

Problem Solving: Multiple-Step Problems

Chad and Amy cut lawns in their neighborhood to make money. They charge \$20 per lawn. One weekend, Amy cut 4 lawns, and Chad cut 3 lawns. How much money did they earn all together?

Solution One

Hidden Question: How many lawns did they mow all together?

Chad cut 3 lawns, Amy cut 4 lawns.

$$3 + 4 = 7$$

They cut 7 lawns.

Question in the Problem: How much money did they earn all together?

$$7 \text{ lawns} \times \$20 = \$140$$

Chad and Amy earned \$140.

Solution Two

Hidden Question 1: How much money did Chad get for cutting lawns?

$$3 \times \$20 = \$60$$

Hidden Question 2: How much money did Amy get for cutting lawns?

$$4 \times \$20 = \$80$$

Question in the Problem: How much money did they earn all together?

$$\$60 + \$80 = \$140$$

Chad and Amy earned \$140.

Write and answer the hidden question or questions. Then solve the problem. Write your answer in a complete sentence.

- Keisha sold 8 ribbons and 6 pins at a craft fair. She sold the ribbons for \$3 each and the pins for \$2 each. How much money did Keisha earn?

- Ken uses 6 apples and 2 bananas to make a fruit salad. He puts twice as many oranges as bananas in the salad. How many pieces of fruit will Ken use to make 2 fruit salads?
