

CHAPTER-7 | Fraction

QUIZ
PART-25

1. $8/15 - 3/15 =$

- A. $5/15$
B. $11/15$
C. $1/15$
D. $3/5$ (A)

Explanation: The denominators are the same, so subtract the numerators: $8 - 3 = 5$. Result is $5/15$.

2. $2/5 - 4/15 =$

- A. $2/10$
B. $2/15$
C. $6/15$
D. $4/15$ (B)

Explanation: Convert $2/5$ to fifteenths: $2/5 = 6/15$.

Then $6/15 - 4/15 = 2/15$.

3. $5/6 - 4/9 =$

- A. $1/18$
B. $7/18$
C. $9/15$
D. $7/15$ (B)

Explanation: LCM of 6 and 9 is 18. So $5/6 = 15/18$ and $4/9 = 8/18$. Difference = $7/18$.

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

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

Explanation: Convert to denominator 6: $2/3 = 4/6$ and $1/2 = 3/6$. Difference = $1/6$.

5. Which subtraction has equal denominators already?

- A. $2/5 - 4/15$
B. $5/6 - 4/9$
C. $8/15 - 3/15$
D. $2/3 - 1/2$ (C)

Explanation: In $8/15 - 3/15$, both fractions already have denominator 15.

6. In $5/6 - 4/9$, the common denominator is:

- A. 12
B. 15
C. 18
D. 54 (C)

Explanation: The LCM of 6 and 9 is 18.

7. "10/3 from 13/4" means:

- A. $10/3 - 13/4$
B. $13/4 - 10/3$
C. $13/4 + 10/3$
D. $10/3 + 13/4$ (B)

Explanation: In math English, "subtract $10/3$ from $13/4$ " means $13/4 - 10/3$.

8. $13/4 - 10/3 =$

- A. $-1/12$
B. $1/12$
C. $39/12$
D. $40/12$ (A)

Explanation: Convert to denominator 12: $13/4 = 39/12$ and $10/3 = 40/12$. So the result is $-1/12$.

9. $23/3 - 18/5 =$

- A. $61/15$
B. $13/15$
C. $41/15$
D. $7/15$ (A)

Explanation: Convert to denominator 15: $23/3 = 115/15$ and $18/5 = 54/15$. Difference = $61/15$.

10. $45/7 - 29/7 =$

- A. $14/7$
B. $16/7$
C. $74/7$
D. $26/7$ (B)

Explanation: The denominators are equal, so subtract the numerators: $45 - 29 = 16$. Result is $16/7$.