



INDIAN SCHOOL SOHAR
PERIODIC TEST 1 2018-19
MATHEMATICS

Date: 20.05.2018

Class: VIII

Maximum Marks: 20

Time: 45 Minutes

SECTION-A (Each question carries 1 mark)

1. Is $\frac{5}{7}$ the additive inverse of $-1\frac{2}{5}$? Why or why not?
2. Find the multiplicative inverse of $\frac{-3}{5} \times \frac{2}{7}$.
3. Find the solution of the equation $7x - 9 = 16$

SECTION-B (Each question carries 2 marks)

4. Solve the equation $x = \frac{4}{5}(x + 10)$
5. Insert four rational numbers between $\frac{-1}{7}$ and $\frac{-2}{5}$.



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SECTION-A (Each question carries 1 mark)

1. Find the multiplicative inverse of $\frac{-3}{5} \times \frac{2}{7}$.
2. Is $\frac{5}{7}$ the additive inverse of $-1\frac{2}{5}$? Why or why not?
3. Find the solution of the equation $7x - 9 = 11$

SECTION-B (Each question carries 2 marks)

4. Solve the equation $x = \frac{3}{5}(x + 10)$
5. Insert four rational numbers between $\frac{-2}{7}$ and $\frac{-1}{6}$.

SECTION-C (Each question carries 3 marks)

6. Find the value using appropriate properties: $\left(\frac{3}{7} \times \frac{-2}{5}\right) - \frac{2}{7} + \left(\frac{1}{7} \times \frac{-2}{5}\right)$
7. Represent the numbers $\frac{-2}{3}, \frac{2}{3}, \frac{1}{2}, \frac{1}{6}, \frac{-1}{2}, 1, 0, \text{ and } -1$ on a number line. (Only one number line is to be made).
8. The denominator of a rational number is greater than its numerator by 4. If the numerator is increased by 5 and the denominator decreased by 1, the number obtained is $\frac{6}{5}$. Find the rational number.

(OR)

A grandfather is 10 times older than his granddaughter. He is also 81 years older than her. Find their present ages.

SECTION-D (Each question carries 4 marks)

9. Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3 and 4 respectively they add up to 110. Find the integers.

(OR)

The sum of three consecutive multiples of 7 is 189. Find the multiples.

SECTION-C (Each question carries 3 marks)

6. Represent the numbers $\frac{-2}{3}, \frac{2}{3}, \frac{1}{2}, \frac{1}{6}, \frac{-1}{2}, 1, 0, \text{ and } -1$ on a number line. (Only one number line is to be made).
7. The denominator of a rational number is greater than its numerator by 4. If the numerator is increased by 5 and the denominator decreased by 1, the number obtained is $\frac{6}{5}$. Find the rational number.

(OR)

A grandfather is 10 times older than his granddaughter. He is also 81 years older than her. Find their present ages.

8. Find the value using appropriate properties: $\left(\frac{3}{7} \times \frac{-2}{5}\right) - \frac{2}{7} + \left(\frac{1}{7} \times \frac{-2}{5}\right)$

SECTION-D (Each question carries 4 marks)

9. Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3 and 4 respectively they add up to 92. Find the integers.

(OR)

The sum of three consecutive multiples of 7 is 168. Find the multiples