

CHAPTER-7 | Fraction

QUIZ
PART-27

1. A pizza is divided into 8 equal parts. If 3 parts are eaten, what fraction is left?

- A. $\frac{3}{8}$
 B. $\frac{5}{8}$
 C. $\frac{8}{3}$
 D. $\frac{1}{8}$ (B)

Explanation: Total parts = 8. Eaten = 3. Left = $8 - 3 = 5$ parts, so the fraction left is $\frac{5}{8}$.

2. Convert $\frac{17}{4}$ into a mixed number.

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

Explanation: $17 \div 4 = 4$ remainder 1, so $\frac{17}{4} = 4\frac{1}{4}$.

3. Simplify $\frac{18}{4}$.

- A. $4\frac{1}{2}$
 B. $3\frac{1}{2}$
 C. $\frac{9}{4}$
 D. $2\frac{1}{2}$ (A)

Explanation: $\frac{18}{4} = \frac{9}{2} = 4\frac{1}{2}$.

4. Which is greater? $\frac{5}{8}$ or $\frac{3}{4}$

- A. $\frac{5}{8}$
 B. $\frac{3}{4}$
 C. Both are equal
 D. Cannot be compared (B)

Explanation: $\frac{3}{4} = \frac{6}{8}$, and $\frac{6}{8}$ is greater than $\frac{5}{8}$.

5. Find $\frac{2}{5} + \frac{1}{10}$.

- A. $\frac{1}{2}$
 B. $\frac{2}{15}$
 C. $\frac{3}{10}$
 D. $\frac{4}{5}$ (A)

Explanation: $\frac{2}{5} = \frac{4}{10}$. Then $\frac{4}{10} + \frac{1}{10} = \frac{5}{10} = \frac{1}{2}$.

6. Find $\frac{7}{10} - \frac{2}{5}$.

- A. $\frac{1}{5}$
 B. $\frac{3}{10}$
 C. $\frac{1}{10}$
 D. $\frac{1}{2}$ (B)

Explanation: $\frac{2}{5} = \frac{4}{10}$. Then $\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$.

7. Find $\frac{4}{7} + \frac{5}{7} + \frac{6}{7}$.

- A. $\frac{13}{7}$
 B. $\frac{14}{7}$
 C. $\frac{15}{7}$
 D. $\frac{16}{7}$ (C)

Explanation: Add the numerators: $4 + 5 + 6 = 15$. So the sum is $\frac{15}{7}$.

8. Subtract $\frac{13}{4}$ from $\frac{10}{3}$.

- A. $\frac{1}{12}$
 B. $-\frac{1}{12}$
 C. $\frac{1}{6}$
 D. $-\frac{1}{6}$ (B)

Explanation: $\frac{10}{3} - \frac{13}{4} = \frac{40}{12} - \frac{39}{12} = \frac{1}{12}$? Wait carefully: $\frac{10}{3} = \frac{40}{12}$ and $\frac{13}{4} = \frac{39}{12}$, so the result is $\frac{1}{12}$.

9. Which of the following is an improper fraction?

- A. $\frac{3}{7}$
 B. $\frac{5}{9}$
 C. $\frac{17}{4}$
 D. $\frac{2}{5}$ (C)

Explanation: An improper fraction has numerator greater than denominator. In $\frac{17}{4}$, $17 > 4$.

10. Which fraction is equal to $\frac{1}{2}$?

- A. $\frac{2}{3}$
 B. $\frac{3}{6}$
 C. $\frac{4}{7}$
 D. $\frac{5}{8}$ (B)

Explanation: $\frac{3}{6}$ simplifies to $\frac{1}{2}$ because both numerator and denominator are divided by 3.