# Fun with Geometry (Level 1)

## **Assessment Questions**

#### **Beauty in Shapes and Measurements**

- 1. Give two examples of objects that have triangular shapes.
- 2. Give two examples of objects that have rectangular shapes.
- 3. Give two examples of objects that have circular shapes
- 4. How can you estimate the height in your toilet or kitchen using the tiles on the wall?
- 5. Can you recreate this pattern?



- 6. Can you draw a rectangle?
- 7. Which is longer: your height or your fathom? Why?

#### **Patterns Everywhere**

- 1. What do you do when you wake up? Put them in an order from 1-4
  - a. Wash my face
  - b. Eat breakfast
  - c. Change my clothes
  - d. Brush my teeth
- 2. Which shape is a red circle, green square, red triangle?



3. Draw a pattern using only one shape. Example:



- 4. Draw the following pattern:
  - a. Triangle, circle, circle, triangle.
- 5. Complete the missing shapes in this pattern:
  - i. square, rectangle, square, circle, square, rectangle, ------, ------
- 6. Discover any patterns in the garden/street/room you are in.

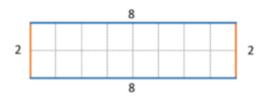
### **Build Your Dream House**

- 1. How many sides does a triangle have?
  - a. 2
  - b. 5
  - c. 3
- 2. How many angles does a rectangle have?
  - a. 3
  - b. 4
  - c. 6
- 3. Name one object that is shaped like a:
  - a. Square
  - b. Circle
- 4. Choose the right answer: the wall of your room looks like a:
  - a. Triangle
  - b. Hexagon
  - c. Rectangle
- 5. Represent the number of each shape as a tally mark
  - a. Circles 14
  - b. Triangles 10
  - c. Squares 8
  - d. Rectangles 17
- 6. Draw a circle (you can use a pencil and thread or draw freely).
- 7. Calculate 20 + 50 =
- 8. Is a square the same as a rectangle? How are they different? (Hint: think of the sides of each shape)

## Draw and Calculate like an Architect:

- 1. Draw an arrow that is pointing to the:
  - a. Right
  - b. Left
- Choose the correct answer: The area of a shape is the size of the floor surface \_\_\_\_\_\_ (inside, outside) the shape.
- 3. What is meant by perimeter of a shape?
  - a. How big the shape is
  - b. How long the shape is the sum of all the sides of the shape
- 4. Using dots or small circles, draw a rectangle that is 5 dots long and 3 dots wide.

- 5. Draw a square that is 4 dots long and 4 dots wide. Find the perimeter by adding the number of dots on all the four sides of the square (hint: 4 + 4 + 4 + 4)
- 6. What is the area of this rectangle? Show by counting or multiplication.



Can you also find its perimeter?

- 7. What is a floor map?
  - a. A map of the world with different countries
  - b. A map of the different parts of one floor of a house
  - c. A picture of the floor
- 8. Draw an example of a floor map