PVG's

Muktangan English School & Jr College Pune - 09

Formative Written Test II (2024-25)

Standard VI

Subject : Mathematics Marks : 20

Date : 18.01.2025

Q1. A) Fill in the blanks by choosing the correct alternatives from those given in the brackets and rewrite the statement. (2)

1) Loss = _____ - Selling Price

a) Profit b) Cost Price c) Transport Price

2) Find the value of m.

7m = 56 ∴ m = _____

B) State whether the following statements are true or false and rewrite the correct statements. (2)

1. When finding the ratio of two quantities of the same kind their measures can be of different units.
2. The value of the variable which balances or satisfies the equation is called the 'solution' to the equation.

Q2. Attempt any three of the following (6)

1) If Cost Price = ₹ 700, Selling Price = ₹ 799. Find whether profit or loss ? By how much?

2) Find the cost of 8kg of rice; if the cost of 10kg rice is ₹ 325 ?

3) Shabana scored 736 marks out of 800 in her exams. What was the percentage she scored?

Solution:-

Shabana scored = ☐ marks

Total number of marks = 800

$\therefore$ Percentage = $\frac{736}{800}$ x ☐

$= \frac{\square}{800}$

= ☐

4) Solve:- (-15)= t - 7

find the value of t.

Q3. Attempt any two of the following **(6)**

1) Reema has 24 notebooks and 18 storybooks. Find the ratio of notebooks to storybooks ?

2) A shopkeeper bought a bicycle for ₹ 3854 and sold the same for ₹ 4000. Whether it was a profit or loss ? By how much was it ?

Solution:-

1) Cost price of bicycle = ₹ 3854

2) Selling price of bicycle = ☐

∴ ☐ = ☐ - ☐

= ☐ - 3854

= ☐

3) Write the equation by using a letter.

a) The product of 15 and another number.

b) The sum of a certain number and 5 is 19.

c) The difference obtained by subtracting 13 from another number gives 53.

Q4. Attempt any one of the following. **(4)**

1) There are 500 students in the school in Dahihanda village. If 350 of them can swim, what percent of them can swim and what percent cannot swim?

Solution:-

Total number of students= 500

Number of students who can swim = ☐

Number of students who cannot swim = ☐ - ☐

= ☐

∴ Percentage of students who can swim = $\frac{\square}{500}$ x 100

= ☐

∴ Percentage of students who cannot swim

$= \frac{\text{No.of students who cannot swim}}{500} \times 100$

$= \frac{\square}{500} \times 100$

= ☐

2) Maganlal bought trousers for ₹ 400 and shirt for ₹ 200 and sold them for ₹ 448 and ₹ 250 respectively. Which of these transactions are more profitable?

❖❖❖