

# Solve and Write Addition Equations

## Guided Practice

Solve each equation. Check your solution. (Example 1)

1.  $y + 7 = 10$

2.  $10 = 6 + e$

3. A board that measures 19.5 meters in length is cut into two pieces. One piece measures 7.2 meters. Write and solve an equation to find the length of the other piece. (Example 2)

4. It takes 43 facial muscles to frown. This is 26 more muscles than it takes to smile. Write and solve an equation to find the number of muscles it takes to smile. (Example 3)

## Independent Practice

Solve each equation. Check your solution. (Example 1)

1.  $c + 3 = 6$

2.  $9 = 2 + x$

3.  $7 + a = 9$

Show your work

4. Zacarias and Paz together have \$756.80. If Zacarias has \$489.50, how much does Paz have? Write and solve an addition equation to find how much money belongs to Paz. (Example 2)

5. The average length of a King Cobra is 118 inches, which is 22 inches longer than a Black Mamba. Write and solve an addition equation to find the average length of a Black Mamba. (Example 3)

Solve each equation. Check your solution.

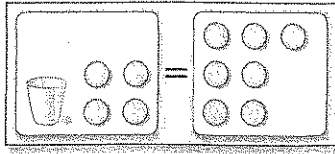
$$7. a + \frac{1}{10} = \frac{5}{10}$$

$$8. m + \frac{1}{3} = \frac{2}{3}$$

$$9. \frac{3}{4} = x + \frac{1}{2}$$

## Standardized Test Practice

13. The model represents the equation  $x + 4 = 7$ .



What is the first step in finding the value of  $x$ ?

- (A) Add 4 counters to each side.
- (B) Subtract 7 counters from each side.
- (C) Add 7 counters to each side.
- (D) Subtract 4 counters from each side.

$$17. d + 3 = 8$$

$$18. x + 4 = 6$$

$$19. 3 + f = 8$$

20. Enrique and Levi together have 386 trading cards. If Enrique has 221 trading cards, how many does Levi have? Write and solve an addition equation to find how many trading cards are Levi's.

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21. Elliott is 63 inches tall, which is 9 inches taller than his cousin, Jackson. Write and solve an addition equation to find Jackson's height.

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22. **CCSS Use Math Tools** The table shows the heights of three monster trucks. Bigfoot 5 is 4.9 feet taller than Bigfoot 2. Write and solve an addition equation to find the height of Bigfoot 2.

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Truck	Height (ft)
Bigfoot 5	15.4
Swamp Thing	12.2
Bigfoot 2	■