

Ratio Word Problems

Answer each question.

1

Jonathan is building an outdoor staircase for his deck. He uses 8 screws for every 2 steps. If there are 14 steps, how many screws does Jonathan need?

56 screws

2

Dominic makes some pizzas before opening his pizzeria each day. For every 3 cheese pizzas he makes, he makes 2 specialty pizzas. How many specialty pizzas will Dominic make if he makes 12 cheese pizzas?

8 specialty pizzas

4

In Alice's favorite video game, Coin Collector, she earns 12 points for every 5 coins she finds. In the first level, Alice found 35 coins. How many points did she earn in the first level?

84 points

3

The ratio of paintbrushes to bottles of paint in Ms. Nelson's supply closet is 8 to 3. If there are 48 paintbrushes, how many bottles of paint are there?

18 bottles of paint

5

On Friday, the ratio of hamburger orders to hot dog orders in the school cafeteria was 15:10. If there were 50 hot dog orders, how many hamburger orders were there?

75 hamburger orders

6

When Ruby works out, she spends 2 minutes stretching for every 15 minutes of exercise. Ruby spent 60 minutes exercising this morning. How long did she spend stretching?

8 minutes

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Keep going! Answer each question.

7

Quentin takes piano lessons each month. Last month, he took 4 piano lessons and paid \$104. This month, he plans to take 2 piano lessons. How much will Quentin pay this month?

\$52

8

Deja bought 6 bunches of mint for \$15 from the farmers' market last weekend. This weekend, she went back to buy 2 more bunches of mint. How much did Deja pay this weekend?

\$5

10

Noah is learning Portugese, and he uses flash cards to study vocabulary. For every 5 new flash cards he practices, he reviews 10 old flash cards. Today, he practiced 45 flash cards in all. How many new flash cards did he practice?

15 flash cards

9

Valerie is making fruit salad using strawberries and melons. The ratio of strawberries to melons is 3:4. If Valerie makes 14 cups of fruit salad for a party, how many cups of strawberries does she use?

6 cups of strawberries

11

When Terrance goes to the movie theater, he spends \$12 on a ticket and \$6 on snacks. Last month, Terrance spent a total of \$54 at the movie theater. How many times did Terrance visit the movie theater last month?

3 times