CBSE Worksheet-1

CLASS - VII Mathematics (Rational Numbers)

Choose correct option in questions 1 to 4.

1. Rewrite $\frac{-44}{72}$ in the simplest form.
   a. $\frac{-11}{8}$ b. $\frac{-18}{11}$ c. $\frac{-11}{19}$ d. $\frac{-11}{20}$

2. The sum of two rational numbers is –8, one number is $\frac{3}{4}$, find other.
   a. $\frac{-4}{35}$ b. $\frac{-35}{4}$ c. $\frac{35}{4}$ d. $\frac{4}{35}$

3. Which of the rational number is positive?
   a. $\frac{9}{-15}$ b. $\frac{-2}{3}$ c. $\frac{3}{7}$ d. $\frac{-4}{13}$

4. Write the rational number whose numerator is 4 × (-7) and denominator is (3 -7) × (15 - 11).
   a. $\frac{16}{28}$ b. $\frac{8}{13}$ c. $\frac{13}{8}$ d. $\frac{28}{16}$

Fill in the blanks with the correct symbol out of >, < and =.

5. $\frac{-1}{3}$ ___ $\frac{-1}{4}$

6. 0 ___ $\frac{-7}{6}$

7. $\frac{5}{-11}$ ___ $\frac{-5}{11}$

8. Do $\frac{4}{-9}$ and $\frac{-16}{36}$ represent the same rational numbers?

9. Write the following rational numbers in ascending order: $\frac{-3}{7}, \frac{-3}{2}, \frac{-3}{4}$

10. Simplify: $\frac{13}{4} + \frac{-12}{5} + \frac{-3}{4} + \frac{2}{3} + \frac{-3}{5} + \frac{4}{3}$.

11. From his home, Rahul walks 6/7 km towardsschool and then returns 5/6 km on the sameway towards his home to reach a landmark. Where will he be now from his home?

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Answer key

1. a

2. b

3. c

4. d

5. <

6. >

7. =

8. yes

9. $\frac{-3}{7} < \frac{-3}{4} < \frac{-3}{2}$

10. $\frac{-1}{2}$

11. $\frac{1}{42}$ km