Year 5 · Geometry: Nets

Name: _____ Date: _____

Kia ora! A net is a flat shape that folds up into a 3D shape. Count the faces and picture the folds. Paper and scissors will help with the last questions.

Warm-up

1. How many faces does a cube have?

2. What shape is each face of a cube?

3. How many faces does a square pyramid have?

4. How many faces does a triangular prism have?

Practice

5. A net is made of 6 rectangles. Which 3D shape does it make?

6. A net is made of 1 square and 4 triangles. Which 3D shape does it make?

7. A net is made of 2 triangles and 3 rectangles. Which 3D shape does it make?

8. A net is made of 2 circles and 1 rectangle. Which 3D shape does it make?

9. How many edges and how many corners does a cube have?

10. A box is 2 cm by 3 cm by 4 cm. List the rectangles you need for its net.

Challenge

11. Six squares sit in one straight row. Can they fold into a cube? Explain.

12. Four squares sit in a row, with one more above the second square and one more below it. Can this fold into a cube? Try it with paper.