



JAMMU SANSKRITI SCHOOL, JAMMU
LEARN FOR LIFE
ASSIGNMENT FOR THE MONTH OF AUGUST
SESSION (2024-25)



NAME:

ROLL NO:

CLASS: 7th

SUBJECT : Maths

TOPIC – RATIONAL NUMBERS

MULTIPLE CHOICE QUESTIONS

1. The product of $\frac{3}{4}$ and $\frac{4}{3}$ is:
 - a) $\frac{9}{16}$
 - b) $\frac{16}{9}$
 - c) $\frac{7}{8}$
 - d) 1
2. The value of $\frac{2}{3} \div \frac{1}{2}$ is:
 - a) $\frac{1}{3}$
 - b) $\frac{4}{3}$
 - c) $\frac{7}{6}$
 - d) $\frac{5}{3}$
3. On dividing 0.2750 by 100 we get :
 - a) 27.50
 - b) 0.002750
 - c) 275
 - d) 2.75
4. When we multiply 0.05 by 0.05 we get :
 - a) 0.25
 - b) 0.0025
 - c) 0.0250
 - d) 25
5. Every integer is also a :
 - a) Natural number
 - b) Whole number
 - c) Rational number
 - d) Irrational number
6. The number 0 is not a / an :

- a) Natural number
- b) Whole number
- c) Integer
- d) Rational number

7. Assertion: -39×10 is a rational number.

Reason: A number that can be expressed in the form p/q , where p and q are integers and $q \neq 0$, is called a rational number.

- a) If both assertion and reason are true and reason is the correct explanation of assertion.
- b) If both assertion and reason are true but reason is not the correct explanation of assertion.
- c) If assertion is true but reason is false.
- d) If assertion is false but reason is true.

ANSWER THE FOLLOWING QUESTIONS:

1. A chip is rectangular in shape .It is $2\frac{1}{3}$ cm long and $1\frac{2}{3}$ cm wide .Find its perimeter.
2. Find the distance covered by a car in $3\frac{3}{4}$ hours if it travels at a uniform speed of 60 km per hour.
3. The cost price of one ice cream is Rs 4.75.Find the cost of money spent if 100 people had ice cream.
4. A car travels 47.25 km in 15 l of petrol. Find the distance travelled by the car in 1 l petrol .
5. The sum of rational number $\frac{1}{2}$ and its additive inverse is :
6. The value of $\frac{3}{8} \div \frac{6}{4}$ is :

CASE STUDY

Karan, an electrician, undertook the wiring job of a building. He bought $8\frac{1}{3}$ bundles of an electric cable. Each bundle had $184\frac{4}{5}$ m of cable.

1. Find the total length of the cable bought by Karan.
2. If the cost of the cable is ₹ $7\frac{3}{4}$ per meter, find the amount paid by Karan.
3. Karan used $3\frac{3}{4}$ bundles of cable for wiring in the first floor of the building. What length of the cable was used for the first floor?
4. Karan cut a length of $13\frac{4}{5}$ m from a bundle and divided the remaining cable of this bundle into pieces of length 19 m each. How many pieces of 19 m did he get?

