

Properties of Multiplication

MathKnights
Free printable worksheet

3rd Grade · Florida B.E.S.T. MA.3.AR.1.1

Name _____

Date _____

Circle the best answer or write it on the line.

Tip: The order of factors does not change the product, and you can break a number apart: $4 \times 72 = (4 \times 70) + (4 \times 2)$.

- 1 $5 \times 11 = 11 \times 5$ shows which property?

a Distributive property
b Associative property of multiplication
c Commutative property of multiplication
d Identity property of multiplication

- 2 $(4 \times 3) \times 6 = 4 \times (3 \times 6)$ shows which property?

a Distributive property
b Associative property of multiplication
c Commutative property of multiplication
d Identity property of multiplication

- 3 Fill in the blank: $6 \times 62 = (6 \times 60) + (6 \times \boxed{})$

Answer _____

- 4 Find the product: $4 \times 2 \times 8 = \boxed{}$

Answer _____

- 5 $8 \times 9 = 9 \times 8$ shows which property?

a Commutative property of multiplication
b Distributive property
c Identity property of multiplication
d Associative property of multiplication

- 6 $(5 \times 5) \times 8 = 5 \times (5 \times 8)$ shows which property?

a Distributive property
b Associative property of multiplication
c Identity property of multiplication
d Commutative property of multiplication

- 7 Use the distributive property to find 7×27 .
Hint: $7 \times (20 + 7)$.

Answer _____

- 8 Find the product: $3 \times 3 \times 5 = \boxed{}$

Answer _____

- 9 $4 \times 10 = 10 \times 4$ shows which property?

a Identity property of multiplication
b Commutative property of multiplication
c Distributive property
d Associative property of multiplication

- 10 $(6 \times 2) \times 9 = 6 \times (2 \times 9)$ shows which property?

a Commutative property of multiplication
b Distributive property
c Identity property of multiplication
d Associative property of multiplication

- 11 Use the distributive property to find 4×63 .
Hint: $4 \times (60 + 3)$.

Answer _____

- 12 Find the product: $3 \times 4 \times 4 = \boxed{}$

Answer _____

Answer Key

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For parents and teachers

1 c) Commutative property of multiplication

2 b) Associative property of multiplication

3 2

4 64

5 a) Commutative property of multiplication

6 b) Associative property of multiplication

7 189

8 45

9 b) Commutative property of multiplication

10 d) Associative property of multiplication

11 252

12 48

If your child missed 3 or more

The order of factors does not change the product, and you can break a number apart: $4 \times 72 = (4 \times 70) + (4 \times 2)$.

Practice this skill with instant feedback, free at mathknights.com