

Objective: TSWBAT write and solve equations using multiplication and division

Examples

$$\textcircled{1} \quad \frac{x}{-7} = 15(-7)$$

$$x = -105$$

$$\textcircled{5} \quad \frac{N}{5} = 112(5)$$

$$N = 560$$

$$\textcircled{2} \quad \frac{N}{8} = -5(8)$$

$$N = -40$$

$$\textcircled{6} \quad \frac{265}{-5} = \frac{-5N}{-5}$$

$$-53 = N$$

$$\textcircled{3} \quad \frac{816}{8} = \frac{8N}{8}$$

$$N = 102$$

$$\textcircled{7} \quad \frac{N}{-3} = 14(-3)$$

$$N = -42$$

$$\textcircled{4} \quad \frac{3y}{3} = \frac{-12}{3}$$

$$y = -4$$

$$\textcircled{8} \quad \frac{-12N}{-12} = \frac{-60}{-12}$$

$$N = 5$$

$$\textcircled{9} \quad \frac{N}{-3} = 9(-3)$$

$$N = -27$$

$$\textcircled{10} \quad \frac{-2}{-16} = \frac{r}{-16} \quad (-16)$$

$$32 = r$$

One-Step Equation Word Problems

Date _____ Period _____

- 1) Lisa is cooking muffins. The recipe calls for 7 cups of sugar. She has already put in 2 cups. How many more cups does she need to put in?

$$2 + N = 7$$

- 2) At a restaurant, Mike and his three friends decided to divide the bill evenly. If each person paid \$13 then what was the total bill?

$$\frac{N}{4} = 13$$

- 3) How many packages of diapers can you buy with \$40 if one package costs \$8?

$$\frac{40}{8} = N$$

- 4) Last Friday Trevon had \$29. Over the weekend he received some money for cleaning the attic. He now has \$41. How much money did he receive?

$$29 + N = 41$$

- 5) Last week Julia ran 30 miles more than Pranav. Julia ran 47 miles. How many miles did Pranav run?

$$47 = N + 30$$

- 6) How many boxes of envelopes can you buy with \$12 if one box costs \$3?

$$\frac{12}{3} = N$$

- 7) Amanda and her best friend found some money buried in a field. They split the money evenly, each getting \$24.28. How much money did they find?

$$\frac{N}{2} = 24.28$$

- 8) Jenny wants to buy an MP3 player that costs \$30.98. How much change does she receive if she gives the cashier \$40?

$$40 - 30.98 = N$$

- 9) Last Friday Adam had \$22.33. Over the weekend he received some money for cleaning the attic. He now has \$32. How much money did he receive?

$$22.33 + N = 32$$

- 10) After paying \$5.12 for a salad, Norachai has \$27.10. How much money did he have before buying the salad?

$$N - 5.12 = 27.10$$

- 11) A recipe for cookies calls for $3\frac{1}{4}$ cups of sugar. Amy has already put in $3\frac{1}{9}$ cups. How many more cups does she need to put in?

- 12) Your mother gave you \$13.32 with which to buy a present. This covered $\frac{3}{5}$ of the cost. How much did the present cost?

- 13) If the weight of a package is multiplied by $\frac{5}{7}$ the result is 40.5 pounds. Find the weight of the package.

- 14) A stray dog ate 12 of your muffins. That was $\frac{3}{10}$ of all of them! With how many did you start?