



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

- 1 Which **equation** is represented by the following, **three times the sum of a number and 5 is 33**?
- A**  $3 \cdot n + 5 = 33$       **C**  $3(n + 5) = 33$   
**B**  $n + 5 \cdot 3 = 33$       **D**  $3(n - 5) = 33$

- 2 A number of friends buy **56** marbles and split them evenly. Each friend receives **14** marbles. Which **equation** represents this situation correctly?
- A**  $\frac{n}{56} = 14$       **C**  $56 - n = 14$   
**B**  $\frac{56}{n} = 14$       **D**  $56 \cdot 14 = n$

- 3 In order to solve an equation with variables, the variable must be **isolated first** by using **inverse operations**.

- 4 Solve using **inverse operations**:
- $n - 83 = 19$

True or false?

**A** true

- A** 64  
**B** 92  
**C** 102



## PREVIEW

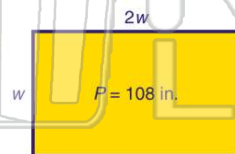
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- 7
- A** \$5.59  
**B** \$1.48  
**C** \$1.19  
**D** \$1.09

stamps are **in one row**?

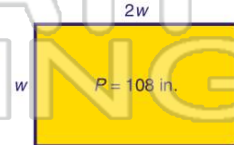
- A** 6  
**B** 7  
**C** 60  
**D** 70

- 9 According to the figure shown, which **equation** would be correct to solve for the **perimeter**?



- A**  $2w + w = 108$       **C**  $\frac{108}{2w} = w$   
**B**  $2w + 2w = 108$       **D**  $2(2w + w) = 108$

- 10 Given the figure shown, what is the **length** and **width** of the rectangle?



- A**  $w = 13.5$  in.,  $\ell = 27$  in.  
**B**  $w = 18$  in.,  $\ell = 36$  in.  
**C**  $w = 27$  in.,  $\ell = 54$  in.  
**D**  $w = 36$  in.,  $\ell = 72$  in.



## ANSWER KEY

Which **equation** is represented by the following, **three times the sum of a number and 5 is 33**?

- A**  $3 \cdot n + 5 = 33$       **C**  $3(n + 5) = 33$
- B**  $n + 5 \cdot 3 = 33$       **D**  $3(n - 5) = 33$

(c)

A number of friends buy **56** marbles and split them evenly. Each friend receives **14** marbles. Which **equation** represents this situation correctly?

- A**  $\frac{n}{56} = 14$       **C**  $56 - n = 14$
- B**  $\frac{56}{n} = 14$       **D**  $56 \cdot 14 = n$

(b)

In order to solve an equation with variables, the variable must be **isolated first** by using **inverse operations**.

**True or false?**

- A** true
- B** false

(a)

Solve using **inverse operations**:

$$n - 83 = 19$$

- A** 64
- B** 92
- C** 102
- D** 112

(c)



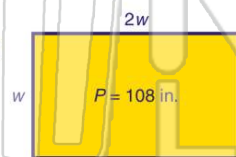
## PREVIEW

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- A** \$5.59
- B** \$1.48
- C** \$1.19
- D** \$1.09

- A** 6
- B** 7
- C** 60
- D** 70

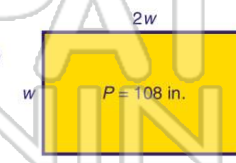
According to the figure shown, which **equation** would be correct to solve for the **perimeter**?



(d)

- A**  $2w + w = 108$       **C**  $\frac{108}{2w} = w$
- B**  $2w + 2w = 108$       **D**  $2(2w + w) = 108$

Given the figure shown, what is the **length** and **width** of the rectangle?



(b)

- A**  $w = 13.5$  in.,  $\ell = 27$  in.
- B**  $w = 18$  in.,  $\ell = 36$  in.
- C**  $w = 27$  in.,  $\ell = 54$  in.
- D**  $w = 36$  in.,  $\ell = 72$  in.