

## DO NOW

Identify the property

1)  $5(a + 8) = 5a + 40$

2)  $j(md) - (jm)d$

3)  $5 + (a + 8) = (a + 8) + 5$

## DO NOW

Simplify

4)  $3a + 9b - 6a + 3b$

5)  $3(4n - 12)$

6)  $-(5k + 6)$

7)  $n - (n + 4)$

2.7

## Problem Solving: Consecutive Integers

### *Consecutive Integers*

Numbers right next to each other

$\dots 5, 6, 7, 8, 9, 10 \dots$

$\dots -2, -1, 0, 1, 2, 3 \dots$

### *Consecutive Even Integers*

$\dots 2, 4, 6, 8, 10 \dots$

$\dots -6, -4, -2, 0, 2, 4 \dots$

*Consecutive Odd Integers*

*...7,9,11,13,15...*

*...-5,-3,-1,1,3,...*

**ASSIGNING VARIABLES &  
EXPRESSIONS TO  
CONSECUTIVE INTEGERS**

3	5	6
17	18	19
6	8	10

**ASSIGNING VARIABLES &  
EXPRESSIONS TO  
CONSECUTIVE INTEGERS**

20	22	24
7	9	11
1	3	5

**WRITING EQUATIONS FOR  
CONSECUTIVE INTEGERS**

- 1) Write an equation that states the sum of 3 consecutive integers is 39.

## **WRITING EQUATIONS FOR CONSECUTIVE INTEGERS**

- 2) Write an equation that states the sum of 4 consecutive integers is 66.

## **WRITING EQUATIONS FOR CONSECUTIVE INTEGERS**

- 3) Write an equation that states the sum of three consecutive odd integers is 147.

## **WRITING EQUATIONS FOR CONSECUTIVE INTEGERS**

- 4) Write an equation that states the sum of two consecutive even integers is 168.

## **WRITING EQUATIONS FOR CONSECUTIVE INTEGERS**

- 5) Write an equation that states the sum of three consecutive odd integers is 100 than the smallest integer.