

Addition Meaning and Properties

Write each missing number.

1. $7 + 2 = 2 + \blacksquare$

7

2. $3 + \blacksquare = 3$

0

3. $(2 + 4) + 5 = 2 + (\blacksquare + 5)$

4

4. $3 + \blacksquare = 5 + 3$

5

5. $\blacksquare + 0 = 6$

6

6. $(5 + 3) + 9 = 8 + \blacksquare$

9

7. **Reasoning** What property of addition is shown in the following number sentence? Explain.

$$7 + (3 + 5) = (7 + 3) + 5$$

The Associative Property of Addition; The way the addends are grouped does not change a sum.

8. **Number Sense** Minnie has 6 country CDs and 5 rock CDs. Amanda has 5 rock CDs and 6 country CDs. Who has more CDs? Explain.

Minnie and Amanda have the same number of CDs because $6 + 5 = 5 + 6$.

9. Show how the Commutative Property of Addition works using the numbers 2, 3, and 5.

$$2 + 3 = 5 \text{ and } 3 + 2 = 5$$

10. **Explain It** Jake says that adding 0 does not change a sum. Is he correct? Explain.

Yes. The sum of an addend and 0 is the addend.

11. Which property of addition is shown by $5 + 2 = 2 + 5$?

A Associative Property

 C Commutative Property

B Distributive Property

D Identity Property