



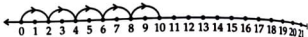
Multiplication

Exercise-1

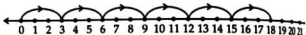
- $3 + 3 + 3 + 3 + 3 + 3 + 3 = 7 \times 3 = 21$
- $6 + 6 + 6 + 6 = 4 \times 6 = 24$
- $7 + 7 + 7 + 7 + 7 = 5 \times 7 = 35$
- $8 + 8 + 8 + 8 + 8 + 8 = 6 \times 8 = 48$

Exercise-2

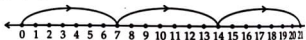
1. $5 \times 2 = 10$



2. $6 \times 3 = 18$



3. $3 \times 7 = 21$



Exercise-3

1.
$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$

2.
$$\begin{array}{r} 24 \\ \times 2 \\ \hline 48 \end{array}$$

3.
$$\begin{array}{r} 33 \\ \times 3 \\ \hline 99 \end{array}$$

4.
$$\begin{array}{r} 44 \\ \times 2 \\ \hline 88 \end{array}$$

5.
$$\begin{array}{r} 30 \\ \times 3 \\ \hline 90 \end{array}$$

6.
$$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \end{array}$$

7.
$$\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$$

8.
$$\begin{array}{r} 22 \\ \times 4 \\ \hline 88 \end{array}$$

Exercise-4

1.
$$\begin{array}{r} \textcircled{2} \\ 24 \\ \times 7 \\ \hline 168 \end{array}$$

2.
$$\begin{array}{r} \textcircled{1} \\ 33 \\ \times 4 \\ \hline 132 \end{array}$$

3.
$$\begin{array}{r} \textcircled{1} \\ 43 \\ \times 6 \\ \hline 258 \end{array}$$

4.
$$\begin{array}{r} \textcircled{2} \\ 59 \\ \times 3 \\ \hline 177 \end{array}$$

$$\begin{array}{r} 4 \\ 48 \\ \times 6 \\ \hline 288 \end{array}$$

$$\begin{array}{r} 1 \\ 52 \\ \times 5 \\ \hline 260 \end{array}$$

$$\begin{array}{r} 2 \\ 79 \\ \times 3 \\ \hline 237 \end{array}$$

$$\begin{array}{r} 1 \\ 84 \\ \times 4 \\ \hline 336 \end{array}$$

Exercise-5

1. 0
5. 0
9. 457

2. 119
6. 1
10. 9

3. 0
7. 57

4. 3597
8. 0

Exercise-6

- $3 \times 10 = 30$
- $10 \times 27 = 270$
- $40 \times 4 = 4 \times 10 \times 4 = 16 \times 10 = 160$
- $12 \times 80 = 12 \times 8 \times 10 = 96 \times 10 = 960$
- $8 \times 100 = 800$
- $100 \times 61 = 6100$
- $13 \times 300 = 13 \times 3 \times 100 = 39 \times 100 = 3900$
- $9 \times 600 = 9 \times 6 \times 100 = 54 \times 100 = 5400$
- $14 \times 50 = 14 \times 5 \times 10 = 70 \times 10 = 700$
- $27 \times 200 = 27 \times 2 \times 100 = 54 \times 100 = 5400$
- $15 \times 40 = 15 \times 4 \times 10 = 60 \times 10 = 600$
- $68 \times 70 = 68 \times 7 \times 10 = 476 \times 10 = 4760$
- $11 \times 90 = 11 \times 9 \times 10 = 99 \times 10 = 990$
- $187 \times 30 = 187 \times 3 \times 10 = 561 \times 10 = 5610$
- $10 \times 100 = 1000$

Mental Maths Corner

1. $65 \times 60 = 65 \times 6 \times 10 = 390 \times 10 = 3900$
2. 989 3. 7290 4. 17 5. 0

Review Exercise

1. (a)

$$\begin{array}{r} 1 \\ 42 \\ \times 9 \\ \hline 378 \end{array}$$

(b)

$$\begin{array}{r} 1 \\ 78 \\ \times 2 \\ \hline 156 \end{array}$$

(c)

$$\begin{array}{r} 5 \\ 49 \\ \times 6 \\ \hline 294 \end{array}$$

(d)

$$\begin{array}{r} 3 \\ 98 \\ \times 6 \\ \hline 588 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 37 \\ \times 8 \\ \hline 296 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 27 \\ \times 9 \\ \hline 243 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 83 \\ \times 6 \\ \hline 498 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 92 \\ \times 5 \\ \hline 460 \end{array}$$

2. Number of pages in a book = 47
Total number of pages in 9 books = 47×9
= 423

$$\begin{array}{r} \textcircled{6} \\ 47 \\ \times 9 \\ \hline 423 \end{array}$$

Thus, there are 423 pages in 9 such books.

3. Number of apples in a box = 55
Total number of apples in 7 boxes = 55×7
= 385

$$\begin{array}{r} \textcircled{3} \\ 55 \\ \times 7 \\ \hline 385 \end{array}$$

Thus, there are 385 apples in 7 such boxes.

Maths Lab Activity

\times	1	2	3	4	5	6	7	8	9	10
11	11	22	33	44	55	66	77	88	99	110
12	12	24	36	48	60	72	84	96	108	120
13	13	26	39	52	65	78	91	104	117	130
14	14	28	42	56	70	84	98	112	126	140
15	15	30	45	60	75	90	105	120	135	150
16	16	32	48	64	80	96	112	128	144	160
17	17	34	51	68	85	102	119	136	153	170
18	18	36	54	72	90	108	126	144	162	180
19	19	38	57	76	95	114	133	152	171	190
20	20	40	60	80	100	120	140	160	180	200

Example: Mark out $\begin{array}{|c|c|c|} \hline 120 & & \\ \hline 112 & 128 & 144 \\ \hline & 136 & \\ \hline \end{array}$ in the grid

Sum of the numbers in the row = $112 + 128 + 144 = 384$
Sum of the numbers in the column = $120 + 128 + 136 = 384$
 \therefore Sum of the numbers in the row = sum of the numbers in the column

Fun Time

(a) $44 \times 11 = 4 \begin{array}{|c|c|} \hline 4 & 4 \\ \hline \end{array} 4 = 484$

(b) $69 \times 11 = 6 \begin{array}{|c|c|} \hline 6 & 9 \\ \hline \end{array} 9 = 6 \begin{array}{|c|} \hline 15 \\ \hline \end{array} 9 = 759$