ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,
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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-

Warm Up

Number of boxes required

= 6495 ÷ 50

= 129 (remainder 45)

```
      129
50) 6495
   -50
    149
   -100
     495
    -450
      45
```

```
     1282
   ×  129
   ------
    11538
    25640
 + 128200
   ------
   165370
```

Money earned = ₹1282 × 129

= ₹1,65,370

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 × 70 = (2369 × 7) × 10 = 16583 × 10 = 165830

(b) 861 × 900 = (861 × 9) × 100 = 7749 × 100 = 774900

(c) 9297 × 5000 = (9297 × 5) × 1000 = 46485 × 1000 = 46485000

(d) 6359 × 3000 = (6359 × 3) × 1000 = 19077 × 1000 = 19077000

3. **(a)** 83 × 96 = 83 × (100 – 4) = 83 × 100 – 83 × 4

= 8300 – 332 = 7968

(b) 58 × 107 = 58 × (100 + 7) = 58 × 100 + 58 × 7

= 5800 + 406 = 6206

(c) 73 × 998 = 73 × (1000 – 2) = 73 × 1000 – 73 × 2

= 73000 – 146 = 72854

(d) 18 × 3065 = 18 × (3000 + 60 + 5) = 18 × 3000 + 18 × 60 + 18 × 5

= 54000 + 1080 + 90 = 55170

Exercise-2

(iii) Number of pages in one book = 328

Number of pages in 2,27,125 books

= 328 × 227125

= 74497000

```
  227125
×    328
--------
 1817000
 4542500
+6813750
--------
 74497000
```

(b) (i) Cost of one chair = ₹ 398

Cost of 15346 chairs = 15346 × ₹ 398

= ₹ 61,07,708

```
  15346
×   398
-------
 122768
1381140
+4603800
-------
 6107708
```

(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 × 1460 litres

= 654080 litres

```
  1460
×  448
-------
 11680
 58400
+584000
-------
 654080
```

2. (a)

```
  26854
×    84
-------
 107416
+2148320
--------
 2255736
```

(b)

```
  19807
×    72
-------
  39614
+1386490
--------
 1426104
```

(c)

```
  31734
×   372
--------
  63468
 2221380
+9520200
--------
 11805048
```

(d)

```
  42135
×   533
-------
 126405
1264050
+2106750
--------
 2245795
```

(e)

```
  4225
× 2805
-------
 21125
 00000
338000
+8450000
--------
 11851125
```

(f)

```
  9219
×  588
-------
 73752
276570
7375200
+4609500
--------
 5382052
```

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 × 24

= ₹ 11,58,960

```
  48290
×    24
-------
 193160
+965800
-------
 1158960
```

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 ÷ 10	516	4
(b) 62847 ÷ 10	6284	7
(c) 723456 ÷ 100	7234	56
(d) 612345 ÷ 100	6123	45
(e) 817567 ÷ 1000	817	567
(f) 1745678 ÷ 1000	1745	678
(g) 42244224 ÷ 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 ÷ 125 = ₹ 25,555

```
      25555
125 ) 3194375
     -250
      ----
       694
      -625
      ----
       693
      -625
      ----
        687
       -625
       ----
         625
        -625
        ----
           0
```

(b) (iv) Other number = 2,69,928 ÷ 552 = 489

```
       489
552 ) 269928
     -2208
      ----
       4912
      -4416
      -----
        4968
       -4968
       -----
           0
```

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

= 52,650 ÷ 975 = 54

```
       54
975 ) 52650
     -4875
      ----
       3900
      -3900
      -----
          0
```

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

= 6,48,550 ÷ 1526 = 425

```
       425
1526 ) 648550
      -6104
       ----
        3815
       -3052
       -----
         7630
        -7630
        -----
            0
```

2. (a)

```
      224
115 ) 25766
     -230
      ----
       276
      -230
      ----
       466
      -460
      ----
          6
```

Q = 224, R = 6

Checking:

Dividend = Divisor × Quotient + Remainder

= 115 × 224 + 6 = 25760 + 6

= 25766

```
      224
    × 115
    -----
     1120
     2240
  +22400
  -------
   25760
```

(b)

```
        79
533 ) 42135
      -3731
       4825
      -4797
         28
```

Q = 79, R = 28

Checking :

Dividend = Divisor × Quotient + Remainder

= 533 × 79 + 28 = 42107 + 28

= 42135

```
   533
  × 79
  4797
+37310
 42107
```

(c)

```
         1
5838 ) 9219
      -5838
       3381
```

Q = 1, R = 3381

Checking :

Dividend = Divisor × Quotient + Remainder

= 5838 × 1 + 3381 = 5838 + 3381

= 9219

(d)

```
          1457
3135 ) 4567890
       -3135
        14328
       -12540
         17889
        -15675
          22140
         -21945
            195
```

Q = 1457, R = 195

Checking :

Dividend = Divisor × Quotient + Remainder

= 3135 × 1457 + 195 = 4567695 + 195

= 4567890

```
   3135
  × 1457
  21945
 156750
1254000
+3135000
4567695
```

3. Total cost of 216 shirts

= ₹ 3,35,232

Cost of one shirt

= ₹ 3,35,232 ÷ 216 = ₹ 1552

```
        1552
216 ) 335232
      -216
       1192
      -1080
        1123
       -1080
         432
        -432
           0
```

4. The greatest 8-digit number

= 99999999

The greatest 3-digit number = 999

```
          100100
999 ) 99999999
       -999
         09
         -0
         99
         -0
        999
       -999
         09
         -0
         99
         -0
         99
```

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) $75 \times 3 + 48 \div 4 - 108 = 75 \times 3 + 12 - 108 = 225 + 12 - 108 = 237 - 108 = 129$