GRADE 6 MATH · CLASSWORK · ADVANCED

Define Properties of Equality

SCORE / 25

01 Part A · Practice

If you add, subtract, multiply, or divide both sides of an equation by the same number, the two sides stay equal.

EXAMPLE

If $x = 7$, what is $x + 3$?

1. Addition Property of Equality: add 3 to both sides.
2. $x + 3 = 7 + 3$
3. $x + 3 = 10$

1 ●○○ Which property of equality is shown? If $7t = 497$, then $7t - 25 = 497 - 25$.

2 ●○○ Use the Addition Property of Equality to complete: If $n = 96$, then $n + 7 =$ _____.

3 ●○○ The equation $24 + 68 = 92$ is true. You add 4 to the left side. What must you do to the right side? What does each side equal now?

4 ●○○ Which property of equality is shown? If $3g = 57$, then $3g \div 20 = 57 \div 20$.

5 ●○○ Use the Multiplication Property of Equality to complete: If $b = 98$, then $b \times 8 =$ _____.

6 ●○○ The equation $53 \times 29 = 1537$ is true. You multiply 11 by the left side. What must you do to the right side? What does each side equal now?

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Preview - the full worksheet and its answer key are at primeworksheet.com