

Module 10 Lesson 3

Will be able to write and solve one step equations using multiplication and division!

Solving Equations

- * Want to ISOLATE the variable
- * Use INVERSE OPERATIONS to get the variable by itself
- * What you do to one side of the equal sign you MUST do to the other!!!



SOLVE AND GRAPH:

1. $2m = 6$

2. $4n = 20$

3. $6a = 42$

4. $65 = 13b$

SOLVE AND GRAPH:

1. $\frac{m}{8} = 9$

3. $\frac{12}{7} = n$

2. $\frac{4.7}{3.2} = g$

4. $\frac{w}{6} = 17$

Review:

1. $x/4 = 12.5$

2. $8w = 120$

3. $6 = z/4.5$

4. $20 = 2.5m$

PRACTICE:

Sophia is buying party favors. She has a budget of \$2.75 a person for 6 people. How much can Sophia spend on party favors? Write and solve an equation.

PRACTICE:

The total time to burn a CD is 18 minutes. Last weekend, Drew spent 90 minutes burning CDs. Write and solve an equation to find the number of CDs Devon burned last weekend.

PRACTICE:

The cell phone bill recorded that Bryce sent 532 text messages last week. On average, how many text messages did he send each day? Write an equation and solve.

PRACTICE:

On Friday afternoon, Reagan and her two friends washed their neighbor's cars in order to make some money. They split the payment equally and each walked away with \$3.50. How much did the neighbor pay them for washing the cars? Write an equation and solve.

PRACTICE:

The area of a rectangle is 48 square inches. The length is 8 inches. What is the measure of its width? Write and solve an equation.

PRACTICE:

Tyson baked cookies for his math class end of the year party. There are 28 people in Tyson's math class, including Tyson and his teacher. Tyson baked enough cookies for everyone to get 3 cookies each. How many cookies did Tyson bake? Write and solve an equation.

PRACTICE:

Haley participated in a read-a-thon. Mrs. Anderson pledged \$4 per book and gave Haley \$44. How many books did Carmen read? Write and solve an equation.

PRACTICE:

Nate drove 420 miles and used 15 gallons of gasoline. How many miles did Nate's car travel per gallon of gasoline. Write and solve an equation.