

THE BIG SPACE QUIZ

Made by Rob Vingerhoets Educational Consultancy. Retrieved from www.robvingerhoets.com.au.

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.