

# THE BIG GEOMETRY QUIZ

*geometry knowledge:*

1. How many sides does a rectangle have?
2. What is the perimeter of a square with one side 5 meters long?
3. How many faces does a cube have?
4. Of one side of a pentagon is 8 centimeters long, what is the perimeter of the pentagon?
5. What is the perimeter of an equilateral triangle with one side 12 centimeters long?
6. How many right angles are there in a trapezoid?
7. How many sides does a hexagon have?
8. How many degrees are there in a circle?
9. How many sides does a heptagon have?
10. How many sides are parallel in a pentagon?

*guess my shape:*

**11. I have 4 sides. 2 of my sides are the same length. The other 2 sides are the same length also. I contain 4 right angles. The two pairs of lines in my shape are both parallel. I am symmetrical horizontally and vertically.**

**12. I have 3 sides. All of my 3 sides are equal. All of my 3 angles are equal. My shape can tessellate. I am only symmetrical vertically.**

**13. All of my angles are obtuse. I am symmetrical both horizontally and vertically. My shape can tessellate. If you flip a trapezoid you get my shape.**

**14. I have 4 sides. My bottom and top sides are parallel. I am only symmetrical vertically. My shape can tessellate. I have 2 angles that are obtuse and 2 angles that are acute.**

**15. I have 6 faces. I have 12 edges. I am 3 dimensional. I have 8 vertices. All my faces are the same area.**