

Worksheet

Grade 7 - Mathematics

Chapter 10 – Operations on Rational Numbers

- A. Choose the correct option.
 - 1) A spider descends $\frac{7}{4}$ cm per seconds. If it is at level 0, what will be the elevation after 5 seconds? Take descending direction as negative and ascending as positive.

a)
$$\frac{34}{4}$$
 cm b) 0 cm c) $\frac{-35}{4}$ d) $\frac{-7}{20}$

2) If The price of tomato is ₹40 per kg on Monday. It reduces by $\frac{7}{2}$ on Tuesday and rises by $\frac{10}{4}$ on Wednesday. What is its final price?

3) Piyush walked $\frac{29}{8}$ km towards north and from there, walked $\frac{9}{2}$ km towards south. Where will he be now with respect to the starting point?

a) $\frac{7}{8}$ km north b) $\frac{7}{8}$ km south c) $\frac{5}{8}$ km south d) $\frac{7}{8}$ km west

4) Which of the following lies between $\frac{-3}{8}$ and $\frac{5}{8}$?

a)
$$\frac{-5}{16}$$
 b) $\frac{-1}{2}$ c) $\frac{3}{4}$ d) $\frac{14}{16}$

5) Which of these is less than $\frac{-1}{2}$?

a) 0 b)
$$\frac{1}{2}$$
 c) $\frac{-5}{6}$ d) $\frac{-2}{5}$

- **B.** State whether true or false.
- **1)** Absolute value of $\frac{-1}{5}$ is $\frac{1}{5}$.
- 2) There are no rational numbers between 3 and 4.
- **3)** If you subtract $\frac{-1}{4}$ from $\frac{1}{4}$, the result is 0.

4) You cannot subtract a larger rational number from a smaller one. 5) If you divide 1 by $\frac{-9}{5}$, the result is $\frac{-5}{9}$.

C. Fill in the blanks.

