

Name _____

Date _____

Addition Property of Equality

G6

Addition Property of Equality means that if you add the same number to both sides of an equation, both sides stay equal.

Q1 If $x = 7$, which equation demonstrates the Addition Property of Equality?

A. $x + 5 = 12$

B. $x + 5 = 7 + 5$

C. $5x = 35$

D. $x - 5 = 2$

Q2 To solve the equation $x - 3 = 10$ using the Addition Property of Equality, what should you add to both sides?

A. 10

B. -3

C. 3

D. x

Q3 Which equation shows the correct use of the Addition Property of Equality?

A. If $x = 9$, then $x + 4 = 13$.

B. If $x = 9$, then $x + 4 = 9 + 4$.

C. If $x = 9$, then $4x = 36$.

D. If $x = 9$, then $\frac{x}{3} = 3$.

Q4 Given that $y - 8 = 15$, which step correctly uses the Addition Property of Equality to solve for y ?

A. $y - 8 + 8 = 15 + 8$

B. $y - 8 + 8 = 15 - 8$

C. $(y - 8) \times 8 = 15 \times 8$

D. $(y - 8) \div 8 = 15 \div 8$

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Addition Property of Equality - Answer Key**Q1 B****Q2 C****Q3 B****Q4 A**