Practice worksheet | 3D shapes and transformations

Tessellations

Name: _____ Date: _____

6 questions | 10 marks

1. State the two conditions a repeating shape pattern must meet to be a tessellation. [2 marks]

2. Each equilateral triangle corner is 60°. How many meet to fill 360°? [1 mark]

3. Each square corner is 90°. Show why four fit around a point. [1 mark]

4. Each regular hexagon corner is 120°. How many must meet at a point? [1 mark]

5. Three regular pentagon corners of 108° meet. Calculate the gap. [2 marks]

6. Draw a repeating tessellation of rectangles in the space. Show at least two rows and three columns. Explain how it continues. [3 marks]



Draw a repeating tile pattern