



Half-Yearly Examinations

50

[Time : 2½ Hours]

Class : V Vikram Lotus Mathematics

[Max. Marks : 50]

Name :

Class :

Section :

Roll No :

Syllabus : Lotus Term Book : Term - 2

Summative Assessment

I. Solve the following word problems.

(5 x 2 = 10M)

- 1) The weight of a jar of sweets is 1.4 kg. What is the total weight of 7 such jars ?

Sol.

- 2) Pooja got a 40 % off on purchasing a football priced at ₹ 750. How much did Pooja pay for the ball ?

Sol.

- 3) Anand bought a cycle for ₹ 6,500. He spent ₹ 500 on paint and ₹ 1,000 on a few parts. At what price should he sell to make a profit of 10% ?

Sol.

- 4) If Principal = ₹ 2,000, Rate of Interest = $2\frac{1}{2}$ %, Time = 3 years. Find the simple interest.

Sol.

- 5) 6 out of every 10 cars on the road is white . What percentage of cars are white ?

Sol.

II. Arrange the following from smallest to greatest.

(4 x 1 = 4M)

- 1) 2.43, 3.15, 2.73, 1.97 : _____
- 2) 12.42, 1.242, 124.2, 0.1242 : _____
- 3) 2.001, 2.010, 2.100, 2.0001 : _____
- 4) 327.1, 327.4, 336.43, 343.413 : _____

III. The shopping bill of five customers in a super store is as follows :

(2M)

| | |
|------------|------|
| Customer 1 | 2500 |
| Customer 2 | 1750 |
| Customer 3 | 2640 |
| Customer 4 | 2445 |
| Customer 5 | 1900 |

What is the average shopping bill of the 5 customers ?

IV. Express the following decimals as percent.

(3 x 1 = 3M)

- 1) 0.432 : _____ 2) 0.008 : _____
- 3) 2.79 : _____

Formative Assessment

I. Complete the table given below.

(5M)

| Sr. No. | Cost Price | Selling Price | Profit / Loss | Profit / Loss in Rs. | % of Profit / Loss |
|---------|------------|---------------|---------------|----------------------|--------------------|
| 1. | ₹ 4,000 | ₹ 4,200 | | | |
| 2. | ₹ 6,100 | ₹ 5,800 | | | |
| 3. | ₹ 25 | ₹ 830 | | | |
| 4. | ₹ 2,150 | ₹ 2000 | | | |
| 5. | ₹ 3,720 | ₹ 3,500 | | | |

II. Find the selling price when :

(3 x 1 = 3M)

- 1) Cost price = 875, profit % = 5 % : _____
- 2) Cost price = 480, gain % = $12\frac{1}{2}$ % : _____
- 3) Cost price = 675, loss % = 12 % : _____

III. Subtract the following :

(2 x 1 = 2M)

1)
$$\begin{array}{r} 3.73 \\ - 2.15 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 156.005 \\ - 23.150 \\ \hline \end{array}$$

IV. Convert the following fractions to decimals.

(3 x 1 = 3M)

- 1) $2\frac{1}{8}$: _____
- 2) $1\frac{2}{5}$: _____
- 3) $\frac{3}{4}$: _____

V. Round each number to the underlined place value position.

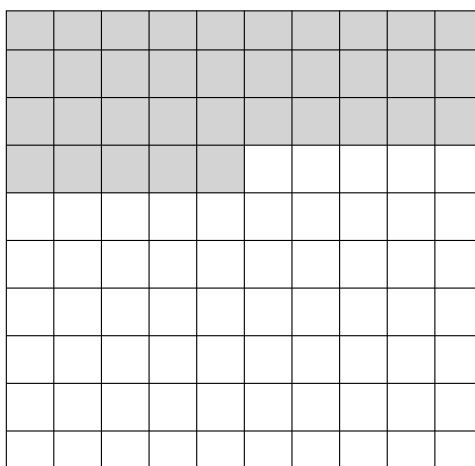
(6 x $\frac{1}{2}$ = 3M)

- 1) 18.99 : _____
- 2) 4.231 : _____
- 3) 17.28 : _____
- 4) 7831.193 : _____
- 5) 0.4376 : _____
- 6) 464.478 : _____

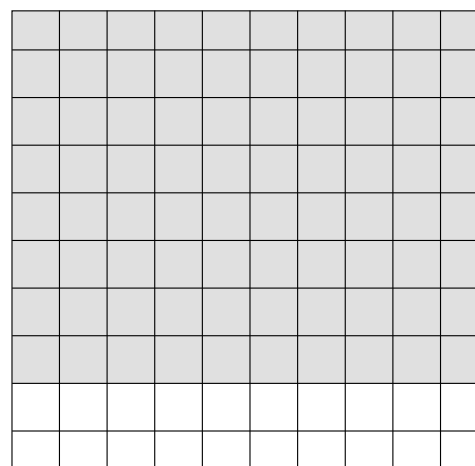
VI. Express the shaded portions of the given figures as.

(2 x 1 = 2M)

1) Fraction



2) Decimal



VII. Fill in the blanks.

(5M)

| Sr. No. | Principal (P) | Rate % (R) | Time (T) | Simple Interest (S.I.) | Amount (A) |
|---------|---------------|------------|----------|------------------------|------------|
| 1. | ₹ 3,000 | 10 % | 1 | | |
| 2. | ₹ 5,000 | 8 % | 2 | | |
| 3. | ₹ 3,200 | 4 % | 1 | | |
| 4. | ₹ 6,000 | 5 % | 3 | | |
| 5. | ₹ 4,800 | 6 % | 4 | | |

VIII. Compare the two decimal numbers and fill in the appropriate sign in the blank >, <, =

(4 x 1/2 = 2M)

1) 3.14 _____ 2.79

3) 0.734 _____ 0.70

2) 132.04 _____ 123.04

4) 4.631 _____ 4.631

IX. Multiply.

(3 x 1 = 3M)

$$\begin{array}{r} 1) \ 5.00 \\ \times 8.70 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 194.00 \\ \times 8.71 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ 2.98 \\ \times 245.00 \\ \hline \end{array}$$

X. Convert the fractions into decimals.

(3 x 1 = 3M)

1) $\frac{13}{10}$

2) $12\frac{3}{100}$

3) $\frac{496}{100}$

