Name _____

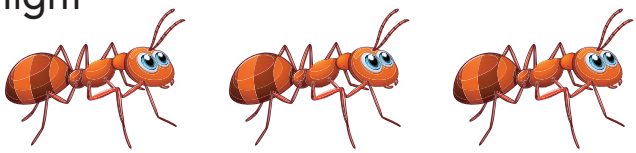
Problem Solving • Equal Shares

Essential Question How can drawing a diagram help when solving problems about equal shares?

Common Core **Geometry—2.G.A.3**

MATHEMATICAL PRACTICES
MP1, MP4, MP6

There are two sandwiches that are the same size. Each sandwich is divided into fourths, but the sandwiches are cut differently. How might the two sandwiches be cut?



Unlock the Problem Real World

What do I need to find?

how the sandwiches could be cut

What information do I need to use?

There are _____ sandwiches. Each sandwich is divided into _____.

Show how to solve the problem.

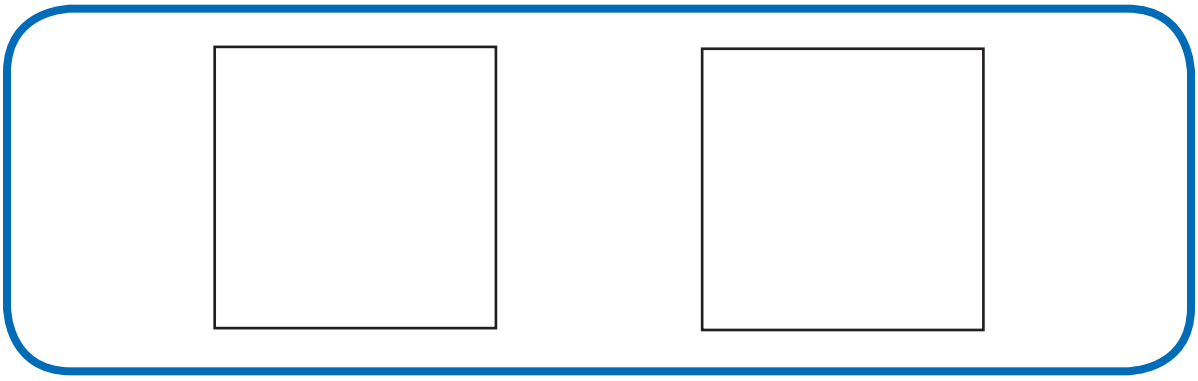
HOME CONNECTION • Your child drew a diagram to represent and solve a problem about dividing a whole in different ways to show equal shares.

Try Another Problem

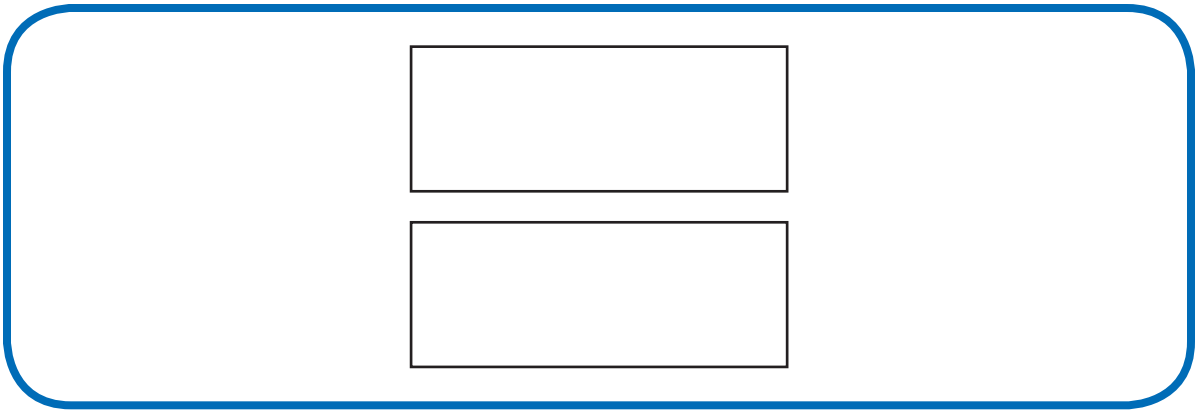
- What do I need to find?
- What information do I need to use?

Draw to show your answer.

1. Marquis has two square sheets of paper that are the same size. He wants to cut each sheet into halves. What are two different ways he can cut the sheets of paper?



2. Shanice has two pieces of cloth that are the same size. She needs to divide each piece into thirds. What are two different ways she can divide the pieces of cloth?



Math Talk MATHEMATICAL PRACTICES 1

In Problem 2, **explain** how a third of the two pieces of cloth are alike and how they are different.

Name _____

Share and Show MATH BOARD

Draw to show your answer.

3. Brandon has two pieces of toast that are the same size. What are two different ways he can divide the pieces of toast into halves?

4. Mr. Rivera has two small trays of pasta that are the same size. What are two different ways he can cut the pasta into fourths?

5. THINK SMARTER Erin has two ribbons that are the same size. What are two different ways she can divide the ribbons into thirds?

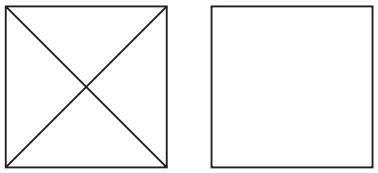
Math on the Spot

Problem Solving • Applications Real World

WRITE Math

Solve. Write or draw to explain.

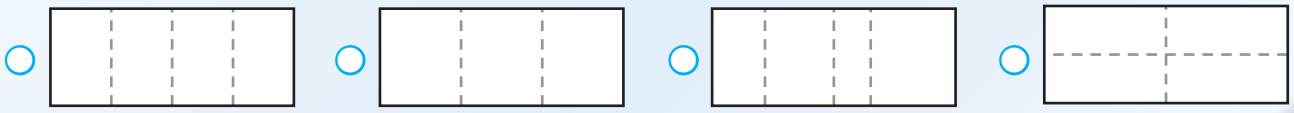
6. MATHEMATICAL PRACTICE 1 **Use Diagrams** David needs to divide two pieces of paper into the same number of equal shares. Look at how the first paper is divided. Show how to divide the second paper a different way.



7. GO DEEPER Mrs. Lee cut two sandwiches into halves. How many equal shares does she have?

_____ equal shares

8. THINK SMARTER Emma wants to cut a piece of paper into fourths. Fill in the bubble next to all the ways she could cut the paper.



TAKE HOME ACTIVITY • Ask your child to draw two rectangles and show two different ways to divide them into fourths.

Name _____

Problem Solving • Equal Shares

Common Core **COMMON CORE STANDARD—2.G.A.3**
Reason with shapes and their attributes.

Draw to show your answer.

1. Max has square pizzas that are the same size. What are two different ways he can divide the pizzas into fourths?

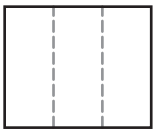
2. Lia has two pieces of paper that are the same size. What are two different ways she can divide the pieces of paper into halves?

3. WRITE Math Draw and write to explain how you can divide a rectangle into thirds in two different ways.

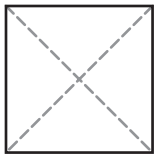
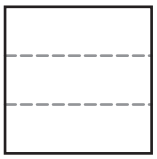
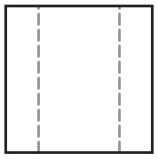
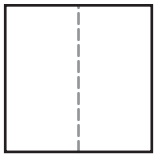
_____

Lesson Check (2.G.A.3)

1. Bree cut a piece of cardboard into thirds like this.

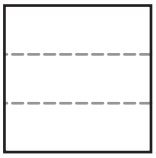
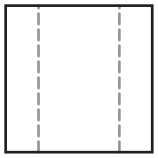
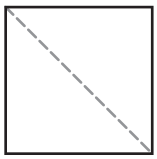
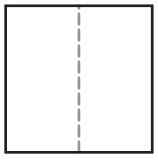


Circle the other shape that is divided into thirds.

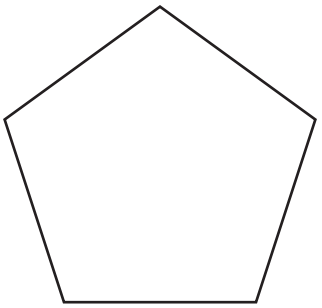





Spiral Review (2.MD.C.7, 2.MD.C.8, 2.G.A.1)

2. Circle the shape with three equal parts.

3. How many angles does this shape have?



____ angles

4. What is the best estimate for the width of a door?

____ feet

5. Which is another way to write 10 minutes after 9?

____ : ____