

CHAPTER-7 | Fraction

QUIZ
PART-18

1. Which is greater?

- A. $8/3$
 B. $5/2$
 C. both are equal
 D. cannot say (A)

Explanation: Compare by cross-multiplication: $8 \times 2 = 16$ and $5 \times 3 = 15$. Since $16 > 15$, $8/3 > 5/2$.

2. Which is greater?

- A. $4/9$
 B. $3/7$
 C. both are equal
 D. cannot say (A)

Explanation: $4 \times 7 = 28$ and $3 \times 9 = 27$. Since $28 > 27$, $4/9 > 3/7$.

3. Which is greater?

- A. $7/10$
 B. $9/14$
 C. both are equal
 D. cannot say (A)

Explanation: $7 \times 14 = 98$ and $9 \times 10 = 90$. Since $98 > 90$, $7/10 > 9/14$.

4. Which is greater?

- A. $12/5$
 B. $8/5$
 C. both are equal
 D. cannot say (A)

Explanation: The denominators are equal. Since $12 > 8$, $12/5 > 8/5$.

5. Which is greater?

- A. $9/4$
 B. $5/2$
 C. both are equal
 D. cannot say (B)

Explanation: Convert to same denominator: $9/4 = 18/8$ and $5/2 = 20/8$. So $5/2 > 9/4$.

6. Which is the smallest in ascending order set $\{7/10, 11/15, 2/5\}$?

- A. $7/10$
 B. $11/15$
 C. $2/5$
 D. all are equal (C)

Explanation: Their values are 0.7, about 0.733, and 0.4. So $2/5$ is the smallest.

7. Correct ascending order is:

- A. $7/10, 11/15, 2/5$
 B. $2/5, 7/10, 11/15$
 C. $2/5, 11/15, 7/10$
 D. $11/15, 7/10, 2/5$ (B)

Explanation: $2/5 = 0.4$, $7/10 = 0.7$, $11/15 \approx 0.733$. So ascending order is $2/5, 7/10, 11/15$.

8. Which is the greatest in ascending order set $\{19/24, 5/6, 7/12\}$?

- A. $19/24$
 B. $5/6$
 C. $7/12$
 D. all are equal (B)

Explanation: Convert to denominator 24: $19/24, 20/24, 14/24$. So $5/6 = 20/24$ is the greatest.

9. Which fraction is greatest in $\{25/16, 7/8, 13/4, 17/32\}$?

- A. $25/16$
 B. $7/8$
 C. $13/4$
 D. $17/32$ (C)

Explanation: $13/4 = 3.25$, which is greater than the others.

10. Which fraction is greatest in $\{3/4, 12/5, 7/12, 5/4\}$?

- A. $3/4$
 B. $12/5$
 C. $7/12$
 D. $5/4$ (B)

Explanation: $12/5 = 2.4$, which is greater than $5/4 = 1.25$, $3/4 = 0.75$, and $7/12 \approx 0.583$.