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Set 1



INDIAN SCHOOL SOHAR
PERIODIC TEST 1 2017-18
MATHEMATICS

Date: 16.05.2017
Class: VIII

Marks: 20
Time: 40 Minutes

SECTION-A
(Each question carries 1 mark)

1. Name the property of rational numbers described in the statement “Product of two rational numbers is always a rational number”.
2. Is $1\frac{2}{3}$ the multiplicative inverse of $\frac{3}{5}$? Why or why not?
3. Find the solution of the equation $\frac{3x}{5} = 12$.

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SECTION-A
(Each question carries 1 mark)

1. Find the solution of the equation $\frac{5x}{3} = 25$.
2. Name the property of rational numbers described in the statement “Sum of two rational numbers is always a rational number”.
3. Is $2\frac{1}{3}$ the multiplicative inverse of $\frac{3}{7}$? Why or why not?

SECTION-B
(Each question carries 2 marks)

4. Solve the equation $\frac{x}{2} + \frac{x}{3} - \frac{x}{4} = 7$
5. Insert four rational numbers between $\frac{-2}{5}$ and $\frac{-2}{3}$.

SECTION-C

(Each question carries 3 marks)

- Find the value using appropriate properties: $\left(\frac{6}{11} \times \frac{-7}{5}\right) - \frac{3}{5} + \left(\frac{6}{11} \times \frac{5}{3}\right)$
- Represent the numbers $\frac{-5}{6}, \frac{-2}{3}, \frac{-1}{2}, 0, \text{ and } -1$ on a number line. (Only one number line is to be made).
- A sum of Rs 390 is in the form of denominations Rs 10 and Rs 20. If the total number of notes is 28, find the number of notes of each type.

SECTION-D

(Each question carries 4 marks)

- The sum of the digits of a two digit number is 13. If the digits are interchanged the new number is 9 more than the original number. Find the original number.

SECTION-B

(Each question carries 2 marks)

- Insert four rational numbers between $\frac{-2}{5}$ and $\frac{-1}{3}$.
- Solve the equation $\frac{x}{2} + \frac{x}{3} - \frac{x}{4} = 7$

SECTION-C

(Each question carries 3 marks)

- Represent the numbers $\frac{-1}{6}, \frac{-2}{3}, \frac{-1}{2}, 0, \text{ and } -1$ on a number line. (Only one number line is to be made).
- Find the value using appropriate properties: $\left(\frac{6}{11} \times \frac{-7}{5}\right) - \frac{3}{5} + \left(\frac{6}{11} \times \frac{5}{3}\right)$
- A sum of Rs 380 is in the form of denominations Rs 10 and Rs 20. If the total number of notes is 26, find the number of notes of each type.

SECTION-D

(Each question carries 4 marks)

- The sum of the digits of a two digit number is 15. If the digits are interchanged the new number is 9 more than the original number. Find the original number.