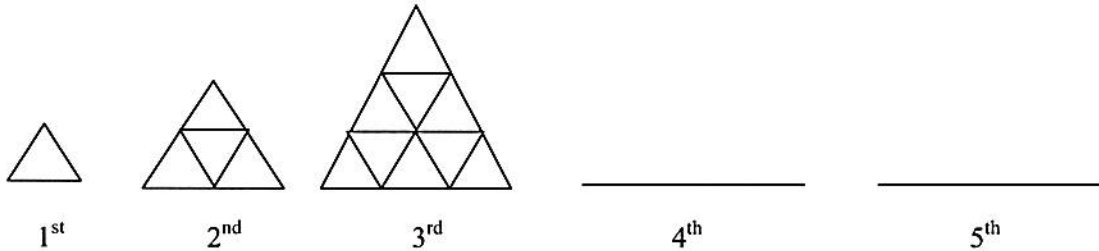


Smiley Face Math
Grade 4, Worksheet VI

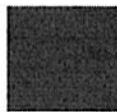
Name: _____

- ☺ ☺ ☺ ☺ 1. a. Draw the 4th and 5th figures to follow the pattern of triangles below.



- b. How many little triangles would be in the 6th and 7th figures? Tell how you know without drawing the figures.

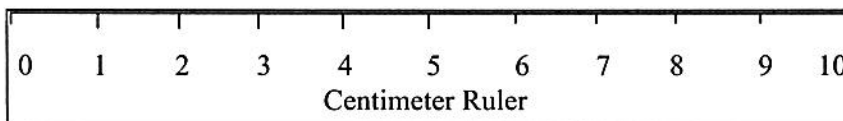
- ☺ ☺ 2. What is the sum of the degrees of the angles in a square?



Answer: _____°

- ☺ ☺ 3. Below is a centimeter ruler. Mark on the ruler about where these pencils would end, if measured with this ruler.

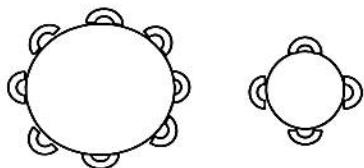
Pencil A: 5.7 centimeters **Pencil B:** 7.3 centimeters **Pencil C:** 9.2 centimeters



- ☺ ☺ ☺ 4. Show that this object has *rotational symmetry*. Show that you can trace over it, and turn the tracing less than a full turn, and it matches itself.

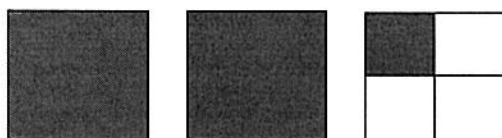


- ☺ ☺ ☺ 5. Sue is planning a picnic for 70 people. Eight people can sit around the large picnic tables. The small tables seat four people. There are only four large tables and they are all full. Sue thinks she needs nine small tables to seat the rest of the guests. Is she right? If not, how many small tables will she need? Draw a diagram to show your thinking.



Answer and explanation:

- ☺ 6. Write a decimal that matches the shaded area of the picture. Each large box is 1 square inch.



Answer: The shaded area shows _____ square inches total.

- ☺ ☺ 7. Kelly painted eggs for an egg hunt. She can paint an egg in 10 minutes. If she painted for two hours, how many eggs did she paint?

Kelly's start time:



Kelly's end time:



Answer: Kelly painted _____ eggs.

- ☺ ☺ ☺ 8. Hank was working with a balance scale. He balanced two toy cars and one 5-gram block with a 25-gram weight. He let w stand for the weight of one car, and he said that $w = 7$ grams. Was he correct? _____ If not, how much did each toy car weigh? _____

