



# Dr. A. Q. Khan School System

A Project of the Dr. A. Q. Khan Education System Pvt. Ltd.

## Second Quarter Test 2021-22

Class: VI

Subject: Mathematics

Marks Obtained:

Total Marks: 30

Student Name:

Teacher Sign:

### Objective = 5

#### 1. State whether the statements are True or False.

2.5

- i)  $(-32) \times 0 = 0$
- ii) Cost price = Sale price – Loss
- iii) A ratio has no unit.
- iv) Loan can be given for less than 1 year or more than 1 year
- v)  $27 + (-27) = 54$


#### 2. Choose the correct option.

2.5

1) 24: 36: 48 in its simplest form will be

A. 12: 18: 24

B. 2: 3: 4

C. 4: 6: 8

2) The value of  $5 \times (-3) - (-3)$  is

A. 12

B. -18

C. -12

3) If  $100\% = 120$ , then

A.  $70\% = \text{Rs } 84$

B.  $30\% = \text{Rs } 84$

C.  $20\% = \text{Rs } 84$

4) The cost price is the price at which a seller \_\_\_\_\_ a good.

A. Sells

B. Buys

C. None of

5)  $P : 6 = 3 : 9$

A. 2

B. 6

C. 9

**Constructed Response= 15****1. Attempt all parts.****5 x 2 =10**

- 1) Find the fourth proportional to 2, 3, and 6.
- 2) Find the simple interest on Rs 1100 for 3 years at 5% per annum.
- 3) Simplify  $(-107) - (-97) + (-10)$
- 4) Find the ratio of 6.4 and 8.
- 5) If a dozen egg cost Rs 36, find the cost of 7 eggs.

**2. Attempt all parts.****2.5 x 2=5**

- 1) The sum of two integers is -129. If one of them is 150, find the other.
- 2) Fill in the blank.  $\frac{3}{5} = \frac{1.2}{\underline{\quad}} = \frac{\underline{\quad}}{5/4}$

**Extended Response = 10****Attempt all.****5x2=10**

- 1) Ahmad earns Rs 5400 in a month and spends Rs 4500. Find the ratio of
  - i) His income to his expenditure;
  - ii) His expenditure to his saving;
  - iii) His income to his savings;
- 2) **Solve:**
  - i) An old book was bought for Rs 1520 and sold for Rs 1444. Find the loss per cent (%).
  - ii) What per cent of 240 is 30?