

Exercises

Let's Recall

A) Fill in the boxes.

- 1) $7384 \times 0 = 0$
- 2) $92 \times 1000 = \underline{92000}$
- 3) $5 \times 70 = \underline{350}$
- 4) $147 \times 32 = \underline{32} \times 147$
- 5) $945 \times \underline{1} = 945$
- 6) If $93 \times 4 = 372$, then $4 \times 93 = \underline{372}$

Exercise 4.1

Fill in the blanks with the correct answer.

- 1) In $32 \times 7 = 224$; 32 is the multiplicand , 7 is the multiplier and 224 is the product.
- 2) The product of a multiplication with '0' as the multiplier is always 0.
- 3) Any number multiplied by 1 is the number itself.
- 4) $(143 \times 5) \times 3 = 143 \times (\underline{5} \times \underline{3})$
- 5) $174896 \times 0 = \underline{0}$.
- 6) $5727 \times \underline{263} = 263 \times \underline{5727}$

Exercise 4.2

Put (✓) for the correct answer and (×) for the incorrect answer. Then rewrite the correct answer for the incorrect ones.

- 1) $14 \times 6000 = 84000$ (✓)
- 2) $2800 \times 7 = 1960$ (×) 19600
- 3) $140 \times 300 = 42000$ (✓)
- 4) $32 \times 700 = 22400$ (✓)
- 5) $750 \times 960 = 7200$ (×) 720000
- 6) $101 \times 100 = 10100$ (✓)

Exercise 4.3A Multiply

1) $\begin{array}{r} 124322 \\ \times \quad 2 \\ \hline 248644 \end{array}$	2) $\begin{array}{r} 32112 \\ \times \quad 3 \\ \hline 96336 \end{array}$	3) $\begin{array}{r} 10220 \\ \times \quad 4 \\ \hline 40880 \end{array}$
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4) $\begin{array}{r} 21302 \\ \times \quad 13 \\ \hline 63906 \\ + 21302 \times \\ \hline 276926 \end{array}$	5) $\begin{array}{r} 4012 \\ \times \quad 22 \\ \hline 8024 \\ + 8024 \times \\ \hline 88264 \end{array}$	6) $\begin{array}{r} 2210 \\ \times \quad 320 \\ \hline 0000 \\ + 4420 \times \\ \hline + 6630 \times \times \\ \hline 707200 \end{array}$
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B. Multiply horizontally and write the answer.

- 1) $10234 \times 2 = \underline{20468}$
- 2) $2113 \times 3 = \underline{6339}$
- 3) $12010 \times 4 = \underline{48040}$
- 4) $201342 \times 2 = \underline{402684}$

C. Find the product.

- | | | | |
|--|--|--|--|
| 1) 123102×3 | 2) 41021×12 | 3) 230×13 | 4) 21201×14 |
| $\begin{array}{r} 123102 \\ \times \quad 3 \\ \hline 369306 \end{array}$ | $\begin{array}{r} 41021 \\ \times \quad 12 \\ \hline 82042 \\ + 41021 \times \\ \hline 492252 \end{array}$ | $\begin{array}{r} 230 \\ \times 13 \\ \hline 690 \\ + 230 \times \\ \hline 2990 \end{array}$ | $\begin{array}{r} 21201 \\ \times \quad 14 \\ \hline 84804 \\ + 21201 \times \\ \hline 296814 \end{array}$ |

Exercise 4.4

A Multiply

- | | | | |
|------------------------------|--|--|---|
| 1) $50317 \times 4 = 201268$ | 2) $1086 \times 49 = 9774 + 4344 \times = 53214$ | 3) $687 \times 432 = 1374 + 2061 \times + 2748 \times \times = 296784$ | 4) $4386 \times 201 = 4386 + 0000 \times + 8772 \times \times = 881586$ |
|------------------------------|--|--|---|

B. Multiply horizontally and write the answers.

- 1) $6281 \times 7 = \underline{43967}$
- 2) $9364 \times 2 = \underline{18728}$
- 3) $51324 \times 3 = \underline{153972}$
- 4) $896 \times 6 = \underline{5376}$

C. Multiply and find the product.

- | | | | |
|---|---|---|---|
| 1) $43286 \text{ by } 8$ | 2) $9374 \text{ by } 24$ | 3) $1739 \text{ by } 527$ | 4) 18209×36 |
| $\begin{array}{r} 43286 \\ \times \quad 8 \\ \hline 346288 \end{array}$ | $\begin{array}{r} 9374 \\ \times \quad 24 \\ \hline 37496 \\ + 18748 \times \\ \hline 224976 \end{array}$ | $\begin{array}{r} 1739 \\ \times 527 \\ \hline 12173 \\ 3478 \times \\ + 8695 \times \times \\ \hline 916453 \end{array}$ | $\begin{array}{r} 18209 \\ \times \quad 36 \\ \hline 109254 \\ + 54627 \times \\ \hline 655524 \end{array}$ |

Exercise 4.5

Solve the following.

- | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1) 39×11 | 2) 40×11 | 3) 62×11 | 4) 69×11 |
| Sol $3 \underline{\quad} 9$ | Sol $4 \underline{\quad} 0$ | Sol $6 \underline{\quad} 2$ | Sol $6 \underline{\quad} 9$ |
| $= > (3+9 = 12)$ | $= > (4+0 = 4)$ | $= > (6+2 = 8)$ | $= > (6+9 = 15)$ |

$= > \underline{429}$

$=> \underline{440}$

$=> \underline{682}$

$=> \underline{759}$

Exercise 4.6

Solve.

- 1) If the multiplicand = 23412 , multiplier = 23. Find the product.

Sol. Multiplicand	= 23412	2 3 4 1 2
Multiplier	= 23	$\times \quad 23$
Product	= <u>5,38,476</u>	7 0 2 3 6
		$+ 46824 \times$
		<u>538476</u>

- 2) A man earns ₹ 4,300 in one day. What will be his total earning in the month of April?

Sol. Earning in one day	= ₹ 4300	4300
Earning in April (30 days)	= 4300×30	$\times 30$
	= ₹ <u>1,29,000</u>	129000

- 3) There are 375 toffees in a tin. How many toffees will be there in 632 such tins?

Sol. Toffees in 1 tin	= 375
Toffees in 632	= 375×632
	= <u>2,37,000</u> toffees

- 4) There are 144 articles in a gross. How many articles are there in 2174 gross?

Sol. Articles in 1 gross	= 144
Articles in 2174 gross	= 2174×144
	= <u>3,13,056</u>