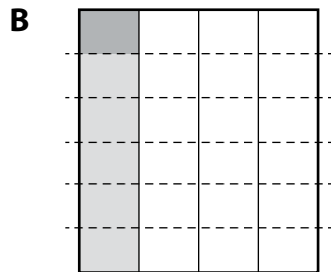Name _____ Date _____

Ready® Mathematics

Lesson 17 Quiz

Solve the problems.

1 Which model represents $\frac{1}{4} \div 6$?

A

C

B

D
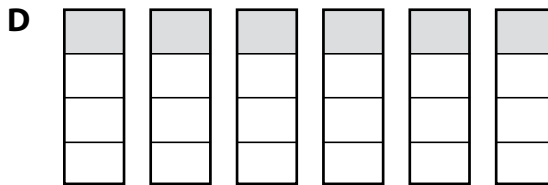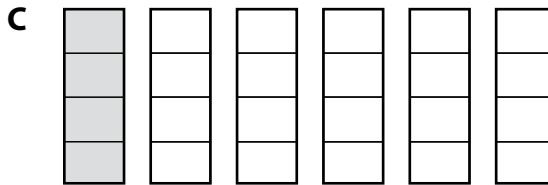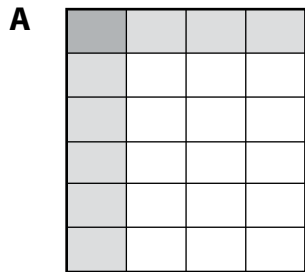
2 Nick says that when a fraction is divided by a whole number, the quotient is always greater than the fraction. Lee says that Nick is incorrect. He draws this model to show Nick an example of why he is incorrect.
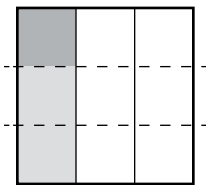
Is Nick or Lee correct? Fill in the blanks to complete the explanation.

This model shows unit fractions of _____ divided into _____ equal

parts. It represents the division expression _____ ÷ _____, which has

a quotient of _____. This quotient _____ greater than the fraction that

is being divided by the whole number. _____ is correct.

Lesson 17 Quiz continued

3 Staci has 6 quarts of strawberries. She divides this into $\frac{1}{3}$-quart servings. How many servings does she make?
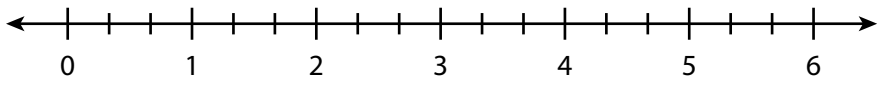
Show your work.

Answer: _____ servings

4 Wendy wants to run 3 miles. Each lap around the track at her school is $\frac{1}{8}$ mile. Wendy wants to figure out how many laps she needs to run.

Part A

Which model could Wendy use to find how many laps she should run?

A

B

C

D

Part B

Fill in the blanks to write a division equation and a multiplication equation to represent the problem. Then fill in the blank to tell how many laps Wendy will need to run.

_____ ÷ _____ = _____

_____ × _____ = _____

Wendy will need to run _____ laps.