

Q1. The average of the two extreme rational numbers, if $-7/4$, $-4/3$, $-3/5$, $1/4$ are arranged in ascending order is _____.

- A. $-3/4$
- B. $-13/24$
- C. $-7/16$
- D. $-21/32$

Q2. The average of the two extreme rational numbers, if $-7/6$, $-3/4$, $-4/7$, $9/5$ are arranged in ascending order is _____.

- A. $8/15$
- B. $19/60$
- C. $11/30$
- D. $8/45$

Q3. If $x/y = 1/2$, the the value of $\{2/9 + [(y+x)/(y-x)]\}$ equals

- A. $29/11$
- B. $29/9$
- C. $61/17$
- D. $57/20$

Q4. The average of the two extreme rational numbers, if $-5/7$, $-2/3$, $-3/5$, $1/2$ are arranged in ascending order is _____.

- A. $-\frac{1}{4}$
- B. $-\frac{3}{28}$
- C. $-\frac{1}{14}$
- D. $-\frac{2}{21}$

Q5. If $\frac{x}{y} = \frac{4}{3}$, the the value of $\left\{ \frac{5}{2} - \frac{(y+x)}{(y-x)} \right\}$ equals

- A. $\frac{39}{4}$
- B. $\frac{19}{2}$
- C. $\frac{29}{4}$
- D. $\frac{41}{6}$

Q6. The average of the two middle rational numbers, if $\frac{4}{7}$, $\frac{8}{9}$, $\frac{4}{3}$, $\frac{10}{3}$ are arranged in ascending order is _____.

- A. $\frac{32}{27}$
- B. $\frac{29}{27}$
- C. $\frac{10}{9}$
- D. $\frac{65}{54}$

Q7. The product of two rational numbers is the reciprocal of $\frac{4}{5}$. If one of the rational numbers is -5 , then find the additive inverse of other rational number.

- A. $\frac{1}{4}$
- B. $\frac{1}{3}$
- C. $\frac{4}{17}$
- D. $\frac{7}{23}$

Q8. Divide the sum of $-\frac{2}{5}$ and -9 by their product.

A. $-\frac{237}{86}$

B. $-\frac{47}{18}$

C. $-\frac{8}{3}$

D. $-\frac{79}{30}$

Q9. If $\frac{x}{y} = \frac{1}{2}$, the the value of $\{-1 - \frac{(y-x)}{(y+x)}\}$ equals

A. $-\frac{1}{4}$

B. $-\frac{1}{3}$

C. $-\frac{12}{13}$

D. $-\frac{4}{3}$

Q10. The product of two rational numbers is $-\frac{28}{9}$. If one of the numbers is $\frac{7}{9}$, then the other number is _____.

A. -2

B. -7

C. 0

D. -4

Answer Sheet

Q1. A	Q2. B	Q3. B
Q4. B	Q5. B	Q6. C
Q7. A	Q8. B	Q9. D
Q10. D		

WONDERKIDS