

CHAPTER-10 | The Other Side of Zero

QUIZ
PART-13

1. In the token model, a zero pair is made by
- two positive tokens
 - two negative tokens
 - one positive and one negative token
 - three tokens

Explanation: One + token and one - token cancel each other and make zero.

2. For $(-3) - (+5)$, how many zero pairs must be added first?
- 2
 - 3
 - 5
 - 8

Explanation: To subtract +5 from -3, we need 5 positive tokens to remove, so we add 5 zero pairs.

3. $(-3) - (+5)$ equals
- 2
 - 8
 - +8
 - +2

Explanation: Starting from -3 and subtracting +5 gives -8.

4. $(-3) - (+10)$ equals
- 13
 - +13
 - 7
 - +7

Explanation: Subtracting +10 from -3 gives -13.

5. $(+8) - (-7)$ equals
- +1
 - 1
 - +15
 - 15

Explanation: Subtracting a negative means adding, so $8 + 7 = 15$.

6. $(-5) - (+9)$ equals
- 14
 - +14
 - 4
 - +4

Explanation: Negative 5 minus positive 9 gives -14.

7. $(-9) - (+10)$ equals
- 19
 - +19
 - 1
 - +1

Explanation: Subtracting +10 from -9 gives -19.

8. $(+6) - (-4)$ equals
- +2
 - 2
 - +10
 - 10

Explanation: Subtracting a negative means adding, so $6 + 4 = 10$.

9. $(-2) - (+7)$ equals
- 9
 - +9
 - 5
 - +5

Explanation: Negative 2 minus positive 7 equals -9.

10. Which rule is used most in these questions?
- Subtracting a negative means adding
 - Adding a positive means subtracting
 - Multiplying negatives gives positive
 - Division by zero is possible

Explanation: Several questions use the rule that subtracting a negative is the same as adding the positive.