

Solving with Word Problems - NOTES

Solve the one-step word problems.

- 1) Amanda was given \$14.16 for washing the car. She now has \$41.36. How much money did she start with?

$$\begin{array}{r} x + 14.16 = 41.36 \\ -14.16 \quad -14.16 \\ \hline \end{array}$$

$$x = \$27.20$$

- 2) Last week Maria ran 18.2 miles less than Scott. Maria ran 15.1 miles. How many miles did Scott run?

$$M = S - 18.2$$

$$\begin{array}{r} 15.1 = S - 18.2 \\ +18.2 \quad +18.2 \\ \hline \end{array}$$

$$33.3 = S$$

- 3) Imani wants to buy a goldfish for \$6.08. She gives the cashier \$7. How much change does she receive?

$$\begin{array}{r} 6.08 + x = 7 \\ -6.08 \quad -6.08 \\ \hline \end{array}$$

$$x = \$.92$$

- 4) Last week Julia ran 14.8 miles more than Abhasra. Julia ran 24.3 miles. How many miles did Abhasra run?

$$A + 14.8 = J$$

$$\begin{array}{r} A + 14.8 = 24.3 \\ -14.8 \quad -14.8 \\ \hline \end{array}$$

$$A = 9.5$$

- 5) Jimmy spent \$27.09 on diapers. If they cost \$3.01 / package, how many packages did he buy?

$$\frac{3.01}{3.01} * p = \frac{27.09}{3.01}$$

$$p = 9$$

- 6) Molly and her best friend found some money in a trash can. They split the money evenly, each getting \$21.03. How much money did they find?

$$2 * \frac{m}{2} = \$21.03 * 2$$

$$m = \$42.06$$

Solve the two-step word problems.

- 7) Ted's Bikes rents bikes for \$19 plus \$8 per hour. Jaidee paid \$67 to rent a bike. For how many hours did she rent the bike?

$$\begin{array}{r} 19 + 8 * h = 67 \\ -19 \quad -19 \\ \hline \end{array}$$

$$\frac{8h}{8} = \frac{48}{8}$$

$$h = 6$$

- 8) Molly won 100 pieces of gum playing horseshoes at the county fair. At school she gave four to every student in her math class. She only has 8 remaining. How many students are in her class?

$$\begin{array}{r} 100 = 4 * x + 8 \\ -8 \quad -8 \\ \hline \end{array}$$

$$\frac{92}{4} = \frac{4x}{4}$$

$$23 = x$$

- 9) Norachai won 101 pieces of gum playing the bean bag toss at the county fair. At school he gave four to every student in his math class. He only has 9 remaining. How many students are in his class?

$$\begin{array}{r} 101 = 4x + 9 \\ -9 \quad -9 \\ \hline \end{array}$$

$$\begin{array}{r} 92 = 4x \\ \hline 4 \quad 4 \end{array}$$

$$\boxed{23 = x}$$

- 10) Kayla won 62 lollipops playing hoops at her school's game night. Later, she gave three to each of her friends. She only has 5 remaining. How many friends does she have?

$$\begin{array}{r} 62 = 3x + 5 \\ -5 \quad -5 \\ \hline \end{array}$$

$$\begin{array}{r} 57 = 3x \\ \hline 3 \quad 3 \end{array}$$

$$\boxed{19 = x}$$

- 11) For a field trip 5 students rode in cars and the rest filled five buses. How many students were in each bus if 260 students were on the trip?

$$\begin{array}{r} \text{CARS} \quad \text{BUSES} \\ \downarrow \quad \downarrow \\ 260 = 5 + 5x \\ -5 \quad -5 \end{array}$$

$$\begin{array}{r} 255 = 5x \\ \hline 5 \quad 5 \end{array}$$

$$\boxed{51 = x}$$

- 12) 228 students went on a field trip. Eight buses were filled and 28 students traveled in cars. How many students were in each bus?

$$\begin{array}{r} 228 = 8x + 28 \\ -28 \quad -28 \\ \hline \end{array}$$

$$\begin{array}{r} 200 = 8x \\ \hline 8 \quad 8 \end{array}$$

$$\boxed{25 = x}$$

- 13) Joe rented a bike from Kali's Bikes. It cost \$17 plus \$8 per hour. If Joe paid \$33, then he rented the bike for how many hours?

$$\begin{array}{r} 17 + 8x = 33 \\ -17 \quad -17 \\ \hline \end{array}$$

$$\begin{array}{r} 8x = 16 \\ \hline 8 \quad 8 \end{array}$$

$$\boxed{x = 2}$$

- 14) 329 students went on a field trip. Nine buses were filled and 5 students traveled in cars. How many students were in each bus?

$$\begin{array}{r} 329 = 9x + 5 \\ -5 \quad -5 \\ \hline \end{array}$$

$$\begin{array}{r} 324 = 9x \\ \hline 9 \quad 9 \end{array}$$

$$\boxed{36 = x}$$