

- 1 A dairy worker has 12 gallons of milk. She wants to pour it into 1-quart containers.

a. How many quarts are in 1 gallon?

4 quarts

b. How many quarts are in 12 gallons?

48 quarts

c. How many quarts of milk does the dairy worker have?

48 quarts

d. Write an expression to model the number story.

$12 * 4$

- 2 A seamstress sewed two pieces of fabric together. One piece was 3 feet long. The other was 8 inches long.

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a. What is the length of the 3-foot piece of fabric in inches?

36 inches

b. What is the total length of the new piece of fabric?

44 inches

c. Write an expression to model both steps of the number story.

$(3 * 12) + 8$

For Problems 3 and 4:

- Solve the problem.
- Write an expression to model the problem. Evaluate the expression to check your answer.

- 3 Two fifth-grade students had a running race. It took one student 2 minutes to run from one end of the playground to the other. It took the other student 98 seconds. How much faster was the second student's time?

Try This

- 4 A restaurant chef has 5 pounds of steak. He wants to cut it into 8-ounce portions to serve to customers. How many 8-ounce portions can he make?

Answer: 22 seconds

$(2 * 60) - 98$

(number model)

Answer: 10 portions

$(5 * 16) / 8$

(number model)