

CHAPTER-7 | Fraction

QUIZ
PART-20

1. $2/7 + 5/7 + 6/7 =$

- A. $11/7$
B. $12/7$
C. $13/7$
D. $14/7$ (C)

Explanation: The denominators are the same, so add the numerators: $2 + 5 + 6 = 13$. So the sum is $13/7$.

2. $3/4 + 1/3 =$

- A. $13/12$
B. $4/7$
C. 1
D. $7/12$ (A)

Explanation: LCM of 4 and 3 is 12. So $3/4 = 9/12$ and $1/3 = 4/12$. Sum = $13/12$.

3. $2/3 + 5/6 =$

- A. $7/9$
B. $3/2$
C. $7/6$
D. $1/2$ (B)

Explanation: Convert to denominator 6: $2/3 = 4/6$. Then $4/6 + 5/6 = 9/6 = 3/2$.

4. $2/3 + 2/7 =$

- A. $4/10$
B. $20/21$
C. $4/21$
D. $2/21$ (B)

Explanation: LCM of 3 and 7 is 21. So $2/3 = 14/21$ and $2/7 = 6/21$. Sum = $20/21$.

5. In $2/7 + 5/7 + 6/7$, the denominators are:

- A. different
B. prime only
C. equal
D. mixed (C)

Explanation: All three fractions have denominator 7, so the denominators are equal.

6. In $3/4 + 1/3$, the LCM of the denominators is:

- A. 7
B. 12
C. 1
D. 24 (B)

Explanation: The LCM of 4 and 3 is 12.

7. $2/3$ is equal to which fraction with denominator 6?

- A. $2/6$
B. $3/6$
C. $4/6$
D. $5/6$ (C)

Explanation: Multiply numerator and denominator by 2: $2/3 = 4/6$.

8. Which sum is greater than 1 but less than 2?

- A. $2/3 + 2/7$
B. $2/7 + 5/7 + 6/7$
C. $3/4 + 1/3$
D. none of these (C)

Explanation: $3/4 + 1/3 = 13/12$, which is greater than 1 and less than 2.

9. Which sum is less than 1?

- A. $2/3 + 2/7$
B. $2/3 + 5/6$
C. $3/4 + 1/3$
D. $2/7 + 5/7 + 6/7$ (A)

Explanation: $2/3 + 2/7 = 20/21$, and $20/21 < 1$.

10. Which sum is an improper fraction?

- A. $2/3 + 2/7$
B. $2/3 + 5/6$
C. both A and B
D. none of these (B)

Explanation: $2/3 + 5/6 = 3/2$, and $3/2$ is an improper fraction.