

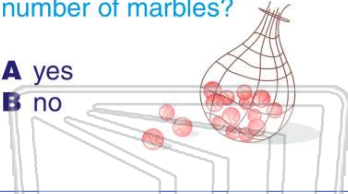


# Commutative/Associative Properties

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Jules has **15** red marbles, **38** green marbles, and **29** yellow. Marcos has **38** red marbles, **15** green marbles and **92** yellow. Do the boys have the **same** number of marbles?

- A yes
- B no



2 Maria sold **15** flowers Saturday morning, **60** flowers that afternoon, and **8** flowers just before dark. On Sunday morning, Maria sold **60** flowers in the morning, **8** flowers that afternoon and **15** flowers just before dinner. Did she sell the **same** number of flowers each day?

- A yes
- B no



3 The **Associative Property of Multiplication** means that changing the grouping of the factors does not change the product. An example is \_\_\_\_\_.

- A  $10 \times (13 \times 2) = 10 \times 26$
- B  $130 \times 2 = 260$



4 Mr. Brown put **5** candy bars in **each** box, then put **10** boxes in **each** bag, and sent **8** bags to Mrs. Casey. She needed **375** candy bars. Which equation shows that Mr. Brown sent her **enough** candy bars?

- A  $10 \times (5 \times 8) = (10 \times 5) \div 8$
- B  $10 \times 40 = 50 \times 8$



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication

- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication

9  $24 \times (143 \times 2) = (24 \times 143) \times 2$  is an example of the \_\_\_\_\_.

- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication



10  $153 + 158 = 158 + 153$  is an example of the \_\_\_\_\_.

- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication





## ANSWER KEY

Jules has **15** red marbles, **38** green marbles, and **29** yellow. Marcos has **38** red marbles, **15** green marbles and **92** yellow. Do the boys have the **same** number of marbles?

- A yes
- B no



(b)

Maria sold **15** flowers Saturday morning, **60** flowers that afternoon, and **8** flowers just before dark. On Sunday morning, Maria sold **60** flowers in the morning, **8** flowers that afternoon and **15** flowers just before dinner. Did she sell the **same** number of flowers each day?

- A yes
- B no



(a)

The **Associative Property of Multiplication** means that changing the grouping of the factors does not change the product. An example is

- A  $10 \times (13 \times 2) = 10 \times 26$
- B  $130 \times 2 = 260$
- C  $10 \times (13 \times 2) = (10 \times 13) \times 2$
- D  $10 \times 13 \times 2 = 260$



(c)

Mr. Brown put **5** candy bars in **each** box, then put **10** boxes in **each** bag, and sent **8** bags to Mrs. Casey. She needed **375** candy bars. Which equation shows that Mr. Brown sent her **enough** candy bars?

- A  $10 \times (5 \times 8) = (10 \times 5) \div 8$
- B  $10 \times 40 = 50 \times 8$
- C  $10 \times 5 \times 8 = 10 \times (5 + 8)$



(d)



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- C Associative Property of Multiplication
- D Commutative Property of Multiplication

- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication

$24 \times (143 \times 2) = (24 \times 143) \times 2$

is an example of the \_\_\_\_\_



- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication

(c)

$153 + 158 = 158 + 153$

is an example of the \_\_\_\_\_



- A Associative Property of Addition
- B Commutative Property of Addition
- C Associative Property of Multiplication
- D Commutative Property of Multiplication

(b)