

St. Andrews Scots Sr. Sec. School

I.P.Extension, Patparganj, Delhi- 110092

Session:2026-2027

Subject: Mathematics

Class: III

Unit-5 (Multiplication)

Questions to be done:

Ex 5A: - Book

Ex 5B: - Q2 a, c, e in Notebook

Ex 5C: - Q2 b, c in Notebook

Ex 5D: - in Book

Ex 5E: - Q2 a, d, f, g in Notebook

Ex 5F: - Q2 a, b, g, h in Notebook

Ex 5G: - Q1,3,4,5,8 in Notebook

Review Time

Worksheet

Activity

Solutions

Exercise 5A

1. (a) $2 + 2 + 2 + 2 + 2 = \underline{10}$
 $5 \times 2 = \underline{10}$
(c) $8 + \underline{8} + \underline{8} + \underline{8} + \underline{8} + \underline{8} + \underline{8} = \underline{56}$
 $7 \times 8 = \underline{56}$
- (b) $7 + 7 + 7 = \underline{21}$
 $3 \times \underline{7} = \underline{21}$
(d) $6 + \underline{6} + \underline{6} + \underline{6} = \underline{24}$
 $4 \times 6 = \underline{24}$
2. (a) 24 (b) 56 (c) 70 (d) 11 (e) 0
(f) 63 (g) 64 (h) 24 (i) 42
3. (a) $3 \times \underline{6} = 18$ (b) $7 \times \underline{1} = 7$ (c) $\underline{4} \times 8 = 32$
(d) $4 \times \underline{1} = 4$ (e) $10 \times \underline{0} = 0$ (f) $9 \times \underline{0} = 0$

4. (b) $4 \times 6 = 24$
 Product = 24
 Multiplicand = 4
 Multiplier = 6
- (c) $9 \times 7 = 63$
 Product = 63
 Multiplicand = 9
 Multiplier = 7
- (d) $6 \times 8 = 48$
 Product = 48
 Multiplicand = 6
 Multiplier = 8
- (e) $7 \times 6 = 42$
 Product = 42
 Multiplicand = 7
 Multiplier = 6
- (f) $8 \times 9 = 72$
 Product = 72
 Multiplicand = 8
 Multiplier = 9

Exercise 5B

1. (a)
$$\begin{array}{r} 201 \\ \times \quad 3 \\ \hline 603 \end{array}$$
- (b)
$$\begin{array}{r} 405 \\ \times \quad 2 \\ \hline 810 \end{array}$$
- (c)
$$\begin{array}{r} 612 \\ \times \quad 2 \\ \hline 1224 \end{array}$$
- (d)
$$\begin{array}{r} 415 \\ \times \quad 8 \\ \hline 3320 \end{array}$$
- (e)
$$\begin{array}{r} 237 \\ \times \quad 7 \\ \hline 1659 \end{array}$$
- (f)
$$\begin{array}{r} 813 \\ \times \quad 2 \\ \hline 1626 \end{array}$$
- (g)
$$\begin{array}{r} 612 \\ \times \quad 3 \\ \hline 1836 \end{array}$$
- (h)
$$\begin{array}{r} 701 \\ \times \quad 4 \\ \hline 2804 \end{array}$$
- (i)
$$\begin{array}{r} 531 \\ \times \quad 4 \\ \hline 2124 \end{array}$$
2. (a)
$$\begin{array}{r} 214 \\ \times \quad 7 \\ \hline 1498 \end{array}$$
- (b)
$$\begin{array}{r} 417 \\ \times \quad 3 \\ \hline 1251 \end{array}$$
- (c)
$$\begin{array}{r} 325 \\ \times \quad 2 \\ \hline 650 \end{array}$$
- (d)
$$\begin{array}{r} 248 \\ \times \quad 2 \\ \hline 496 \end{array}$$
- (e)
$$\begin{array}{r} 117 \\ \times \quad 3 \\ \hline 351 \end{array}$$

Exercise 5C

1. (a)

Th	H	T	O
1	2	2	1
			$\times 4$
4	8	8	4
- (b)

Th	H	T	O
3	2	3	2
			$\times 3$
9	6	9	6
- (c)

Th	H	T	O
3	2	0	1
			$\times 2$
6	4	0	2
- (d)

Th	H	T	O
①	③	①	
1	2	5	2
			$\times 6$
7	5	1	2
- (e)

Th	H	T	O
②	②		
2	7	7	3
			$\times 3$
8	3	1	9
- (f)

Th	H	T	O
②		②	
1	3	1	4
			$\times 7$
9	1	9	8

2. (a)

Th	H	T	O
①	①	②	
1	3	2	4
			$\times 6$
7	9	4	4

 Thus, $1324 \times 6 = 7944$
- (b)

Th	H	T	O
①	②	⑤	
1	1	2	7
			$\times 8$
9	0	1	6

 Thus, $1127 \times 8 = 9016$
- (c)

Th	H	T	O
		①	
4	4	2	6
			$\times 2$
8	8	5	2

 Thus, $4426 \times 2 = 8852$
- (d)

Th	H	T	O
		②	
3	1	2	9
			$\times 3$
9	3	8	7

 Thus, $3129 \times 3 = 9387$

Exercise 5D

1. (a) $64 \times 10 = \underline{640}$ (b) $35 \times 10 = \underline{350}$ (c) $53 \times 10 = \underline{530}$
- (d) $193 \times 10 = \underline{1930}$ (e) $274 \times 10 = \underline{2740}$ (f) $333 \times 10 = \underline{3330}$
- (g) $717 \times 10 = \underline{7170}$ (h) $812 \times 10 = \underline{8120}$ (i) $432 \times 10 = \underline{4320}$

2. (a) $8 \times 100 = 800$ (b) $12 \times 100 = 1200$ (c) $23 \times 100 = 2300$
 (d) $3 \times 100 = 300$ (e) $73 \times 100 = 7300$ (f) $71 \times 100 = 7100$
3. (a) $3 \times 1000 = 3000$ (b) $4 \times 2000 = 8000$ (c) $9 \times 1000 = 9000$
 (d) $1 \times 3000 = 3000$ (e) $2 \times 3000 = 6000$ (f) $2 \times 2000 = 4000$

Exercise 5E

1. (a)
$$\begin{array}{r} 84 \\ \times 22 \\ \hline 168 \\ 1680 \\ \hline 1848 \end{array}$$
- (b)
$$\begin{array}{r} 63 \\ \times 35 \\ \hline 315 \\ 1890 \\ \hline 2205 \end{array}$$
- (c)
$$\begin{array}{r} 12 \\ \times 12 \\ \hline 24 \\ 120 \\ \hline 144 \end{array}$$
- (d)
$$\begin{array}{r} 38 \\ \times 14 \\ \hline 152 \\ 380 \\ \hline 532 \end{array}$$
- (e)
$$\begin{array}{r} 35 \\ \times 19 \\ \hline 315 \\ 350 \\ \hline 665 \end{array}$$
- (f)
$$\begin{array}{r} 47 \\ \times 74 \\ \hline 188 \\ 3290 \\ \hline 3478 \end{array}$$
- (g)
$$\begin{array}{r} 19 \\ \times 27 \\ \hline 133 \\ 380 \\ \hline 513 \end{array}$$
- (h)
$$\begin{array}{r} 64 \\ \times 19 \\ \hline 576 \\ 640 \\ \hline 1216 \end{array}$$
- (i)
$$\begin{array}{r} 54 \\ \times 62 \\ \hline 108 \\ 3240 \\ \hline 3348 \end{array}$$
2. (a)
$$\begin{array}{r} 49 \\ \times 18 \\ \hline 392 \\ 490 \\ \hline 882 \end{array}$$
- (b)
$$\begin{array}{r} 56 \\ \times 65 \\ \hline 280 \\ 3360 \\ \hline 3640 \end{array}$$
- (c)
$$\begin{array}{r} 83 \\ \times 27 \\ \hline 581 \\ 1660 \\ \hline 2241 \end{array}$$
- (d)
$$\begin{array}{r} 24 \\ \times 26 \\ \hline 144 \\ 480 \\ \hline 624 \end{array}$$
- (e)
$$\begin{array}{r} 32 \\ \times 22 \\ \hline 64 \\ 640 \\ \hline 704 \end{array}$$
- (f)
$$\begin{array}{r} 74 \\ \times 74 \\ \hline 296 \\ 5180 \\ \hline 5476 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad \begin{array}{r} 5 \ 0 \\ \times 4 \ 0 \\ \hline 0 \ 0 \\ 2 \ 0 \ 0 \ 0 \\ \hline 2 \ 0 \ 0 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad \begin{array}{r} 3 \ 6 \\ \times 4 \ 3 \\ \hline 1 \ 0 \ 8 \\ 1 \ 4 \ 4 \ 0 \\ \hline 1 \ 5 \ 4 \ 8 \end{array}
 \end{array}$$

Exercise 5F

$$\begin{array}{r}
 1. \text{ (a)} \quad \begin{array}{r} 1 \ 2 \ 3 \\ \times 1 \ 2 \\ \hline 2 \ 4 \ 6 \\ 1 \ 2 \ 3 \ 0 \\ \hline 1 \ 4 \ 7 \ 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b)} \quad \begin{array}{r} 2 \ 4 \ 6 \\ \times 1 \ 3 \\ \hline 7 \ 3 \ 8 \\ 2 \ 4 \ 6 \ 0 \\ \hline 3 \ 1 \ 9 \ 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c)} \quad \begin{array}{r} 2 \ 1 \ 4 \\ \times 2 \ 3 \\ \hline 6 \ 4 \ 2 \\ 4 \ 2 \ 8 \ 0 \\ \hline 4 \ 9 \ 2 \ 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad \begin{array}{r} 2 \ 1 \ 6 \\ \times 3 \ 5 \\ \hline 1 \ 0 \ 8 \ 0 \\ 6 \ 4 \ 8 \ 0 \\ \hline 7 \ 5 \ 6 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad \begin{array}{r} 4 \ 1 \ 5 \\ \times 2 \ 2 \\ \hline 8 \ 3 \ 0 \\ 8 \ 3 \ 0 \ 0 \\ \hline 9 \ 1 \ 3 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad \begin{array}{r} 3 \ 5 \ 0 \\ \times 1 \ 7 \\ \hline 2 \ 4 \ 5 \ 0 \\ 3 \ 5 \ 0 \ 0 \\ \hline 5 \ 9 \ 5 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 2. \text{ (a)} \quad \begin{array}{r} 1 \ 8 \ 7 \\ \times 2 \ 4 \\ \hline 7 \ 4 \ 8 \\ 3 \ 7 \ 4 \ 0 \\ \hline 4 \ 4 \ 8 \ 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b)} \quad \begin{array}{r} 3 \ 1 \ 6 \\ \times 1 \ 5 \\ \hline 1 \ 5 \ 8 \ 0 \\ 3 \ 1 \ 6 \ 0 \\ \hline 4 \ 7 \ 4 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c)} \quad \begin{array}{r} 1 \ 4 \ 4 \\ \times 4 \ 4 \\ \hline 5 \ 7 \ 6 \\ 5 \ 7 \ 6 \ 0 \\ \hline 6 \ 3 \ 3 \ 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad \begin{array}{r} 1 \ 6 \ 6 \\ \times 1 \ 2 \\ \hline 3 \ 3 \ 2 \\ 1 \ 6 \ 6 \ 0 \\ \hline 1 \ 9 \ 9 \ 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad \begin{array}{r} 2 \ 2 \ 5 \\ \times 1 \ 3 \\ \hline 6 \ 7 \ 5 \\ 2 \ 2 \ 5 \ 0 \\ \hline 2 \ 9 \ 2 \ 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad \begin{array}{r} 3 \ 2 \ 3 \\ \times 2 \ 6 \\ \hline 1 \ 9 \ 3 \ 8 \\ 6 \ 4 \ 6 \ 0 \\ \hline 8 \ 3 \ 9 \ 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad \begin{array}{r} 5 \ 1 \ 0 \\ \times 3 \ 9 \\ \hline 4 \ 5 \ 9 \ 0 \\ 1 \ 5 \ 3 \ 0 \ 0 \\ \hline 1 \ 9 \ 8 \ 9 \ 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad \begin{array}{r} 6 \ 2 \ 9 \\ \times 8 \ 5 \\ \hline 3 \ 1 \ 4 \ 5 \\ 5 \ 0 \ 3 \ 2 \ 0 \\ \hline 5 \ 3 \ 4 \ 6 \ 5 \end{array}
 \end{array}$$

Exercise 5G

1. No. of flats in 1 block = 172
No. of flats in 15 blocks = 172×15
Total no. of flats in 15 blocks = 2580.
- $$\begin{array}{r} 172 \\ \times 15 \\ \hline 860 \\ 1720 \\ \hline 2580 \end{array}$$
2. No. of pages read by Shruti in 1 hour = 15 pages
No. of pages read by Shruti in 23 hours = 15×23
So, Total number of pages read by Shruti in 23 hours = 345 pages
- $$\begin{array}{r} 15 \\ \times 23 \\ \hline 45 \\ 300 \\ \hline 345 \end{array}$$
3. No. of hours in 1 day = 24
No of hours in 31 days = 31×24
Thus, in one month number of hours = 744.
- $$\begin{array}{r} 31 \\ \times 24 \\ \hline 124 \\ 620 \\ \hline 744 \end{array}$$
4. In 1 minute the number of heart beats = 72
In 72 minutes the number of heart beats = 72×72
So, in 72 minutes, the no. of heart beats = 5084.
- $$\begin{array}{r} 72 \\ \times 72 \\ \hline 144 \\ 5040 \\ \hline 5184 \end{array}$$
5. 1 month = 4 weeks
4 months = $4 \times 4 = 16$ weeks.
No. of apples donated by Ruchi in 1 week = 25
No. of apples donated by Ruchi in 16 weeks = 25×16
So, total number of apples donated by Ruchi in 4 months = 400.
- $$\begin{array}{r} 25 \\ \times 16 \\ \hline 150 \\ 250 \\ \hline 400 \end{array}$$
6. Weight of 1 wheat bag = 24 kg
Weight of 125 wheat bags = 125×24
So, weight of 125 wheat bags = 3000 kg.
- $$\begin{array}{r} 125 \\ \times 24 \\ \hline 500 \\ 2500 \\ \hline 3000 \end{array}$$

$$\begin{array}{r}
 7. \text{ Cost of 1 pen set} = ₹ 234. \quad 234 \\
 \text{Cost of 15 pen sets} = 234 \times 15 \quad \times 15 \\
 \hline
 1170 \\
 \text{So, cost of 15 pen sets} = ₹ 3510. \quad 2340 \\
 \hline
 3510
 \end{array}$$

$$\begin{array}{r}
 8. \text{ In a bus, number of passengers that can travel} = 52 \quad 52 \\
 \text{In 42 buses number of passengers that can travel} = 52 \times 42 \quad \times 42 \\
 \hline
 104 \\
 \text{So, total no. of passengers that can travel in 42 buses} = 2184. \quad 2080 \\
 \hline
 2184
 \end{array}$$

$$\begin{array}{r}
 9. \text{ In 1 hour, number of cans produced} = 325 \quad 325 \\
 \text{In 21 hours, number of cans produced} = 325 \times 21 \quad \times 21 \\
 \hline
 325 \\
 \text{So, no. of cans produced in 21 hours} = 6825 \quad 6500 \\
 \hline
 6825
 \end{array}$$

$$\begin{array}{r}
 10. \text{ Cost of 1 chair} = ₹ 475 \quad 475 \\
 \text{Cost of 12 chairs} = 475 \times 12 \quad \times 12 \\
 \hline
 950 \\
 \text{So, cost of 12 chairs} = ₹ 5700. \quad 4750 \\
 \hline
 5700
 \end{array}$$

Review Time

I. 1. (c) 2. (a) 3. (a) 4. (b) 5. (c)

6. (c) 7. (b) 8. (a) 9. (c) 10. (a)

II. 1. 18 2. 0 3. 7 4. 400 5. 1000 6. 680

III. 1. (a) 2. (b) 3. (c)