

St. Andrews Scots School

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Session: 2025-26

Class: VIII	Subject: Mathematics	Topic: Rational Number	Worksheet - 01
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Multiple Choice Questions.

Q1. If $\frac{4}{3} = \frac{x}{12}$ then $x = \dots\dots\dots$

- (a) 3 (b) 16 (c) 1 (d) 12

Q2. The rational number $\frac{21}{-28}$ in standard form is $\dots\dots\dots$

- (a) $-\frac{3}{4}$ (b) $\frac{3}{4}$ (c) $\frac{3}{7}$ (d) $-\frac{3}{7}$

Q3. The product of $\frac{2}{9}$ and $\frac{27}{8}$ is $\dots\dots\dots$

- (a) $\frac{3}{4}$ (b) $\frac{13}{4}$ (c) $\frac{3}{7}$ (d) $-\frac{3}{7}$

Q4. Which of the following cannot be a rational number?

- (a) $\frac{0}{5}$ (b) $\frac{0}{-5}$ (c) $\frac{5}{0}$ (d) $-\frac{1}{2}$

Q5. The reciprocal of a negative rational number is

- (a) always positive (b) always negative
(c) always 1 (d) always 0.

Q6. The standard form of $\frac{55}{-99}$ is $\dots\dots\dots$

- (a) $\frac{5}{9}$ (b) $-\frac{5}{9}$ (c) $-\frac{55}{99}$ (d) $-\frac{99}{55}$

Q7. A rational number is a number that can be put in the form $\frac{p}{q}$, where p and q are:

- (a) Natural numbers and $q \neq 0$
(b) P and q are whole numbers only
(c) P and q are integers and co-prime, $q \neq 0$

Q8. A fraction is a rational number, and a rational number:

- (a) can never be a fraction. (b) may or may not be a fraction.
(c) is also a fraction.

Q9. If $\frac{3}{4} = \frac{x}{28}$, then $x =$

- (a) 5 (b) 21 (c) 9 (d) 10

Q10. Which of the following is correct?

- (a) $1-2 > -13$ (b) $1-2 < -1$ (c) $1-2 = -13$