

1. The product of two rational numbers is $\frac{15}{16}$. If one of the numbers is $\frac{5}{4}$, what is the other number?

- (A) $\frac{75}{64}$ (B) $\frac{25}{64}$ (C) $\frac{25}{4}$ (D) $\frac{3}{4}$

2. Find the number that, when added to $\frac{1}{8}$ results in $\frac{5}{18}$.

- (A) $\frac{11}{72}$ (B) $\frac{2}{9}$ (C) $\frac{4}{7}$ (D) $\frac{5}{72}$

3. A recipe for French toast needs $\frac{3}{4}$ litres of milk. If you want to make only $\frac{2}{3}$ of the recipe, how much milk should you use?

- (A) $\frac{1}{7}l$ (B) $\frac{1}{5}l$ (C) $\frac{2}{3}l$ (D) $\frac{1}{2}l$

4. Which of the following is the correct descending order of $\frac{-3}{4}$, $\frac{-1}{2}$, $\frac{3}{8}$ and $\frac{5}{6}$?

- (A) $\frac{-3}{4}$, $\frac{-1}{2}$, $\frac{5}{6}$, $\frac{3}{8}$ (B) $\frac{-3}{4}$, $\frac{-1}{2}$, $\frac{3}{8}$, $\frac{5}{6}$
(C) $\frac{5}{6}$, $\frac{3}{8}$, $\frac{-1}{2}$, $\frac{-3}{4}$ (D) $\frac{-1}{2}$, $\frac{-3}{4}$, $\frac{3}{8}$, $\frac{5}{6}$

5. The sum of two rational numbers is -5 . If one of the numbers is $\frac{-3}{5}$, what is the other number?

- (A) $-4\frac{2}{5}$ (B) $4\frac{8}{5}$ (C) $\frac{-6}{5}$ (D) $4\frac{6}{5}$



6. Divide the sum of $\frac{65}{12}$ and $\frac{12}{7}$ by their difference.

(A) $\frac{599}{311}$

(B) $\frac{680}{216}$

(C) $\frac{642}{133}$

(D) $\frac{501}{301}$

7. The sum of the additive inverse and multiplicative inverse of $\frac{1}{5}$ is _____.

(A) $\frac{24}{5}$

(B) $-\frac{24}{5}$

(C) 25

(D) - 25

8. If $a = 7$, then the value of $-\left(\frac{1-2a}{a-5}\right)$ is _____.

(A) $-\frac{13}{2}$

(B) $-\frac{15}{2}$

(C) $\frac{13}{2}$

(D) $\frac{15}{2}$

9. The multiplicative inverse of $-\frac{a}{b}$ is _____.

(A) $\frac{a}{b}$

(B) $\frac{b}{a}$

(C) $-\frac{b}{a}$

(D) None of these

10. If $x = \frac{2+3 \times 2}{-5}$, then $[-x]$ is equal to _____.

(A) $\frac{8}{5}$

(B) $-\frac{8}{5}$

(C) 0

(D) 1





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