

Review

1. Write an equation for: Three times a number added to 5 is 11.
2. $12 \div 4 \cdot 3$
3. $-5 + 9$
4. $|3 - 8| + -6$
5. $-24 \div -3$

Name the property shown by each statement.

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|--|---------------------------------|
| 6. $9 \cdot 1 = 9$ | 11. $1 \cdot 20 = 20$ |
| 7. $(7 + 8) + 2 = 7 + (8 + 2)$ | 12. $3 = 0 + 3$ |
| 8. $15 + 12 = 12 + 15$ | 13. $4 \cdot 6 = 6 \cdot 4$ |
| 9. $(9 \cdot a) \cdot 2 = 9 \cdot (a \cdot 2)$ | 14. $(4 + b) + 2 = 4 + (b + 2)$ |
| 10. $7 \cdot 3 = 3 \cdot 7$ | 15. $9 + 11 = 11 + 9$ |

Properties

Identity Property of Addition: $a + \mathbf{0} = a$

Identity Property of Multiplication: $a(\mathbf{1}) = a$

Commutative Property of Addition: $a + b = b + a$

Commutative Property of Multiplication: $a(b) = b(a)$

Associative Property of Addition: $(a + b) + c = a + (b + c)$

Associative Property of Multiplication: $(a \cdot b)c = a(b \cdot c)$