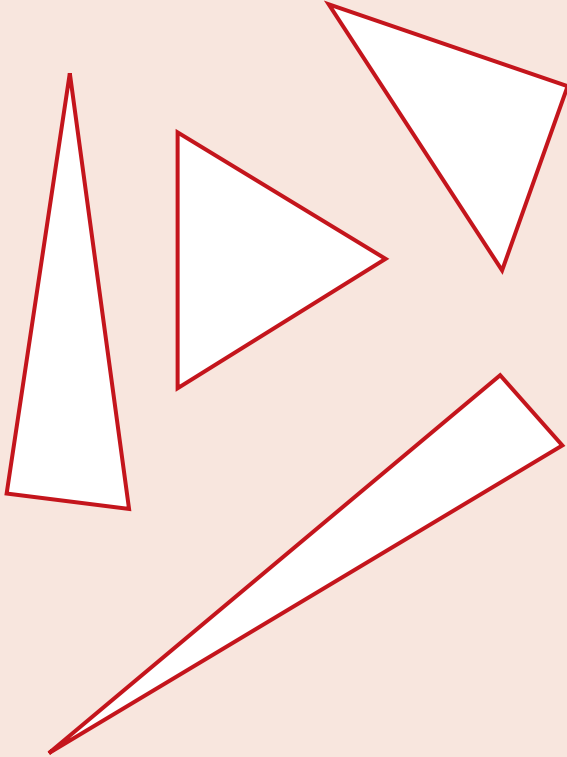# Fun Maths Puzzles

Level 1

What is it that makes all these shapes triangles?

Level 2

The windows have been formed by placing 16 small panes into arrays – one in the door and one above. How else might 16 panes have been arranged into an array?

Photo supplied by Mark Hennessey

Level 3

How much ribbon might be needed to tie this present if the box is a cube 20cm high?

Level 4

Here are three Russian matryoshka dolls numbered 2 – 4. Doll 4 fits inside doll 3 and doll 3 fits inside doll 2. What might be the heights of dolls 1 and 5?

2   3   4