

#### Day 0 CHAPTER 1 & 2 TEST



Homework: 2.1 SOLVING ONE-STEP EQUATIONS (PART 2) Day 2 Classwork: Warm Up and Classwork: Solving One-Step Equations

Homework: 2.3 SOLVING TWO-STEP EQUATIONS

- Day 3 Classwork: Warm Up and Classwork: Solving Two-Step Equations Homework: 2.3 SOLVING TWO-STEP EQUATIONS
- Day 4 Classwork: Classwork: Solving Two-Step Equations Homework: 🗱 3.3 SOLVING REAL WORLD PROBLEMS
- Day 5 Classwork: Warm Up and Classwork: Solving Real World Problems Homework: 133 SOLVING MULTI-STEP EQUATIONS
- Day 6 **Classwork:** Warm Up and Classwork: Solving Multi-Step Equations Homework: (~) NONE!
- Day 7 Classwork: Classwork: 3.1 to 3.4 Quiz Review Homework: NO VIDEO! STUDY FOR QUIZ!!

## Day 8 QUIZ ON DAYS 1-7



Homework: 🞬 3.4 SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES (PART 1)

- Day 9 **Classwork:** Warm Up and Classwork: Solving Equations with Variables on Both Sides Homework: 2.4 SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES (PART 2)
- Day 10 Classwork: Warm Up and Classwork: Solving Equations with Variables on Both Sides Homework: 🞬 3.7 REWRITE EQUATIONS IN SLOPE-INTERCEPT FORM
- Day 11 Classwork: Warm Up and Classwork: Rewrite Equations in Slope-Intercept Form Homework: 🤭 NONE!
- Day 12 Classwork: Classwork: Rewrite Equations in Slope-Intercept Form Homework: 🔗 NONE!
- Day 13 Classwork: Classwork: 3.4 to 3.7 Quiz Review Homework: NO VIDEO! STUDY FOR QUIZ!!



## Day 14 QUIZ ON DAYS 8-13

Homework: 😁 NONE!

Day 15 Classwork: Day 15 Classwork: Chapter 3 Test Review Homework: NO VIDEO! STUDY FOR QUIT!!

#### Day 16 CHAPTERS 3 TEST

Homework: 🞬 4.1 THE COORDINATE PLANE



SNAPPLE FACT #231

THE WORD "EARTH" HAS BEEN ON EARTH FOR 7.000 YEARS.

## 3.1 SOLVING ONE-STEP EQUATIONS (PART 1)



Get x by itself)

to isolate "x"

#### INVERSE OPERATIONS:

- a.)
- b.)

Solve the following using inverse operations. Then  $\square$  your solutions.

1) x + 2 = 17

- 2) x 7 = 3
- $3) \quad \frac{x}{6} = 2 \qquad \qquad \blacksquare$
- 4) 9x = 54 ☑



Solve the following using inverse operations. Then  $\square$  your solutions.

1) x - (-8) = 10  $\square$  2) -x = 12  $\square$ 

3) 
$$\frac{2}{7} + m = \frac{5}{7}$$
 (2) 4)  $\frac{3}{4}n = -\frac{2}{5}$  (2)

$$5) \quad -\frac{2}{3}x = 4 \qquad \qquad \blacksquare$$



## 3.3 SOLVING TWO-STEP EQUATIONS



When two or more steps to solve linear equations.

Solve the following using inverse operations. Then  $\square$  your solutions.

 $\checkmark$ 1) 3x + 2 = 17 $\checkmark$ 2) -2x + 16 = 4





## 3.3 SOLVING TWO-STEP EQUATIONS



OF Use two or more steps to solve linear equations.

Solve the following using inverse operations. Then  $\square$  your solutions.

1) 3x + 2x = 15 $\checkmark$ 2) 4 = -2x + 16 $\checkmark$ 

4)  $\frac{3}{4}x - 2 = 10$ 3) 7 - x = -3 $\checkmark$  $\checkmark$ 

## 3.3 SOLVING REAL WORLD PROBLEMS



When algebra to solve real world problems.

#### 4 STEPS TO SOLVING WORD PROBLEMS:



#### Use the 4 steps to solve each of the following word problems.

- 1) 3 plus the quotient of a number and 2 is 7. What is the number?
  - a. Define a variable:
  - b. Write an equation:
  - c. Solve:
  - d. Write a sentence:
- 2) The sum of 6 times a number and 3 is 21. What is the number?
  - a. Define a variable:
  - b. Write an equation:
  - c. Solve:
  - d. Write a sentence:



## 3.3 SOLVING MULTI-STEP EQUATIONS

Use the distributive property and combining like terms along with inverse operations to solve linear equations.

Solve the following using inverse operations. Then  $\square$  your solutions.

1) 3(x-2) = 18 2) 8x - 3x + 6 = -9

3) 10x - 3(2x - 4) = 8 4) 5x - 4(2 + 4x) = 14



## 3.4 SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES

Solve equations with variables on both sides, and determine whether or not a solution exists.

Solve the following using inverse operations. Then  $\square$  your solutions.

1) 7x + 19 = -2x + 55  $\square$  2) 6x + 22 = -3x + 31  $\square$ 

3) 5x - 3x + 4 = 3x + 8

4) 6x + 3 = 8 + 7x + 2x



# 3.4 SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES

Solve equations with variables on both sides, and determine whether or not a solution exists.

Solve the following using inverse operations. Then  $\square$  your solutions.

1) 3(2x + 5) = 4x + 21

2) 
$$3(2x + 5) = 6x + 15$$

3) 
$$3(2x+5) = 6x + 10$$



Rewrite each of the following equations in slope-intercept form.

Standard From is written in the form of \_\_\_\_\_\_. Our goal is to change

our equations from Standard Form to Slope-Intercept Form

1) 4x + 2y = 12

2) 6x - 3y = 18

3) -3x - y = 74) -5x + 4y = 12