Mathematics

Representing Ratio Lesson 1 of 4 Downloadable Resource

Miss Kidd-Rossiter



Try this

Antoni, Binh, Cala and Xavier are drawing rectangles.



Draw an example rectangle for each student.

How could you compare the rectangles they have drawn?



Connect





Connect





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Independent task

- 1. Side lengths of a triangle are in the ratio 3:5:2. What fraction of the perimeter is the longest side?
- 2. Side lengths of a triangle are in the ratio 3:5:2. What fraction of the longest side is the shortest side?
- 3. Side lengths of a triangle are in the ratio 3:5:2. What fraction of the shortest side is the longest side?



Independent task

 These side lengths of shape A and the side lengths of shape B are in the ratio 5 : 2.

Find the missing sides.

15





Independent task

5. Rectangles are drawn so that the ratio of their side lengths is 4 : 3. Copy and complete the table.

Longer side	Shorter side	Perimete
8 m		
	15 m	
10 m		
		56 m





Explore

Yasmin and Zaki each draw a triangle with an angle of 30°.

Can they draw triangles that meet the following conditions so that their side lengths are in the same ratio, but are not identical?

- 1. They are both right angled triangles.
- 2. They have the same area.
- 3. They have the same perimeter.

