$$

Thus, the total weight of 175 footballs is 50400 g.

### Logical Reasoning

(a)

$$\begin{array}{r} \phantom{00}6\phantom{0}7 \\ \times \phantom{00}1\phantom{0}9 \\ \hline 6\phantom{0}0\phantom{0}3 \\ 6\phantom{0}7\phantom{0}0 \\ \hline 1\phantom{0}2\phantom{0}7\phantom{0}3 \end{array}$$

(b)

$$\begin{array}{r} \phantom{00}6\phantom{0}2\phantom{0}7 \\ \times \phantom{00}2\phantom{0}4 \\ \hline 2\phantom{0}5\phantom{0}0\phantom{0}8 \\ 1\phantom{0}2\phantom{0}5\phantom{0}4\phantom{0}0 \\ \hline 1\phantom{0}5\phantom{0}0\phantom{0}4\phantom{0}8 \end{array}$$

## Exercise-5

1. 45 is rounded off to 50 (nearest tens) and 32 is rounded off to 30 (nearest tens).

$$50 \times 30 = 1500$$

Thus, the estimated product is 1500.

2. 645 is rounded off to 600 (nearest hundreds).

$$600 \times 5 = 3000$$

Thus, the estimated product is 3000.

3. 524 is rounded off to 500 (nearest hundreds) and 62 is rounded off to 60 (nearest tens).  $500 \times 60 = 30000$

Thus, the estimated product is 30000.

4. 169 is rounded off to 200 (nearest hundreds) and 53 is rounded off to 50 (nearest tens).  $200 \times 50 = 10000$

Thus, the estimated product is 10000.

5. 81 is rounded off to 80 (nearest tens) and 67 is rounded off to 70 (nearest tens).  $80 \times 70 = 5600$

Thus, the estimated product is 5600.



6. 786 is rounded off to 800 (nearest hundreds).  $800 \times 6 = 4800$

Thus, the estimated product is 4800.

7. 103 is rounded off to 100 (nearest hundreds) and 23 is rounded off to 20 (nearest tens).  $100 \times 20 = 2000$

Thus, the estimated product is 2000.

8. 528 is rounded off to 500 (nearest hundreds) and 69 is rounded off to 70 (nearest tens).  $500 \times 70 = 35000$

Thus, the estimated product is 35000.

## Critical Thinking

There are 3 rooms in each flat.

Number of tiles required for each flat

$$= 2 \times 81 + 1 \times 75 = 162 + 75 = 237$$

$$\text{Number of tiles required for 25 flats} = 237 \times 25 = 5925$$

$$\begin{array}{r} 237 \\ \times 25 \\ \hline 1185 \\ + 4740 \\ \hline 5925 \end{array}$$



### Exercise-6

1. (a) 928      (b) 0      (c) 888      (d) 0

2. (a)

$$\begin{array}{r}
 65 \\
 5 \overline{) 328} \\
 \underline{-30} \phantom{0} \\
 28 \\
 \underline{-25} \\
 3
 \end{array}$$

Q = 65,  
R = 3

**Checking :**

$$\begin{aligned}
 &\text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 5 \times 65 + 3 \\
 &= 325 + 3 \\
 &= 328 = \text{Dividend}
 \end{aligned}$$

(b)

$$\begin{array}{r}
 88 \\
 7 \overline{) 617} \\
 \underline{-56} \phantom{0} \\
 57 \\
 \underline{-56} \\
 1
 \end{array}$$

Q = 88,  
R = 1

**Checking :**

$$\begin{aligned}
 &\text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 7 \times 88 + 1 \\
 &= 616 + 1 \\
 &= 617 = \text{Dividend}
 \end{aligned}$$

(c)

$$\begin{array}{r}
 49 \\
 6 \overline{) 299} \\
 \underline{-24} \phantom{0} \\
 59 \\
 \underline{-54} \\
 5
 \end{array}$$

Q = 49,  
R = 5

**Checking :**

$$\begin{aligned}
 &\text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 6 \times 49 + 5 \\
 &= 294 + 5 \\
 &= 299 = \text{Dividend}
 \end{aligned}$$

(d)

$$\begin{array}{r}
 62 \\
 9 \overline{) 565} \\
 \underline{-54} \phantom{0} \\
 25 \\
 \underline{-18} \\
 7
 \end{array}$$

Q = 62,  
R = 7

**Checking :**

$$\begin{aligned}
 &\text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 9 \times 62 + 7 \\
 &= 558 + 7 \\
 &= 565 = \text{Dividend}
 \end{aligned}$$

### Exercise-7

1. On dividing a number by 10, the quotient is obtained by removing the ones digit from the number. The ones digit forms the remainder.

- (a) Q = 8, R = 9      (b) Q = 99, R = 8      (c) Q = 152, R = 4  
(d) Q = 108, R = 9      (e) Q = 5215, R = 4      (f) Q = 787, R = 8

2. On dividing a number by 100, the quotient is obtained by removing the tens and ones digits from the number. The number formed by the removed tens and ones digits is the remainder.

- (a) Q = 9, R = 57      (b) Q = 81, R = 72      (c) Q = 67, R = 88  
(d) Q = 54, R = 56      (e) Q = 999, R = 99      (f) Q = 423, R = 41

3. On dividing a number by 1000, the quotient is obtained by removing the hundreds, tens and ones digits from the number. The number formed by the removed hundreds, tens and ones digits is the remainder.

- (a) Q = 4, R = 723      (b) Q = 8, R = 927      (c) Q = 72, R = 873  
(d) Q = 67, R = 171      (e) Q = 38, R = 287      (f) Q = 79, R = 202

## Exercise-8

1. (a)

$$\begin{array}{r} 531 \\ 9 \overline{) 4787} \\ \underline{-45} \phantom{00} \\ 28 \phantom{00} \\ \underline{-27} \phantom{00} \\ 17 \phantom{00} \\ \underline{-9} \phantom{00} \\ 8 \end{array}$$

$$\begin{aligned} Q &= 531, \\ R &= 8 \end{aligned}$$

**Checking :**

$$\begin{aligned} \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 9 \times 531 + 8 \\ &= 4779 + 8 = 4787 = \text{Dividend} \end{aligned}$$

$$\begin{array}{r} \textcircled{2} \\ 531 \\ \times 9 \\ \hline 4779 \end{array}$$

(b)

$$\begin{array}{r} 2310 \\ 6 \overline{) 13865} \\ \underline{-12} \phantom{00} \\ 18 \phantom{00} \\ \underline{-18} \phantom{00} \\ 06 \phantom{00} \\ \underline{-6} \phantom{00} \\ 05 \phantom{00} \\ \underline{-0} \phantom{00} \\ 5 \end{array}$$

$$\begin{aligned} Q &= 2310, \\ R &= 5 \end{aligned}$$

**Checking :**

$$\begin{aligned} \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 6 \times 2310 + 5 \\ &= 13860 + 5 = 13865 = \text{Dividend} \end{aligned}$$

$$\begin{array}{r} \textcircled{1} \\ 2310 \\ \times 6 \\ \hline 13860 \end{array}$$

(c)

$$\begin{array}{r} 29 \\ 12 \overline{) 348} \\ \underline{-24} \phantom{00} \\ 108 \phantom{00} \\ \underline{-108} \phantom{00} \\ 0 \end{array}$$

$$\begin{aligned} Q &= 29, \\ R &= 0 \end{aligned}$$

**Checking :**

$$\begin{aligned} \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 12 \times 29 + 0 = 348 \\ &= \text{Dividend} \end{aligned}$$

$$\begin{array}{r} 29 \\ \times 12 \\ \hline 58 \\ + 290 \\ \hline 348 \end{array}$$

(d)

$$\begin{array}{r} 50 \\ 15 \overline{) 759} \\ \underline{-75} \phantom{00} \\ 09 \phantom{00} \\ \underline{-0} \phantom{00} \\ 9 \end{array}$$

$$\begin{aligned} Q &= 50, \\ R &= 9 \end{aligned}$$

**Checking :**

$$\begin{aligned} \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 15 \times 50 + 9 = 750 + 9 \\ &= 759 = \text{Dividend} \end{aligned}$$

$$\begin{array}{r} 50 \\ \times 15 \\ \hline 250 \\ + 500 \\ \hline 750 \end{array}$$

(e)

$$\begin{array}{r} 273 \\ 34 \overline{) 9289} \\ \underline{-68} \phantom{00} \\ 248 \phantom{00} \\ \underline{-238} \phantom{00} \\ 109 \phantom{00} \\ \underline{-102} \phantom{00} \\ 7 \end{array}$$

$$\begin{aligned} Q &= 273, \\ R &= 7 \end{aligned}$$

**Checking :**

$$\begin{aligned} \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 34 \times 273 + 7 = 9282 + 7 \\ &= 9289 = \text{Dividend} \end{aligned}$$

$$\begin{array}{r} 273 \\ \times 34 \\ \hline 1092 \\ + 8190 \\ \hline 9282 \end{array}$$

(f)

$$\begin{array}{r}
 246 \\
 36 \overline{) 8888} \\
 \underline{-72} \phantom{00} \\
 168 \phantom{00} \\
 \underline{-144} \phantom{00} \\
 248 \phantom{00} \\
 \underline{-216} \phantom{00} \\
 32
 \end{array}$$

Q = 246,  
R = 32

**Checking :**  
 Divisor  $\times$  Quotient + Remainder  
 $= 36 \times 246 + 32 = 8856 + 32$   
 $= 8888 = \text{Dividend}$

$$\begin{array}{r}
 246 \\
 \times 36 \\
 \hline
 1476 \\
 + 7380 \\
 \hline
 8856
 \end{array}$$

(g)

$$\begin{array}{r}
 188 \\
 42 \overline{) 7896} \\
 \underline{-42} \phantom{00} \\
 369 \phantom{00} \\
 \underline{-336} \phantom{00} \\
 336 \phantom{00} \\
 \underline{-336} \phantom{00} \\
 0
 \end{array}$$

Q = 188,  
R = 0

**Checking :**  
 Divisor  $\times$  Quotient + Remainder  
 $= 42 \times 188 + 0 = 7896 = \text{Dividend}$

$$\begin{array}{r}
 188 \\
 \times 42 \\
 \hline
 376 \\
 + 7520 \\
 \hline
 7896
 \end{array}$$

(h)

$$\begin{array}{r}
 1754 \\
 38 \overline{) 66666} \\
 \underline{-38} \phantom{000} \\
 286 \phantom{000} \\
 \underline{-266} \phantom{000} \\
 206 \phantom{000} \\
 \underline{-190} \phantom{000} \\
 166 \phantom{000} \\
 \underline{-152} \phantom{000} \\
 14
 \end{array}$$

Q = 1754,  
R = 14

**Checking :**  
 Divisor  $\times$  Quotient + Remainder  
 $= 38 \times 1754 + 14 = 66652 + 14$   
 $= 66666 = \text{Dividend}$

$$\begin{array}{r}
 1754 \\
 \times 38 \\
 \hline
 14032 \\
 + 52620 \\
 \hline
 66652
 \end{array}$$

2. Other number =  $4560 \div 15$   
 $= 304$

$$\begin{array}{r}
 304 \\
 15 \overline{) 4560} \\
 \underline{-45} \phantom{00} \\
 06 \phantom{00} \\
 \underline{-0} \phantom{00} \\
 60 \phantom{00} \\
 \underline{-60} \phantom{00} \\
 0
 \end{array}$$

Thus, the other number is 304.

3. Number of balls in each box =  $5255 \div 34$   
 On dividing 5255 by 34, we get 154 as the quotient and 19 as the remainder.

Thus, 154 balls will be filled in each box and 19 balls will be left out.

$$\begin{array}{r}
 154 \\
 34 \overline{) 5255} \\
 \underline{-34} \phantom{00} \\
 185 \phantom{00} \\
 \underline{-170} \phantom{00} \\
 155 \phantom{00} \\
 \underline{-136} \phantom{00} \\
 19
 \end{array}$$



5. Here, Divisor = 25, Quotient = 171, Remainder = 10

$$\begin{aligned}\therefore \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 25 \times 171 + 10 = 4275 + 10 = 4285\end{aligned}$$

So, the number is 4285.

### Critical Thinking

The greatest 5-digit number is 99999.

$99999 \div 14$  gives 7142 as the quotient and 11 as the remainder.

Now,  $99999 - 11 = 99988$ , which is exactly divisible by 14.

So, the greatest 5-digit number exactly divisible by 14 is 99988.

$$\begin{array}{r} 171 \\ \times 25 \\ \hline 855 \\ + 3420 \\ \hline 4275 \\ \hline \end{array}$$
  

$$\begin{array}{r} 7142 \\ 14 \overline{) 99999} \\ \underline{-98} \phantom{00} \\ 19 \phantom{00} \\ \underline{-14} \phantom{00} \\ 59 \phantom{00} \\ \underline{-56} \phantom{00} \\ 39 \phantom{00} \\ \underline{-38} \phantom{00} \\ 11 \phantom{00} \end{array}$$

### Exercise-9

- 134 is rounded off to 100 (nearest hundreds) and 22 is rounded off to 20 (nearest tens).  
 $100 \div 20 = 5$ . So, the quotient is about 5.
- 179 is rounded off to 200 (nearest hundreds) and 18 is rounded off to 20 (nearest tens).  
 $200 \div 20 = 10$ . So, the quotient is about 10.
- 393 is rounded off to 400 (nearest hundreds) and 17 is rounded off to 20 (nearest tens).  
 $400 \div 20 = 20$ . So, the quotient is about 20.
- 201 is rounded off to 200 (nearest hundreds) and 47 is rounded off to 50 (nearest tens).  
 $200 \div 50 = 4$ . So, the quotient is about 4.
- 198 is rounded off to 200 (nearest hundreds) and 9 is rounded off to 10 (nearest tens).  
 $200 \div 10 = 20$ . So, the quotient is about 20.
- 438 is rounded off to 400 (nearest hundreds) and 24 is rounded off to 20 (nearest tens).  
 $400 \div 20 = 20$ . So, the quotient is about 20.
- 579 is rounded off to 600 (nearest hundreds) and 35 is rounded off to 40 (nearest tens).  
 $600 \div 40 = 15$ . So, the quotient is about 15.
- 810 is rounded off to 800 (nearest hundreds) and 52 is rounded off to 50 (nearest tens).  
 $800 \div 50 = 16$ . So, the quotient is about 16.

## Exercise-10

1. (a) (iv) Length of the wall painted in 7 days = 28 m  
Length of the wall painted in 1 day =  $28 \text{ m} \div 7 = 4 \text{ m}$   
Length of the wall painted in 4 days =  $4 \text{ m} \times 4 = 16 \text{ m}$   
Thus, Deepak painted 16 m wall in the first 4 days.
- (b) (ii) The cost of 12 bananas = ₹ 48  
 $\therefore$  The cost of 1 banana =  $\text{₹ } 48 \div 12 = \text{₹ } 4$   
 $\therefore$  The cost of 8 bananas =  $\text{₹ } 4 \times 8 = \text{₹ } 32$
- (c) (iii) The weight of one box of apples = 5 kg  
The weight of 8 boxes of apples =  $8 \times 5 \text{ kg} = 40 \text{ kg}$
- (d) (ii) The cost of 10 books = ₹ 900  
 $\therefore$  The cost of 1 book =  $\text{₹ } 900 \div 10 = \text{₹ } 90$   
 $\therefore$  The cost of 18 books =  $\text{₹ } 90 \times 18 = \text{₹ } 1620$
2. Time taken to fill 11 buckets of water = 77 min  
Time taken to fill 1 bucket of water =  $77 \text{ minutes} \div 11 = 7 \text{ minutes}$   
Time taken to fill 7 buckets =  $7 \times 7 \text{ minutes} = 49 \text{ minutes}$   
So, it will take 49 minutes to fill the buckets.
3. Number of people carried by 4 boats = 64  
Number of people carried by 1 boat =  $64 \div 4 = 16$   
Number of people carried by 9 boats =  $16 \times 9 = 144$   
Thus, 144 people can be carried in 9 boats.
4. Cost of 8 television sets = ₹ 68,000  
 $\therefore$  Cost of 1 television set =  $\text{₹ } 68,000 \div 8 = \text{₹ } 8500$   
 $\therefore$  Cost of 18 television sets =  $\text{₹ } 8500 \times 18 = \text{₹ } 1,53,000$   
Thus, the cost of 18 television sets is ₹ 1,53,000.
5. The weight of 12 apples = 3060 g  
 $\therefore$  The weight of 1 apple =  $3060 \text{ g} \div 12 = 255 \text{ g}$   
 $\therefore$  The weight of 20 apples =  $255 \text{ g} \times 20 = 5100 \text{ g}$   
Thus, the weight of 20 apples will be 5100 g.