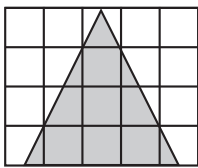
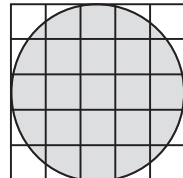


1. What is a good estimate of the area covered by the triangle below?



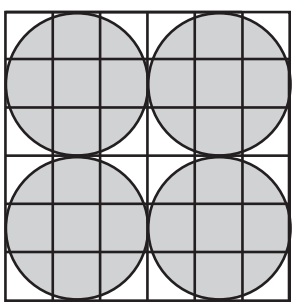
- A About 4 square units
- B About 6 square units
- C About 8 square units
- D About 12 square units

2. What is a good estimate of the area covered by the figure below?



- A About 10 square units
- B About 19 square units
- C About 23 square units
- D About 25 square units

3. **Writing to Explain** How would you find the area of the portion that is not shaded? About how many square units is this?



Teamwork



Get Started



or



Get 20 red squares.

Put **0** **1** **2** **3** **4** **5** **6** **7** **8** **9** in a bag.

Repeat for Each Round

Work together. Pick a tile. Read the area next to that tile number.

Use squares to make a figure that has the given area.

Remove the squares. Make a different figure that has the same area.

0 8 square units

1 10 square units

2 11 square units

3 12 square units

4 13 square units

5 14 square units

6 15 square units

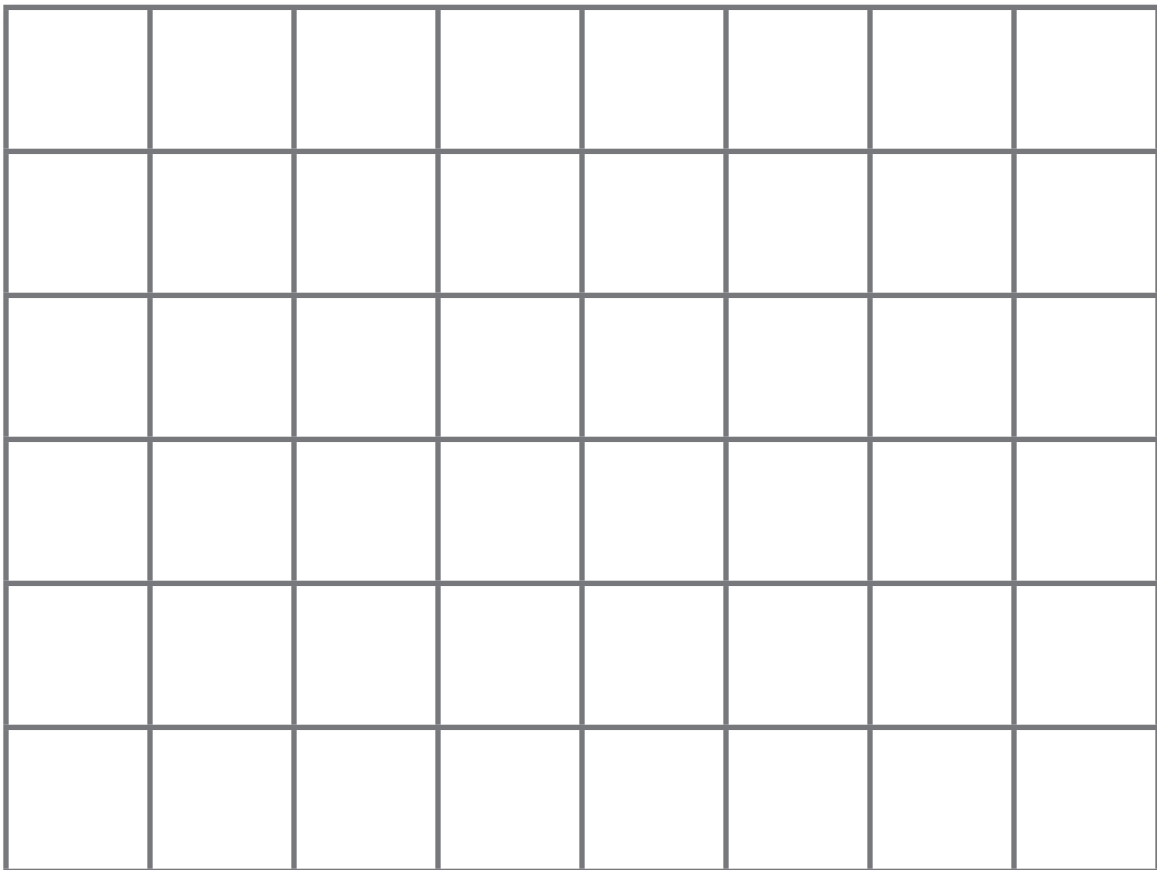
7 16 square units

8 18 square units

9 20 square units



one square unit



If you have more time



Put the tiles back in the bag. Begin again. This time, try to make three different figures that have the chosen area.

Teamwork



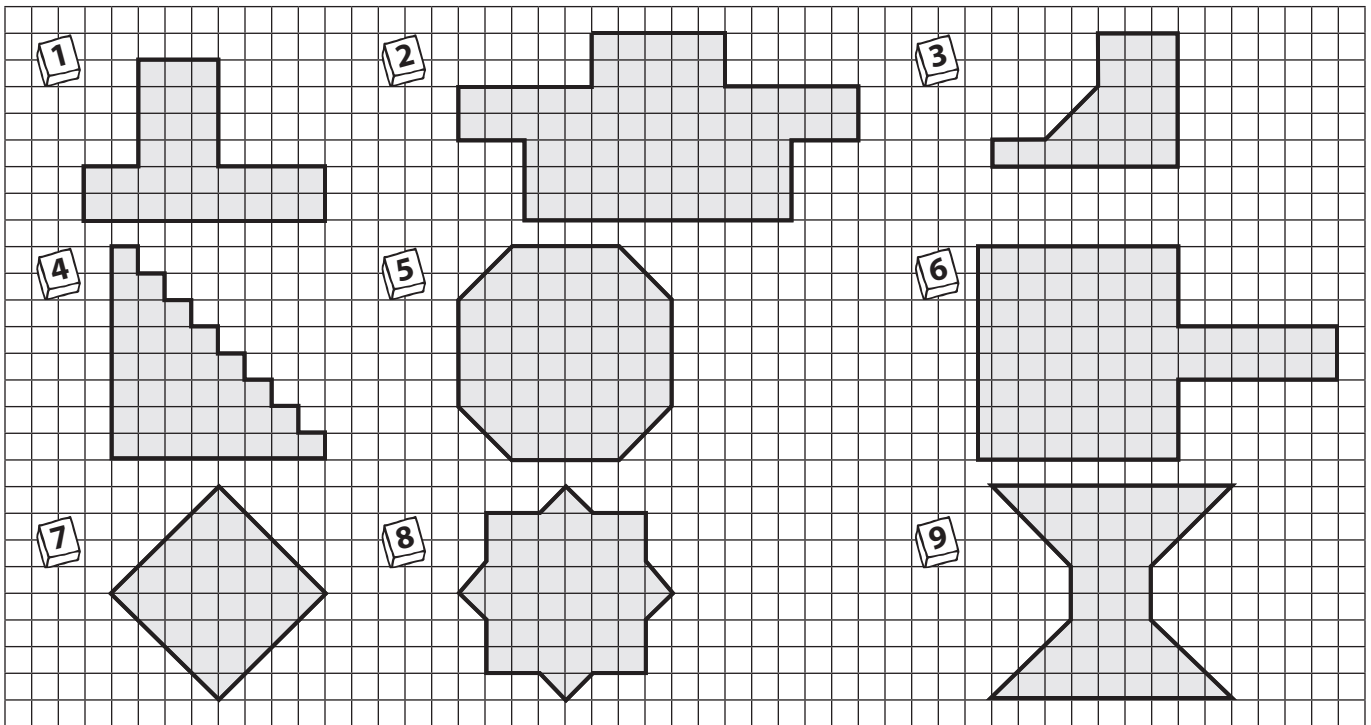
Get Started



Put **1 2 3 4 5 6 7 8 9** in a bag.
Work together.

Repeat for Each Round

Pick a tile. Find the figure next to that tile number.
Find the area of its shaded region.
Use your tile to cover the answer.



21
square
units

32
square
units

70
square
units

36
square
units

56
square
units

30
square
units

42
square
units

40
square
units

72
square
units

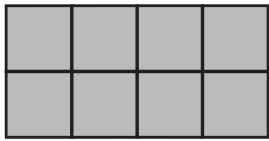
If you have
more time



Draw your own figure on grid paper.
Ask your partner to find or estimate the area of your figure.

Covering Regions

Area is the number of square units used to cover a region.

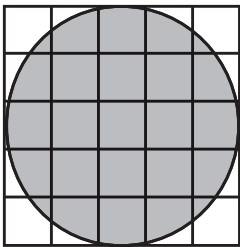


In the shape above, you can find the exact area by counting the number of square units that make up the rectangle.

There are 8 squares in the shape.

So, the area of the shape is 8 square units.

Sometimes you can estimate the area.



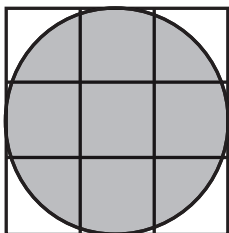
There are about 20 squares in the shape.

So, the area of the shape is about 20 square units.

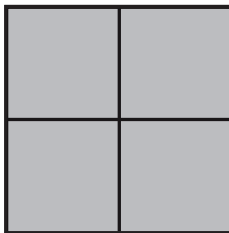
Count to find the area of the shapes below.

Tell if the area is exact or an estimate.

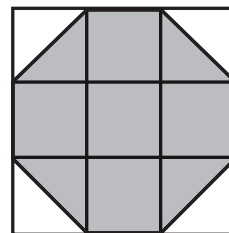
1.



2.



3.

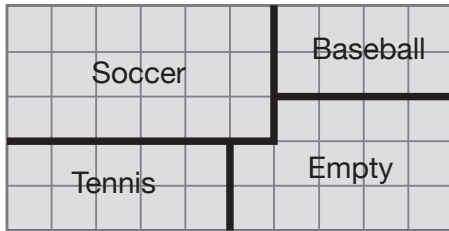


Name _____

Covering Regions

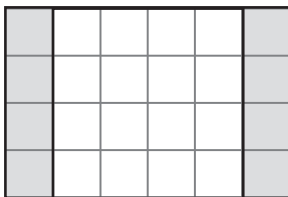
For 1 through 4, use the diagram below.

Athletic Field



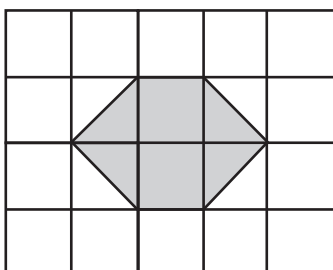
1. What is the area of the soccer section of the field? _____
2. What is the area of the field that is NOT being used? _____
3. How many square units of the field are being used? _____
4. If the school used the soccer and baseball fields to build a football stadium, how large could the area of the stadium be?

5. What is the area of the shaded section?



- A** 16 square units **B** 12 square units **C** 8 square units **D** 4 square units

6. What is the area of the hexagon shown below? Explain.

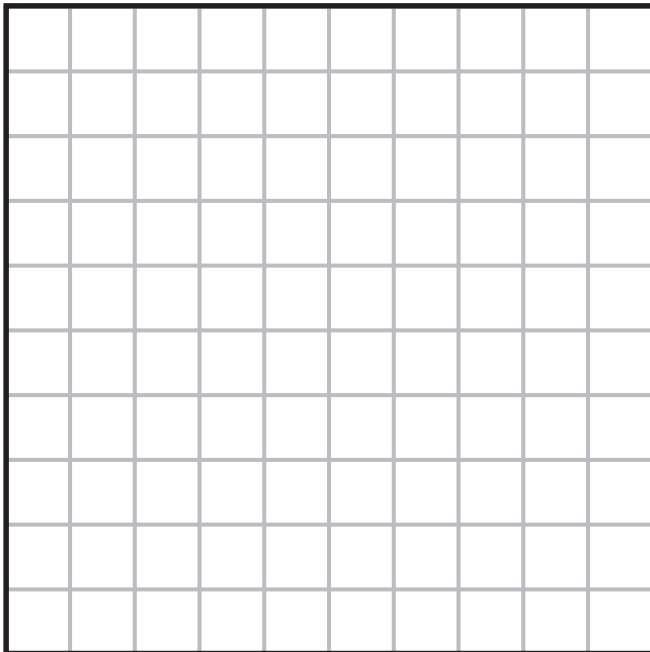


Name _____

A Square Mosaic

On the grid below make a 3-colored design so that:

- One fourth of the squares are colored blue.
- Two fourths of the squares are colored red.
- One fourth of the squares are colored yellow.



1. Write the area covered by each color of your design.

Blue: _____ square units

Red: _____ square units

Yellow: _____ square units

2. Write the area covered by all the colors of the design.

_____ square units