

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi -110092

Session: 2025-2026

Class: V

Subject: Mathematics

Topic: Unit -4 (Multiplication & Division)

Questions to be done-

Properties of Multiplication-

Ex-1 Q.1(Book)

Q.2 (a,d)(Notebook)

Q.3 (a,d)(Notebook)

Ex -2 Q.1(Book)

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

Q.3(Notebook)

Ex -3 Q.1,3 (Book)

Q.2(Notebook)

Ex-4 Q.1(Book)

Q.2(a,d)(Notebook)

Q.4(Notebook)

Q.3(Homework)

Ex-5 Q.1(Book)

Q.2(a,d)(Notebook)

Worksheet-

Lesson-4 : Multiplication and Division

Warm Up

Number of boxes required

$$= 6495 \div 50$$

$$= 129 \text{ (remainder 45)}$$

$$\begin{array}{r} 1282 \\ \times 129 \\ \hline 11538 \\ 25640 \\ + 128200 \\ \hline 165370 \end{array}$$

$$\begin{aligned} \text{Money earned} &= ₹1282 \times 129 \\ &= ₹1,65,370 \end{aligned}$$

$$\begin{array}{r} 129 \\ 50 \overline{) 6495} \\ \underline{-50} \\ 149 \\ \underline{-100} \\ 495 \\ \underline{-450} \\ 45 \end{array}$$

So, 129 boxes are required and 45 mangoes will be left.

Exercise-1

1. (a) 0 (b) 1 (c) 0 (d) 8175 (e) 8, 50

2. (a) $2369 \times 70 = (2369 \times 7) \times 10 = 16583 \times 10 = 165830$

(b) $861 \times 900 = (861 \times 9) \times 100 = 7749 \times 100 = 774900$

(c) $9297 \times 5000 = (9297 \times 5) \times 1000 = 46485 \times 1000 = 46485000$

(d) $6359 \times 3000 = (6359 \times 3) \times 1000 = 19077 \times 1000 = 19077000$

3. (a) $83 \times 96 = 83 \times (100 - 4) = 83 \times 100 - 83 \times 4$
 $= 8300 - 332 = 7968$

(b) $58 \times 107 = 58 \times (100 + 7) = 58 \times 100 + 58 \times 7$
 $= 5800 + 406 = 6206$

(c) $73 \times 998 = 73 \times (1000 - 2) = 73 \times 1000 - 73 \times 2$
 $= 73000 - 146 = 72854$

(d) $18 \times 3065 = 18 \times (3000 + 60 + 5) = 18 \times 3000 + 18 \times 60 + 18 \times 5$
 $= 54000 + 1080 + 90 = 55170$

Exercise-2

iii) (iii) Number of pages in one book = 328

Number of pages in 2,27,125 books

$$= 328 \times 227125$$

$$= 74497000$$

$$\begin{array}{r} 227125 \\ \times 328 \\ \hline 1817000 \\ 4542500 \\ +68137500 \\ \hline 74497000 \end{array}$$

(b) (i) Cost of one chair = ₹ 398

Cost of 15346 chairs = $15346 \times ₹ 398$

$$= ₹ 61,07,708$$

$$\begin{array}{r} 15346 \\ \times 398 \\ \hline 122768 \\ 1381140 \\ +4603800 \\ \hline 6107708 \end{array}$$

(c) (iv) 1 year = 365 days

4 years = 365×4 days = 1460 days

Quantity of milk sold in a day = 448 litres

Quantity of milk sold in 1460 days

$$= 448 \times 1460 \text{ litres}$$

$$= 654080 \text{ litres}$$

$$\begin{array}{r} 1460 \\ \times 448 \\ \hline 11680 \\ 58400 \\ +584000 \\ \hline 654080 \end{array}$$

<p>2. (a) $\begin{array}{r} 26854 \\ \times 84 \\ \hline 107416 \\ +2148320 \\ \hline 2255736 \end{array}$</p>	<p>(b) $\begin{array}{r} 19807 \\ \times 72 \\ \hline 39614 \\ +1386490 \\ \hline 1426104 \end{array}$</p>	<p>(c) $\begin{array}{r} 31734 \\ \times 372 \\ \hline 63468 \\ 2221380 \\ +9520200 \\ \hline 11805048 \end{array}$</p>
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<p>(d) $\begin{array}{r} 42135 \\ \times 533 \\ \hline 126405 \\ 1264050 \\ +21067500 \\ \hline 22457955 \end{array}$</p>	<p>(e) $\begin{array}{r} 4225 \\ \times 2805 \\ \hline 21125 \\ 00000 \\ 3380000 \\ +8450000 \\ \hline 11851125 \end{array}$</p>
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(f) $\begin{array}{r} 9219 \\ \times 5838 \\ \hline 73752 \\ 276570 \\ 7375200 \\ +46095000 \\ \hline 53820522 \end{array}$

3. 1 year = 12 months

2 years = 2×12 months = 24 months

Money saved in a month = ₹ 48,290

Money saved in 24 months = ₹ $48,290 \times 24$

$$= ₹ 11,58,960$$

$$\begin{array}{r} 48290 \\ \times 24 \\ \hline 193160 \\ +965800 \\ \hline 1158960 \end{array}$$

Exercise-3

1. (a) 12547 (b) 1 (c) 0 (d)

2. Here, Quotient = 22, Divisor = 35, Remainder = 14

$$\text{Dividend} = \text{Divisor} \times \text{Quotient} + \text{Remainder}$$

$$= 35 \times 22 + 14 = 770 + 14 = 784$$

Thus, the number is 784.

3.

Division statement	Quotient	Remainder
(a) $5164 \div 10$	516	4
(b) $62847 \div 10$	6284	7
(c) $723456 \div 100$	7234	56
(d) $612345 \div 100$	6123	45
(e) $817567 \div 1000$	817	567
(f) $1745678 \div 1000$	1745	678
(g) $42244224 \div 1000$	42244	224

Exercise-4

1. (a) (ii) Total cost of 125 colour TV sets = ₹ 31,94,375

Cost of one colour TV set

$$= ₹ 31,94,375 \div 125 = ₹ 25,555$$

$$\begin{array}{r} 25555 \\ 125 \overline{) 3194375} \\ \underline{-250} \\ 694 \\ \underline{-625} \\ 693 \\ \underline{-625} \\ 687 \\ \underline{-625} \\ 625 \\ \underline{-625} \\ 0 \end{array}$$

- (b) (iv) Other number = $2,69,928 \div 552 = 489$

$$\begin{array}{r} 489 \\ 552 \overline{) 269928} \\ \underline{-2208} \\ 4912 \\ \underline{-4416} \\ 4968 \\ \underline{-4968} \\ 0 \end{array}$$

- (c) (iv) Number of rows of seats in the stadium

$$= 52,650 \div 975 = 54$$

$$\begin{array}{r} 54 \\ 975 \overline{) 52650} \\ \underline{-4875} \\ 3900 \\ \underline{-3900} \\ 0 \end{array}$$

- (d) (ii) Number of boxes required to pack 6,48,550 books

$$= 6,48,550 \div 1526 = 425$$

$$\begin{array}{r} 425 \\ 1526 \overline{) 648550} \\ \underline{-6104} \\ 3815 \\ \underline{-3052} \\ 7630 \\ \underline{-7630} \\ 0 \end{array}$$

2. (a)

$$\begin{array}{r} 224 \\ 115 \overline{) 25766} \\ \underline{-230} \\ 276 \\ \underline{-230} \\ 466 \\ \underline{-460} \\ 6 \end{array}$$

$$Q = 224, R = 6$$

Checking:

Dividend = Divisor \times Quotient + Remainder

$$= 115 \times 224 + 6 = 25760 + 6$$

$$= 25766$$

$$\begin{array}{r} 224 \\ \times 115 \\ \hline 1120 \\ 2240 \\ + 22400 \\ \hline 25760 \end{array}$$

$$\begin{array}{r}
 79 \\
 533 \overline{) 42135} \\
 \underline{-3731} \\
 4825 \\
 \underline{-4797} \\
 28
 \end{array}$$

$$Q = 79, R = 28$$

Checking :

$$\begin{aligned}
 \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 533 \times 79 + 28 = 42107 + 28 \\
 &= 42135
 \end{aligned}$$

$$\begin{array}{r}
 533 \\
 \times 79 \\
 \hline
 4797 \\
 + 37310 \\
 \hline
 42107
 \end{array}$$

$$\begin{array}{r}
 1 \\
 5838 \overline{) 9219} \\
 \underline{-5838} \\
 3381
 \end{array}$$

$$Q = 1, R = 3381$$

Checking :

$$\begin{aligned}
 \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 5838 \times 1 + 3381 = 5838 + 3381 \\
 &= 9219
 \end{aligned}$$

$$\begin{array}{r}
 1457 \\
 3135 \overline{) 4567890} \\
 \underline{-3135} \\
 14328 \\
 \underline{-12540} \\
 17889 \\
 \underline{-15675} \\
 22140 \\
 \underline{-21945} \\
 195
 \end{array}$$

$$Q = 1457, R = 195$$

Checking :

$$\begin{aligned}
 \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 3135 \times 1457 + 195 = 4567695 + 195 \\
 &= 4567890
 \end{aligned}$$

$$\begin{array}{r}
 3135 \\
 \times 1457 \\
 \hline
 21945 \\
 156750 \\
 1254000 \\
 + 3135000 \\
 \hline
 4567695
 \end{array}$$

3. Total cost of 216 shirts

$$= ₹ 3,35,232$$

Cost of one shirt

$$= ₹ 3,35,232 \div 216 = ₹ 1552$$

$$\begin{array}{r}
 1552 \\
 216 \overline{) 335232} \\
 \underline{-216} \\
 1192 \\
 \underline{-1080} \\
 1123 \\
 \underline{-1080} \\
 432 \\
 \underline{-432} \\
 0
 \end{array}$$

4. The greatest 8-digit number

$$= 99999999$$

The greatest 3-digit number = 999

$$\begin{array}{r}
 100100 \\
 999 \overline{) 99999999} \\
 \underline{-999} \\
 09 \\
 \underline{-0} \\
 99 \\
 \underline{-0} \\
 999 \\
 \underline{-999} \\
 09 \\
 \underline{-0} \\
 99 \\
 \underline{-0} \\
 99
 \end{array}$$

$$Q = 100100, R = 99$$

Exercise-5

1. (a) (i) $30 \times 8 \div 2 + 60 - 22 = 30 \times 4 + 60 - 22 = 120 + 60 - 22 = 180 - 22 = 158$
(b) (iii) $95 - 75 \div 5 + 60 = 95 - 15 + 60 = 155 - 15 = 140$
(c) (ii) $5 + 10 \div 5 \times 3 - 6 = 5 + 2 \times 3 - 6 = 5 + 6 - 6 = 5$
(d) (iv) $100 \div 10 + 2 - 10 = 10 + 2 - 10 = 12 - 10 = 2$
 $105 - 45 \div 3 + 15 \times 2 = 105 - 15 + 15 \times 2 = 105 - 15 + 30 = 135 - 15 = 120$

$$8 \div 8 \times 8 + 8 - 8 = 1 \times 8 + 8 - 8 = 8 + 8 - 8 = 16 - 8 = 8$$

$$5 - 20 + 3 \times 10 \div 2 = 5 - 20 + 3 \times 5 = 5 - 20 + 15 = 20 - 20 = 0$$

2. (a) $102 - 12 \times 6 + 12 \div 2 = 102 - 12 \times 6 + 6 = 102 - 72 + 6 = 108 - 72 = 36$
(b) $10 + 8 \times 2 - 12 + 27 \div 9 - 16 \div 2 = 10 + 8 \times 2 - 12 + 3 - 8$
 $= 10 + 16 - 12 + 3 - 8 = 29 - 20 = 9$
(c) $18 - 12 \div 4 + 4 \times 4 = 18 - 3 + 4 \times 4 = 18 - 3 + 16 = 34 - 3 = 31$
(d) $75 \times 3 + 48 \div 4 - 108 = 75 \times 3 + 12 - 108 = 225 + 12 - 108 = 237 - 108 = 129$