

WORD PROBLEMS - TWO STEP

ANSWERS

1. Kate wants to buy a bike that costs \$300. She already has \$50 and makes \$40 a week at her part time job. If she does not spend any of the money, how many weeks will it take before she can purchase the bike?

$$\begin{aligned} \$50 + (7 \times \$40) &= \$330 \\ 7 \text{ weeks} \end{aligned}$$

3. Victoria lives two miles further away from the beach than Mike (see problem #2). She rode to the beach five times this week. How far did she ride and who rode further, Victoria or Mike?

$$\begin{aligned} (3 + 2) \times 2 &= 10 \text{ miles roundtrip} \\ 10 \times 5 \text{ days} &= 50 \text{ miles} \\ \text{Victoria rides more} \end{aligned}$$

5. Frank works at the local ice cream parlor. He makes \$6.50 an hour. Last week, he worked 4 hours on Tuesday, 3 hours on Thursday, and 5 hours on Saturday. How much did he make?

$$\begin{aligned} (4 + 3 + 5) \times \$6.50 &= 12 \times 6.50 \\ (12 \times 6) + (12 \times .5) &= 72 + 6 = \$78 \end{aligned}$$

7. Kate's father decided to treat her to an ice cream sundae. She ordered a double covered with peanuts, gummy-bears, chocolate chips, and whip cream. A double cost \$2.25 and each topping is \$.50, how much did her ice cream cost?

$$\begin{aligned} \$2.25 + (4 \times \$.50) &= 2.25 + 2 \\ &= \$4.25 \end{aligned}$$

2. During the summer Mike rides his bike to the beach everyday. His house is 3 miles away from the beach. How many miles does he ride in one week?

$$\begin{aligned} 3 \times 2 &= 6 \text{ miles roundtrip} \\ 6 \times 7 \text{ days} &= 42 \text{ miles} \end{aligned}$$

4. Kate bought her bike and started delivering architectural blueprints for her dad. He pays her \$5 per job. Kate delivered 4 blueprints on Monday, 2 on Thursday, and 5 blueprints on Friday. How much did she make this week?

$$(4 + 2 + 5) \times \$5 = 11 \times 5 = \$55.00$$

6. Victoria took her two little brothers to YoYo's Ice Cream Parlor. They both ordered double scoops and she ordered a single. If a double cost \$2.25 and a single cost \$1.50, how much did she spend?

$$\begin{aligned} (2 \times \$2.25) + \$1.50 &= 4.50 + 1.50 \\ &= \$6.00 \end{aligned}$$

8. A new ice cream shop opened in town. They have a special deal where you can buy three orders of double scoops for \$6.99. How much does one order cost at that price and which shop has the better deal, YoYo's or the new one? (see problem #6)

$$\begin{aligned} \$6.99 / 3 &= \$2.33 \text{ for one double} \\ \text{The other shop (Frank's) is cheaper} \end{aligned}$$