KCS @ home

Summer Edition

Second Grade Math

Activity 1

knoxschools.org/kcsathome

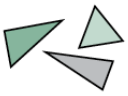
This packet includes four sections that cover the major content of 2nd grade math. Each section includes multiple pages of notes and practice for each topic. For additional support, visit KCS TV on YouTube for instructional videos that accompany each section.

The following content is included in this packet:

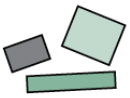
Topic			
I. Geometry	**II. Represent Addition and Subtraction Problems**	**III. Use Place Value to Add and Subtract**	**IV. Addition and Subtraction with Length**
Identify shapes and attributes	Add using words, pictures, equations, or objects	Add and subtract with two-digit numbers	Compare lengths
Tiling Rectangles	Subtract using words, pictures, equations, or objects	Add and subtract with three-digit numbers	Word problems with lengths
Halves, Thirds, and Fourths			Match word problems with equations

Activity Set 1: Geometry

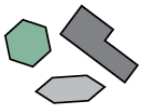
A **triangle** has 3 sides and 3 corners.



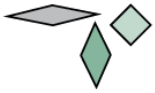
A **rectangle** has 4 sides and 4 square corners.



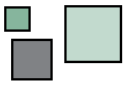
A **hexagon** has 6 sides and 6 corners.



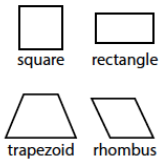
A **rhombus** has 4 sides the same length and 4 corners.



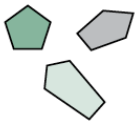
A **square** has 4 sides the same length and 4 square corners.



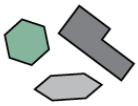
Quadrilaterals have 4 sides and 4 angles.

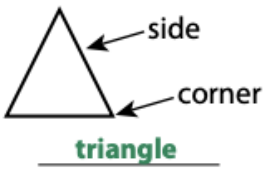


Pentagons have 5 sides and 5 angles.

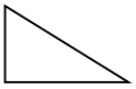


Hexagons have 6 sides and 6 angles.

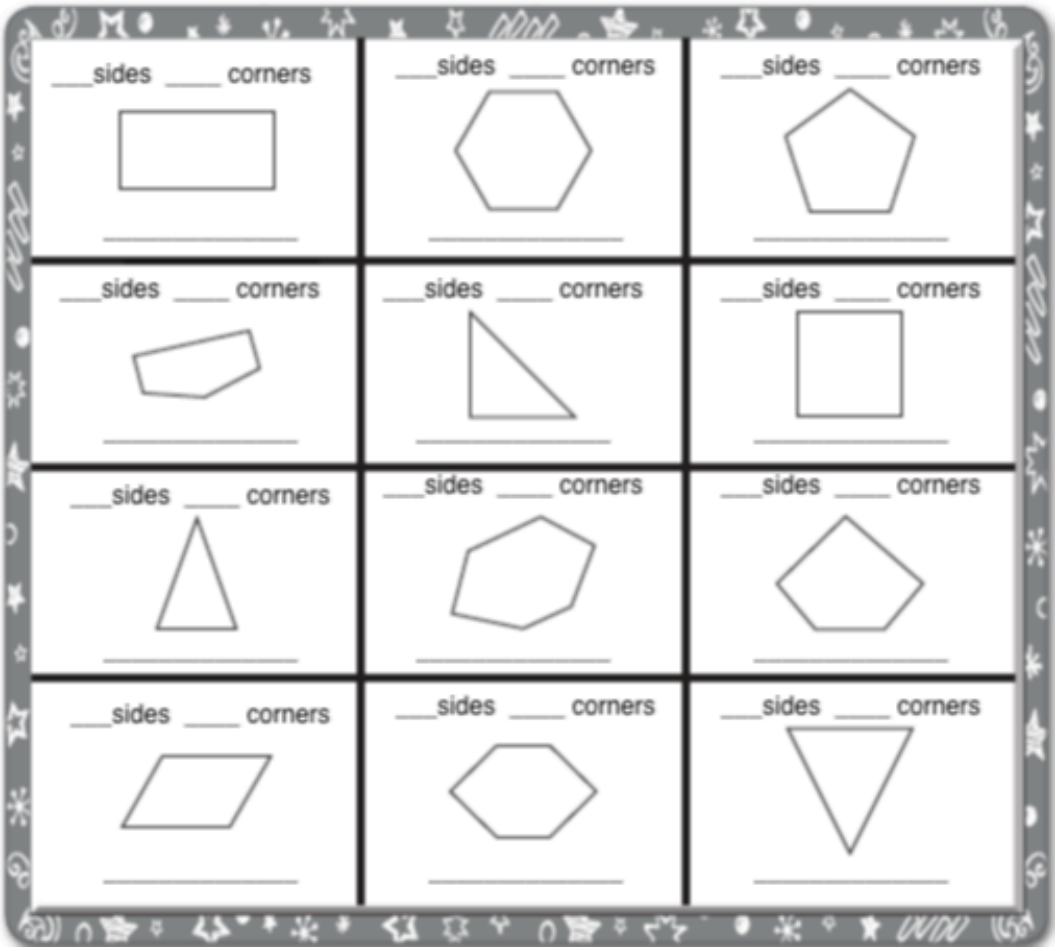




triangle

4 sides 4 square corners	6 sides 6 corners	3 sides 3 corners
		
rectangle	hexagon	triangle

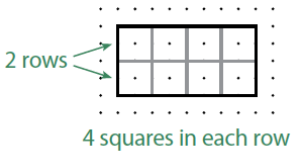
Count and write the number of sides and corners for each shape below. Then write the name of the shape underneath the shape.



Activity Set 1: Geometry

Sal drew squares on dot paper to fill a rectangle. How many squares did he draw in all?

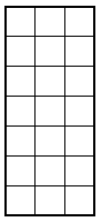
- You can count each square.
- Or you can count the rows and number of squares in each row. Then add: 4 + 4 = ?



Sal drew 8 squares in all.

Example:

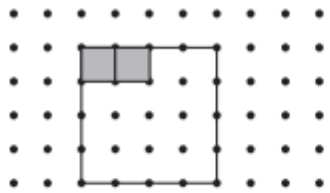
Answer the questions below to find how many squares are in the rectangle.

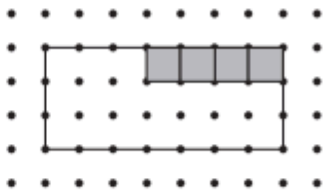


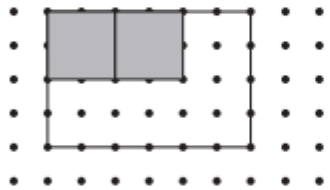
1. How many rows of squares are there?
   7 rows
2. How many squares are in each row?
   3 squares
3. What number sentence can you write to find how many squares in all?
   3 + 3 + 3 + 3 + 3 + 3 + 3. = 21
4. How many squares are in the rectangle?
   21 squares

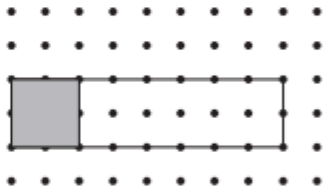
Practice:

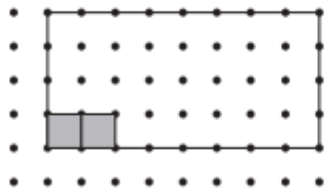
Draw Squares to Fill Rectangles

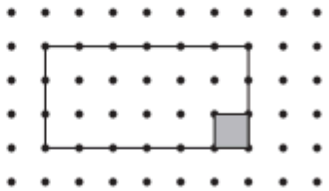

_____ squares


_____ squares


_____ squares


_____ squares


_____ squares

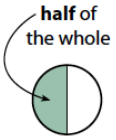

_____ squares

Activity Set 1: Geometry

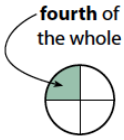
Draw 4 equal parts. Circle the word that describes the parts.

halves

fourths

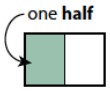


2 equal parts

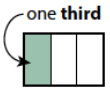


4 equal parts

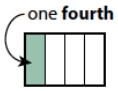
Divide this rectangle into equal parts.



2 equal parts



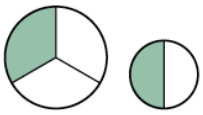
3 equal parts



4 equal parts

Example

Cho drew these circles.



Cho wrote, My picture shows that a pie cut in thirds has bigger pieces than the same pie cut in half.

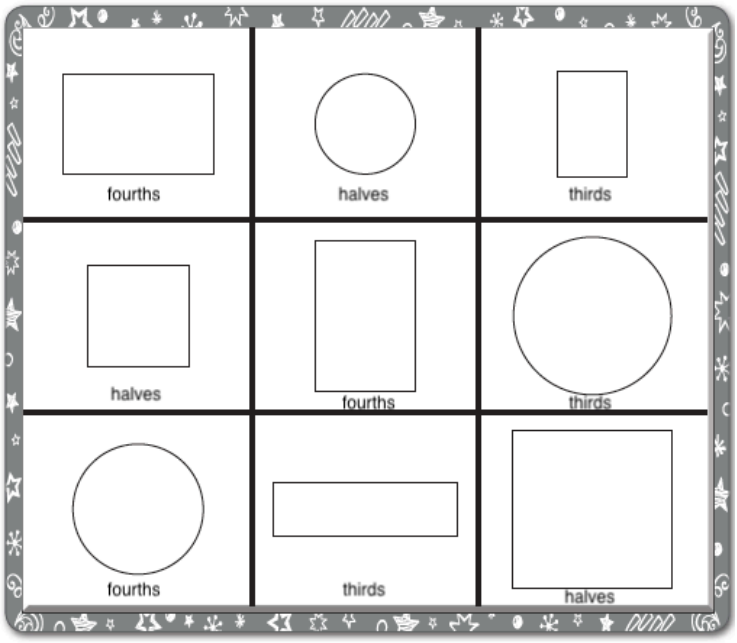
What did Cho do right? What did he do wrong? Use pictures, words, or numbers to explain.

Cho showed thirds and halves correctly. The first circle is divided into 3 equal parts. The second circle is divided into 2 equal parts.

Cho's mistake was that he drew the circles different sizes. He should have drawn the circles the same size. That is because he is trying to show the same pie cut two different ways.

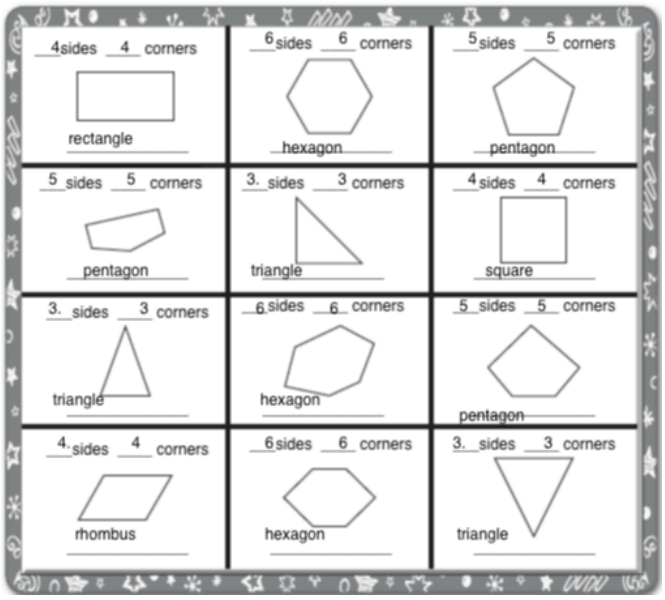
Cho should have drawn his circles like this. Then he would see that a pie cut in thirds has smaller pieces than the same pie cut in half.

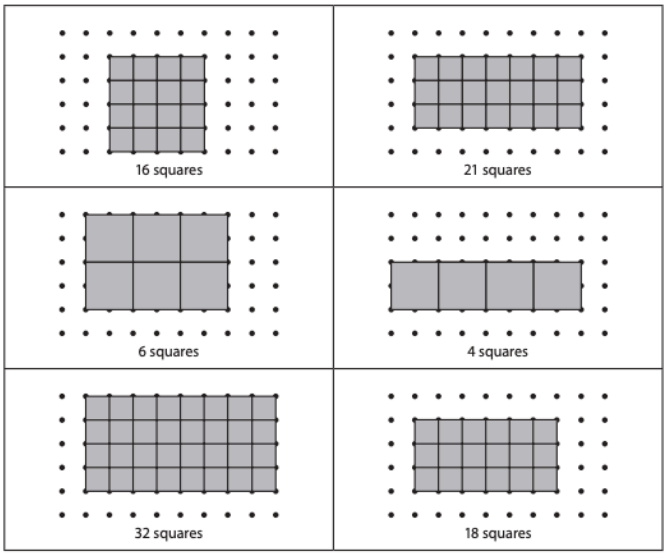
Practice:



Activity Set 1: Geometry

Answer Key





Answers will vary. (Please forgive the drawings, as I had to do them on my phone.)
Check drawings for figures with 2, 3, and 4 equal shares.