

Exercises

Let's Recall

A) Fill in the boxes with the correct answer.

1) $5 + 5 + 5 + 5 + 5 + 5 = 6 \times [5] = [30]$

2) $8 \times 7 = 7 + [7] + [7] + [7] + [7] + [7] + [7] + [7] = [56]$

B) Multiply.

1) $8 \times 3 = 24$

2) $5 \times 9 = 45$

3) $6 \times 5 = 30$

4) $7 \times 4 = 28$

5) $7 \times 6 = 42$

6) $7 \times 7 = 49$

7) $3 \times 9 = 27$

8) $2 \times 10 = 20$

9) $9 \times 8 = 72$

10) $6 \times 8 = 48$

11) $6 \times 7 = 42$

12) $9 \times 10 = 90$

13) $10 \times 8 = 80$

14) $4 \times 9 = 36$

15) $7 \times 3 = 21$

16) $8 \times 4 = 32$

17) $8 \times 8 = 64$

18) $5 \times 5 = 25$

C) Find the product.

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

$$\begin{array}{r} 172 \\ \times 6 \\ \hline 1032 \end{array}$$

$$\begin{array}{r} 214 \\ \times 4 \\ \hline 856 \end{array}$$

$$\begin{array}{r} 208 \\ \times 2 \\ \hline 416 \end{array}$$

Exercise – 5.1

A) Multiply.

1) 7×13

$$\begin{array}{r} 13 \\ \times 7 \\ \hline 91 \end{array}$$

2) 6×14

$$\begin{array}{r} 14 \\ \times 6 \\ \hline 84 \end{array}$$

3) 18×9

$$\begin{array}{r} 18 \\ \times 9 \\ \hline 162 \end{array}$$

4) 5×15

$$\begin{array}{r} 15 \\ \times 5 \\ \hline 75 \end{array}$$

5) 2×17

$$\begin{array}{r} 17 \\ \times 2 \\ \hline 34 \end{array}$$

6) 9×16

$$\begin{array}{r} 16 \\ \times 9 \\ \hline 144 \end{array}$$

7) 9×11

$$\begin{array}{r} 11 \\ \times 9 \\ \hline 99 \end{array}$$

8) 6×12

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

9) 4×19

$$\begin{array}{r} 19 \\ \times 4 \\ \hline 76 \end{array}$$

10) 10×11

$$\begin{array}{r} 10 \\ \times 11 \\ \hline 110 \end{array}$$

11) 7×18

$$\begin{array}{r} 18 \\ \times 7 \\ \hline 126 \end{array}$$

12) 2×14

$$\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \end{array}$$

B) Fill in the boxes with the correct number

1) $[3] \times 16 = 48.$

2) $[9] \times 20 = 180.$

3) $[7] \times 17 = 119$

4) $[9] \times 12 = 108$

5) $[10] \times 14 = 140$

6) $[3] \times 18 = 54$

7) $[7] \times 11 = 110$

8) $[9] \times 19 = 171$

9) $[2] \times 16 = 32$

10) $[4] \times 14 = 56$

11) $[6] \times 19 = 114$

12) $[8] \times 15 = 120$

C) Write the number sentence and solve.

1) There are 14 bags and each bag holds 9 coconuts .How many coconuts are there in all?

Sol 1) Number of coconuts in 1 bag =9

Number of coconuts in 14 bags = 14×9

$$\begin{array}{r} 14 \\ \times 9 \\ \hline 126 \end{array}$$

There are 126 coconuts in all.

2) Sarah reads 14 pages of a storybook each day. How many pages does she read in one week?

Sol 2) In one day Sarah reads 14 pages of story book $\rightarrow 1 \times 14 = 14$

There are 7 days in a week

She reads in 7 days = 14×7

$$\begin{array}{r} 14 \\ \times 7 \\ \hline 98 \end{array}$$

Sarah reads 98 pages in a one week.

3) If 1 dozen is 12 marbles, how many marbles will 6 dozen have?

Sol 3) In 1 dozen 12 marbles = 1×12

In 6 dozens having a marbles = 12×6

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

72 marbles in 6 dozen.

Exercise 5.2

A) Multiply the following.

1) 17×80

$$\begin{array}{r} 17 \\ \times 80 \\ \hline 00 \\ + 86 \times \\ \hline 1360 \end{array}$$

2) 400×20

$$\begin{array}{r} 400 \\ \times 20 \\ \hline 000 \\ + 800 \times \\ \hline 8000 \end{array}$$

3) 100×8

$$\begin{array}{r} 100 \\ \times 8 \\ \hline 800 \end{array}$$

4) 19×5000

$$\begin{array}{r} 5000 \\ \times 19 \\ \hline 45000 \\ + 5000 \times \\ \hline 95000 \end{array}$$

5) 3×700

$$\begin{array}{r} 700 \\ \times 3 \\ \hline 2100 \end{array}$$

6) 6×300

$$\begin{array}{r} 300 \\ \times 6 \\ \hline 1800 \end{array}$$

7) 6000×10

$$\begin{array}{r} 6000 \\ \times 10 \\ \hline 0000 \\ + 6000 \times \\ \hline 60000 \end{array}$$

8) 2000×24

$$\begin{array}{r} 2000 \\ \times 24 \\ \hline 8000 \\ + 4000 \times \\ \hline 48000 \end{array}$$

9) 80×90

$$\begin{array}{r} 80 \\ \times 90 \\ \hline 00 \\ + 720 \times \\ \hline 7200 \end{array}$$

10) 743×100

$$\begin{array}{r} 743 \\ \times 100 \\ \hline 000 \\ + 000 \times \\ + 743 \times \times \\ \hline 74300 \end{array}$$

B) Write the number sentence and solve.

1) Ronny has 20 ten rupee notes. How much does he have?

Sol1) Ronny has 20 notes of 10 rupee = 20×10

$$\begin{array}{r} 20 \\ \times 10 \\ \hline 00 \\ + 20 \times \\ \hline 200 \end{array}$$

Ronny has 200 rupees.

2) There are 200 boxes in a truck filled with apples .If each box has 15 apples ,how many apple there in all?

Sol2) 1 truck having 200 boxes of apples= 1×200

Each box carrying 15 apples = 200×15

$$\begin{array}{r} 200 \\ \times 15 \\ \hline 1000 \\ + 200 \times \\ \hline 3000 \end{array}$$

There are 3000 apples in all.

Exercise -5.3

A) Write the product and factors of each of the following.

1) $3 \times 9 = 27$ Product = 27 factors 3 and 9

2) $7 \times 6 = 42$ Product = 42 factors 7 and 6

B) Multiply.

$$\begin{array}{r} 1) \quad 1234 \\ \times \quad 2 \\ \hline 2468 \end{array}$$

$$\begin{array}{r} 2) \quad 10221 \\ \times \quad 4 \\ \hline 40884 \end{array}$$

$$\begin{array}{r} 3) \quad 22010 \\ \times \quad 3 \\ \hline 66030 \end{array}$$

C) Find the product.

$$\begin{array}{r} 1) \quad 2122 \times 4 \\ 2122 \\ \times \quad 8 \\ \hline 8488 \end{array}$$

$$\begin{array}{r} 2) \quad 20131 \times 3 \\ 20131 \\ \times \quad 3 \\ \hline 60393 \end{array}$$

$$\begin{array}{r} 3) \quad 11010 \times 5 \\ 11010 \\ \times \quad 5 \\ \hline 55050 \end{array}$$

$$\begin{array}{r} 4) \quad 2013 \times 3 \\ 2013 \\ \times \quad 2 \\ \hline 4026 \end{array}$$

D) Multiply.

$$\begin{array}{r} 1) \quad 12349 \\ \times \quad 7 \\ \hline 86443 \end{array}$$

$$\begin{array}{r} 2) \quad 4326 \\ \times \quad 9 \\ \hline 38934 \end{array}$$

$$\begin{array}{r} 3) \quad 8340 \\ \times \quad 8 \\ \hline 66720 \end{array}$$

E) Find the product.

$$\begin{array}{r} 1) \quad 10732 \times 6 \\ 10732 \\ \times \quad 6 \\ \hline 64392 \end{array}$$

$$\begin{array}{r} 2) \quad 48186 \times 2 \\ 48186 \\ \times \quad 2 \\ \hline 96372 \end{array}$$

$$\begin{array}{r} 3) \quad 7382 \times 5 \\ 7382 \\ \times \quad 5 \\ \hline 36910 \end{array}$$

$$\begin{array}{r} 4) \quad 19768 \times 4 \\ 19768 \\ \times \quad 4 \\ \hline 79072 \end{array}$$

Exercise -5.4

A) Write the correct answer to complete the boxes.

1) $2 \times 10 \times 7 = (20 \times 7) = (140)$	2) $7 \times 2 \times 5 = (14 \times 5) = (70)$
3) $8 \times 6 \times 1 = (48 \times 1) = (48)$	4) $16 \times 7 \times 5 = (112 \times 5) = (560)$
5) $3 \times 20 \times 14 = (60 \times 14) = (840)$	6) $8 \times 5 \times 9 = (40 \times 9) = (360)$

B) Find the product.

$$\begin{aligned} 1) \quad & 64 \times 2 \times 7 \\ & = (64 \times 2) \times 7 \\ & = 128 \times 7 = 896 \end{aligned}$$

$$\begin{aligned} 2) \quad & 83 \times 4 \times 9 \\ & = (83 \times 4) \times 9 \\ & = 332 \times 9 = 2988 \end{aligned}$$

$$\begin{aligned} 3) \quad & 137 \times 4 \times 8 \\ & = (137 \times 4) \times 8 \\ & = 548 \times 8 = 4384 \end{aligned}$$

$$\begin{aligned} 4) \quad & 837 \times 2 \times 5 \\ & = (837 \times 2) \times 5 \\ & = 1674 \times 5 = 8370 \end{aligned}$$

Exercise – 5.5

A) Multiply

$$\begin{array}{r} 1) \quad 8374 \\ \times \quad 11 \\ \hline 92114 \end{array}$$

$$\begin{array}{r} 2) \quad 5138 \\ \times \quad 18 \\ \hline 92484 \end{array}$$

$$\begin{array}{r} 3) \quad 238 \\ \times \quad 72 \\ \hline 17136 \end{array}$$

B) Find the product .Then write the product in words.

1) 32×78

$$\begin{array}{r} 32 \\ \times 78 \\ \hline 256 \\ +224 \times \\ \hline 2496 \end{array}$$

In words- Two Thousand four hundred ninety -six.

2) 547×92

$$\begin{array}{r} 547 \\ \times 92 \\ \hline 1094 \\ +4923 \times \\ \hline 50324 \end{array}$$

In words- fifty thousand three hundred twenty four.

3) 1643×51

$$\begin{array}{r} 1643 \\ \times 51 \\ \hline 1643 \\ +8215 \times \\ \hline 83793 \end{array}$$

In words -Eighty three thousand seven hundred ninety -three.

4) 2307×36

$$\begin{array}{r} 2307 \\ \times 36 \\ \hline 13842 \\ +6921 \times \\ \hline 83052 \end{array}$$

In words- Eighty three thousand fifty – two.

5) 1234×25

$$\begin{array}{r} 1234 \\ \times 25 \\ \hline 6170 \\ + 2468 \times \\ \hline 30850 \end{array}$$

In words- Thirty thousand eight hundred fifty.

Exercise -5.6

A) Multiply

1) 89
 $\times 113$

 10057

2) 286
 $\times 207$

 59202

3) 348
 $\times 216$

 75168

4) 46
 $\times 738$

 33948

5) 424
 $\times 132$

 55968

6) 290
 $\times 325$

 94250

B) Find the product. Write the product in words.

1) 12×183
 183
 $\times 12$

 366
 $+ 183 \times$

 2196

In words- Two thousand one hundred ninety – six.

2) 475×205
 475
 $\times 205$

 2375
 $000 \times$

 $+ 840 \times \times$

 97375

In words- Ninety – seven thousand three hundred seventy-five.

3) 134×294
 134
 $\times 294$

 536
 $976 \times$

 $+ 268 \times \times$

 39396

In words- Thirty-nine thousand three hundred ninety-six

4) 452×107
 452
 $\times 107$

 3164
 $000 \times$

 $+ 452 \times \times$

 48364

In words- Forty eight thousand three hundred sixty-four.

Exercise – 5.7

Fill in the boxes with correct answer.

1) $38 \times [72] = 38$

2) $217 \times [0] = 0$

3) $[1] \times 621 = 621$

4) If $107 \times 4 = 428$, then $4 \times 107 = [428]$

5) $823 \times 4 \times 8 = 4 \times 8 \times [823]$

6) If $(3 \times 8) \times 6 = 144$, then $3 \times (8 \times 6) = [144]$

Exercise -5.8

1) 263 cars can be parked in one section. How many cars can be parked in 81 such section?

Sol 1) In 1 section 263 car's can be parked $= 1 \times 263$

Car's can be parked in 81 section $= 81 \times 263$

$$\begin{array}{r} 263 \\ \times 81 \\ \hline 263 \\ +2104 \times \\ \hline 21303 \end{array}$$

2) A necklace contains 432 beads . How many beads will be there in 32 such necklaces?

Sol 2) 1 necklace contain 432 beads $= 1 \times 432$

In 32 necklaces having $= 32 \times 432$

$$\begin{array}{r} 432 \\ \times 32 \\ \hline 864 \\ +1296 \times \\ \hline 13824 \end{array}$$

32 necklaces having 13824 beads.

3) How many books will the library have if cupboard contains 187 books and the number of cupboards is 173?

Sol 3) No.of books in library $= 187$

Total no.of cupboards is $= 173 \times 187$

$$\begin{array}{r} 187 \\ \times 173 \\ \hline 561 \\ 1309 \times \\ +187 \times \times \\ \hline 32351 \end{array}$$

There are 32351 book in library.

4) What is the product of smallest 4 digit number and 18?

Sol4) Smallest 4 digit number is 1000

$$\begin{array}{r} 1000 \\ \times 18 \\ \hline 8000 \\ +1000 \times \\ \hline 18000 \end{array}$$

The product of smallest 4 digit number is 18000.

5) Nancy saves Rs.20 from her monthly pocket money of Rs.500. How much money does she save in a year?

Sol 5) The pocket money of Nancy is Rs.500

She saves every month = Rs.20

1 year having a 12 months = 20×12

$$\begin{array}{r} 20 \\ \times 12 \\ \hline 40 \\ +20 \times \\ \hline 240 \end{array}$$

Nancy saves Rs.240 in a year.

