

End-of-Unit Assessment

Unit 5.2

- 1 A piece of string is 20 inches long. Clare cut off $\frac{1}{5}$ of the string. How much did Clare cut off? Select **THREE** that apply.

A. $\frac{1}{5} \times 20$

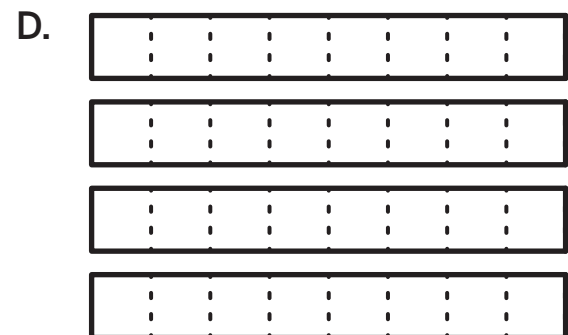
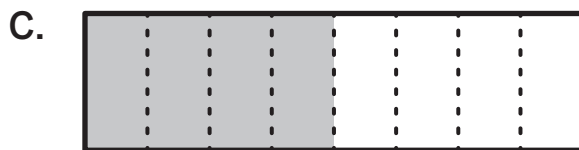
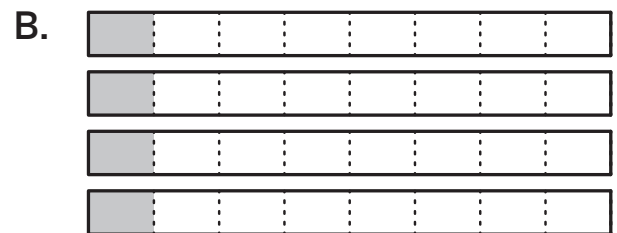
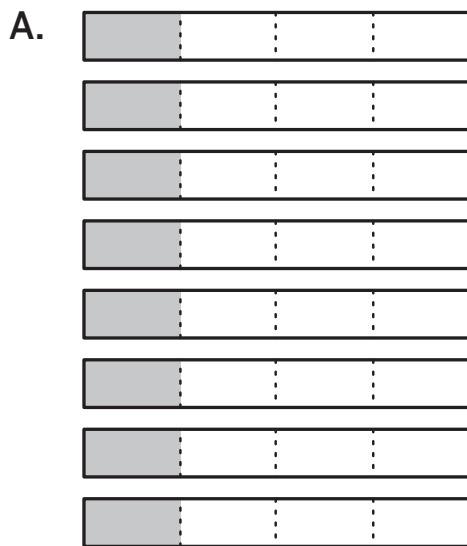
B. $\frac{5}{20}$

C. 4

D. $\frac{20}{5}$

E. $5 \div 20$

- 2 A baker makes 8 muffins. He puts $\frac{1}{4}$ cups of blueberries in each muffin. Which model represents how many cups of blueberries the baker used?



End-of-Unit Assessment (continued)**Unit 5.2**

- 3** A dog ate $\frac{1}{4}$ of a 20-piece bag of training treats in a week. How many treats did the dog eat?

A. 5

B. $\frac{1}{80}$

C. $\frac{1}{5}$

D. 80

- 4** A recipe calls for $\frac{3}{4}$ cups of pretzels for each batch of trail mix. Which expression could be used to determine how many cups of pretzels are needed to make 5 batches of trail mix?

A. $\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$

B. $\frac{1}{5} \times \frac{3}{4}$

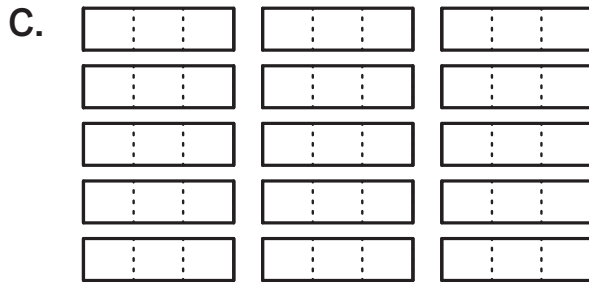
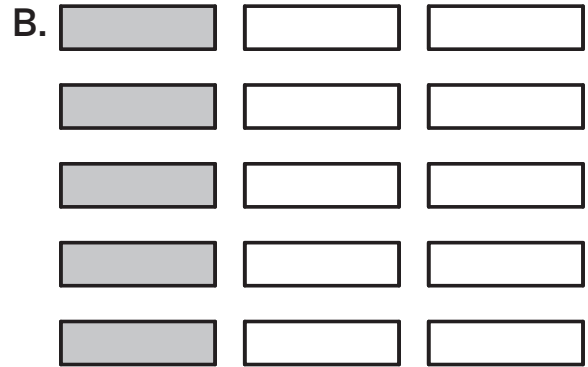
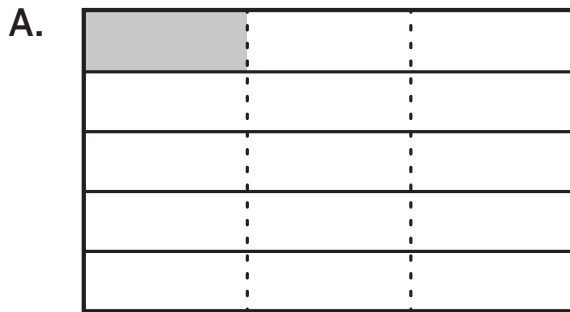
C. $\frac{3}{4} + 5$

D. $5 \times \frac{3}{4}$

End-of-Unit Assessment (continued)

Unit 5.2

5 Which model represents $15 \div \frac{1}{3}$?



6 An orange weighs $\frac{1}{2}$ pounds. Diego cut the orange into 3 equal pieces. How much does each piece of the orange weigh?

Show or explain your thinking. _____

answer: _____

End-of-Unit Assessment (continued)

Unit 5.2

For Problems 7 and 8, you can use this rubric to help you.
Place a check mark as you complete each part.

- | | |
|---|---|
| <input type="checkbox"/> Analyze the given information. | <input type="checkbox"/> Justify your solution using math language from the unit. |
| <input type="checkbox"/> Come up with a plan. | <input type="checkbox"/> Read your response. Does your solution make sense? |
| <input type="checkbox"/> Determine your solution. | |

Diego and Priya are making pizza. Diego cut 4 pieces of dough into $\frac{1}{3}$ size pieces, and Jada evenly divided $\frac{1}{2}$ cups of cheese onto 3 pizzas.

- 7** Without evaluating the expression $4 \div \frac{1}{3}$, Diego said the quotient is less than 1 because the divisor is a unit fraction. Priya said the quotient is a whole number because the quotient represents how many fractional parts there are in 4 wholes. Who do you agree with? Explain your thinking.

- 8** How many cups of cheese are on each pizza? Which part of the area model represents the quotient? Explain your thinking.

