

St. Andrews Scots Sr. Sec. School

I.P Extension, Patparganj, Delhi – 110092

Session: 2026-2027

Class: IV Subject: Mathematics
(Multiplication And Division)

Unit 3 -

Work to be done:

Ex-3 A: Q1 – a,d,e in Notebook.

Q2 – b, d, f in Notebook.

Q3 – notebook

Q5 – a,c in Notebook

Ex-3 B: Q1 ,Q2 Book

Q3 – a,c,e in Notebook

Q4- a,b in Notebook

Ex-3 C: Q1– a, c in Notebook

Q2 – b,c in Notebook.

Ex-3 D: Q1 a,c,e,i,o in Notebook.

Q2- Notebook

Q3,Q4 - Notebook

Ex-3 E: Q1 – Book

Q2- a,e,i,l in Notebook

Ex-3 F: Q1,4,7,9,12 in Notebook.

Review time

Worksheet

Activity

Exercise 3A

$$\begin{array}{r} 1. \quad (a) \quad 1283 \\ \quad \times 34 \\ \hline 5132 \\ + 38490 \\ \hline 43622 \end{array}$$

$$\begin{array}{r} (b) \quad 6012 \\ \quad \times 93 \\ \hline 18036 \\ + 541080 \\ \hline 559116 \end{array}$$

$$\begin{array}{r} (c) \quad 2487 \\ \quad \times 64 \\ \hline 9948 \\ + 149220 \\ \hline 159168 \end{array}$$

$$\begin{array}{r} (d) \quad 1478 \\ \quad \times 319 \\ \hline 13302 \\ 14780 \\ + 443400 \\ \hline 471482 \end{array}$$

$$\begin{array}{r} (e) \quad 2384 \\ \quad \times 129 \\ \hline 21456 \\ 47680 \\ + 238400 \\ \hline 307536 \end{array}$$

$$\begin{array}{r} (f) \quad 2378 \\ \quad \times 263 \\ \hline 7134 \\ 142680 \\ + 475600 \\ \hline 625414 \end{array}$$

$$\begin{array}{r} 2. \quad (a) \quad 1398 \\ \quad \times 62 \\ \hline 2796 \\ + 83880 \\ \hline 86676 \end{array}$$

$$\begin{array}{r} (b) \quad 1278 \\ \quad \times 38 \\ \hline 10224 \\ + 38340 \\ \hline 48564 \end{array}$$

$$\begin{array}{r} (c) \quad 1988 \\ \quad \times 28 \\ \hline 15904 \\ + 39760 \\ \hline 55664 \end{array}$$

$$\begin{array}{r} (d) \quad 3789 \\ \quad \times 309 \\ \hline 34101 \\ 00000 \\ + 1136700 \\ \hline 1170801 \end{array}$$

$$\begin{array}{r} (e) \quad 2684 \\ \quad \times 168 \\ \hline 21472 \\ 161040 \\ + 268400 \\ \hline 450912 \end{array}$$

$$\begin{array}{r} (f) \quad 3489 \\ \quad \times 804 \\ \hline 13956 \\ 00000 \\ + 2791200 \\ \hline 2805156 \end{array}$$

$$\begin{array}{r} 3. \quad 769 \\ \quad \times 322 \\ \hline 1538 \\ 15380 \\ + 230700 \\ \hline 247618 \end{array}$$

$$\begin{array}{r} 4. \quad 1642 \\ \quad \times 804 \\ \hline 6568 \\ 00000 \\ + 1313600 \\ \hline 1320168 \end{array}$$

5. (a) $63 \times 4 \times 19 = 252 \times 19 = 4788$
 (b) $68 \times 2 \times 14 = 136 \times 14 = 1904$
 (c) $58 \times 14 \times 321 = 812 \times 321 = 260652$
 (d) $9 \times 83 \times 140 = 747 \times 140 = 104580$

Exercise 3B

1. (a) $628 \times \underline{1} = 628$ (b) $\underline{930} \times 1 = 930$
 (c) $4381 \times \underline{0} = 0$ (d) $563 \times \underline{32} = 32 \times 563$
 (e) $0 \times 8347 = \underline{0}$ (f) $9840 \times \underline{0} = 0$
2. (a) $93 \times 10 = \underline{930}$ (b) $874 \times 100 = \underline{87400}$
 (c) $683 \times 10 = \underline{6830}$ (d) $1507 \times 100 = \underline{150700}$
 (e) $934 \times 1000 = \underline{934000}$ (f) $473 \times 1000 = \underline{473000}$
 (g) $19 \times 10 = \underline{190}$ (h) $347 \times 100 = \underline{34700}$
 (i) $3967 \times 1000 = \underline{3967000}$
3. (a) $63 \times 10 = 630$ (b) $79 \times 20 = 1580$
 (c) $832 \times 600 = 499200$ (d) $198 \times 200 = 39600$
 (e) $62 \times 300 = 18600$ (f) $48 \times 400 = 19200$
4. (a) $67 + 67 + 67 + 67 + 67 + 67 + 67 + 67 + 67 + 67 = 67 \times 10 = 670$
 (b) $378 + 378 + 378 + 378 + \dots$ (100 times) $= 378 \times 100 = 37800$
 (c) $278 + 278 + 278 + \dots$ (1000 times) $= 278 \times 1000 = 278000$

Exercise 3C

1. (a) $40 \times 50 = 2000$ (b) $60 \times 80 = 4800$ (c) $50 \times 80 = 4000$
 2. (a) $300 \times 100 = 30000$ (b) $600 \times 300 = 180000$
 (c) $300 \times 200 = 60000$

Exercise 3D

1. (a) 2478 by 13

$$\begin{array}{r} 13 \overline{)2478} \quad 190 \\ \underline{-13} \downarrow \\ 117 \\ \underline{-117} \downarrow \\ 08 \end{array}$$

Quotient = 190;
 Remainder = 8

- (b) 8125 by 33

$$\begin{array}{r} 33 \overline{)8125} \quad 246 \\ \underline{-66} \downarrow \\ 152 \\ \underline{-132} \downarrow \\ 205 \\ \underline{-198} \\ 7 \end{array}$$

Quotient = 246;
 Remainder = 7



(c) 9817 by 29

$$\begin{array}{r} 29 \overline{)9817} \quad 338 \\ \underline{-87} \downarrow \\ 111 \downarrow \\ \underline{-87} \downarrow \\ 247 \\ \underline{-232} \\ 15 \end{array} \quad \begin{array}{l} \text{Quotient} = 338; \\ \text{Remainder} = 15 \end{array}$$

(d) 6348 by 24

$$\begin{array}{r} 24 \overline{)6348} \quad 264 \\ \underline{-48} \downarrow \\ 154 \downarrow \\ \underline{-144} \downarrow \\ 108 \\ \underline{-96} \\ 12 \end{array} \quad \begin{array}{l} \text{Quotient} = 264; \\ \text{Remainder} = 12 \end{array}$$

(e) 9000 by 37

$$\begin{array}{r} 37 \overline{)9000} \quad 243 \\ \underline{-74} \downarrow \\ 160 \downarrow \\ \underline{-148} \downarrow \\ 120 \\ \underline{-111} \\ 9 \end{array} \quad \begin{array}{l} \text{Quotient} = 243; \\ \text{Remainder} = 9 \end{array}$$

(f) 9983 by 83

$$\begin{array}{r} 83 \overline{)9983} \quad 120 \\ \underline{-83} \downarrow \\ 168 \downarrow \\ \underline{-166} \downarrow \\ 23 \end{array} \quad \begin{array}{l} \text{Quotient} = 120; \\ \text{Remainder} = 23 \end{array}$$

(g) 20763 by 99

$$\begin{array}{r} 99 \overline{)20763} \quad 209 \\ \underline{-198} \downarrow \\ 963 \\ \underline{-891} \\ 72 \end{array} \quad \begin{array}{l} \text{Quotient} = 209; \\ \text{Remainder} = 72 \end{array}$$

(h) 7735 by 23

$$\begin{array}{r} 23 \overline{)7735} \quad 336 \\ \underline{-69} \downarrow \\ 83 \downarrow \\ \underline{-69} \downarrow \\ 145 \\ \underline{-138} \\ 7 \end{array} \quad \begin{array}{l} \text{Quotient} = 336; \\ \text{Remainder} = 7 \end{array}$$

(i) 10009 by 18

$$\begin{array}{r} 18 \overline{)10009} \quad 556 \\ \underline{-90} \downarrow \\ 100 \downarrow \\ \underline{-90} \downarrow \\ 109 \\ \underline{-108} \\ 1 \end{array} \quad \begin{array}{l} \text{Quotient} = 556; \\ \text{Remainder} = 1 \end{array}$$

(j) 72500 by 7

$$\begin{array}{r} 7 \overline{)72500} \quad 10357 \\ \underline{-7} \downarrow \\ 25 \downarrow \\ \underline{-21} \downarrow \\ 40 \downarrow \\ \underline{-35} \downarrow \\ 50 \\ \underline{-49} \\ 1 \end{array} \quad \begin{array}{l} \text{Quotient} = 10357 \\ \text{Remainder} = 1 \end{array}$$

(k) 80035 by 9

$$\begin{array}{r} 9 \overline{)80035} \quad 8892 \\ \underline{-72} \downarrow \\ 80 \downarrow \\ \underline{-72} \downarrow \\ 83 \downarrow \\ \underline{-81} \downarrow \\ 25 \\ \underline{-18} \\ 7 \end{array} \quad \begin{array}{l} \text{Quotient} = 8892 \\ \text{Remainder} = 7 \end{array}$$

(l) 68025 by 57

$$\begin{array}{r} 57 \overline{)68025} \quad 1193 \\ \underline{-57} \downarrow \\ 110 \downarrow \\ \underline{-57} \downarrow \\ 532 \downarrow \\ \underline{-513} \downarrow \\ 195 \\ \underline{-171} \\ 24 \end{array} \quad \begin{array}{l} \text{Quotient} = 1193; \\ \text{Remainder} = 24 \end{array}$$

(m) 80808 by 34

$$\begin{array}{r} 34 \overline{)80808} \quad 2376 \\ \underline{-68} \downarrow \\ 128 \downarrow \\ \underline{-102} \downarrow \\ 260 \downarrow \\ \underline{-238} \downarrow \\ 228 \\ \underline{-204} \\ 24 \end{array} \quad \begin{array}{l} \text{Quotient} = 2376; \\ \text{Remainder} = 24 \end{array}$$

(n) 47809 by 19

$$\begin{array}{r} 19 \overline{)47809} \quad 2516 \\ \underline{-38} \downarrow \\ 98 \downarrow \\ \underline{-95} \downarrow \\ 30 \downarrow \\ \underline{-19} \downarrow \\ 119 \\ \underline{-114} \\ 5 \end{array} \quad \begin{array}{l} \text{Quotient} = 2516; \\ \text{Remainder} = 5 \end{array}$$

(o) 31765 by 98

$$\begin{array}{r} 98 \overline{)31765} \quad 324 \\ \underline{-294} \downarrow \\ 236 \downarrow \\ \underline{-196} \downarrow \\ 405 \\ \underline{-392} \\ 13 \end{array} \quad \begin{array}{l} \text{Quotient} = 324; \\ \text{Remainder} = 13 \end{array}$$

2. $6840 \div 47$

$$\begin{array}{r} 47 \overline{)6840} \quad 145 \\ \underline{-47} \downarrow \\ 214 \downarrow \\ \underline{-188} \downarrow \\ 260 \\ \underline{-235} \\ 25 \end{array} \quad \begin{array}{l} \text{Quotient} = 145 \\ \text{Remainder} = 25 \end{array}$$

3. $63 \overline{)7560} \quad 120$

$$\begin{array}{r} \underline{-63} \downarrow \\ 126 \downarrow \\ \underline{-126} \\ 0 \end{array}$$

Thus, required divisor = 120

$$4. \text{ Dividend} = \text{divisor} \times \text{quotient} + \text{remainder} \\ = 35 \times 378 + 17 = 13230 + 17 = 13247$$

$$5. \text{ Dividend} = \text{divisor} \times \text{quotient} + \text{remainder} \\ = 65 \times 56 + 40 = 3640 + 40 = 3680.$$

Exercise 3E

1. (a) 689 (b) 0 (c) 1 (d) 1 (e) 0
 (f) 1008 (g) 1 (h) 1 (i) 1

2. (a) In the number 345

Remainder is the digit at the ones place i.e. 5

And rest part of the number is quotient i.e. 34.

- (b) In the number 3247

Remainder is the digit at the ones place i.e. 7

And rest part of the number is quotient i.e. 324.

- (c) In the number 6843

Remainder is the digit at the ones place i.e. 3

And rest part of the number is quotient i.e. 684.

- (d) In the number 98473

Remainder is the digit at the ones place i.e. 3 and the rest part of the number is quotient i.e. 9847.

- (e) In the number 234

The digit at the tens and ones place are remainder i.e. 34 and rest part of the number i.e. 2 is quotient.

- (f) In the number 1738

The digit at the tens and ones place is remainder i.e. 38 and rest part of the number i.e. 17 is quotient.

- (g) In the number 23984

The digit at the tens and ones place is remainder i.e. 84. And rest part of the number is quotient i.e. 239.

- (h) In the number 684785

The digit at the tens and ones place is remainder i.e. 85. And rest part of the number is quotient i.e. 6847.

- (i) In the number 6378
The digit at hundreds, tens and ones place is remainder i.e. 378 and rest part of the number is quotient i.e. 6.
- (j) In the number 12478
The digit at hundreds, tens and ones place is remainder i.e. 478 and rest part of the number is quotient i.e. 12.
- (k) In the number 238948
The digit at hundreds, tens and ones place is remainder i.e. 948 and rest part of the number is quotient i.e. 238.
- (l) In the number 764125
The digit at hundreds, tens and ones place is remainder i.e. 125 and rest part of the number is quotient i.e. 764.

Exercise 3F

1. Total number of crayons = 6420
Number of crayons in 1 pack = 15
Number of packs = $6420 \div 15 = 428$
2. Cost of 1 glass of lemonade = ₹ 35
Cost of 2135 glasses of lemonade = $35 \times 2135 = ₹ 74,725$
Thus, she collected ₹ 74,725 for donation.
3. Total number of students = 4830
Number of students in each classroom = 35
Thus, number of classrooms in school = $4830 \div 35 = 138$
4. Total money saved = ₹ 3240
Number of months = 24
Money saved in every month = $3240 \div 24 = ₹ 135$
5. Total number of books = 19874
Number of books each shelf can hold = 38 books
Thus, number of shelves required = $19874 \div 38 = 523$ shelves.
6. Product of two numbers = 8928
One number = 24
Thus, other number = $8928 \div 24 = 372$

7. Number of days in 1 year = 365
Number of days in 28 years = $365 \times 28 = 10220$ days
8. Total amount of rice = 17,745 kg
Quantity of rice each family got = 35 kg
Thus, number of families = $17745 \div 35 = 507$ families
9. Number of five hundred rupee notes = 178
Thus, total money deposited in bank = $178 \times 500 = ₹ 89,000$
10. Number of copies printer can print in an hour = 475
Number of copies printer can print in 72 hours = 475×72
 $= 34,200$ copies
11. Total amount collected = ₹ 3,09,375
Amount collected from each flat = ₹ 75
Number of flats in society = $₹ 309375 \div 75 = 4,125$ flats
12. Number of sheets in 1 ream = 500
Number of sheets in 36 reams = $36 \times 500 = 18000$ sheets
Number of sheets given to each student = 90
Thus, number of students getting the sheets = $18000 \div 90$
 $= 200$ students

Review Time

- I. 1. (b) 2. (a) 3. (c) 4. (a) 5. (c) 6. (c)
7. (b) 8. (c) 9. (a) 10. (b)
- II. 1. 1 2. 0 3. 0 4. 1000 5. divisor
6. 44,640 7. 34,000
- III. 1. Number of boxes in 745 rooms = $46 \times 745 = 34270$
2. Number of newspaper packed in 1056 boxes = 805×1056
 $= 8,50,080$
3. Number of newspapers printed by 107 printing machines per
day = $107 \times 4578 = 489846$