## Representing Ratio Lesson 1 of 4 <br> 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

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

Find the missing sides.


## 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 | Perimeter |
| :--- | :--- | :--- |
| 8 m |  |  |
|  | 15 m |  |
| 10 m |  |  |
|  |  | 56 m |

## Explore

Yasmin and Zaki each draw a triangle with an angle of $30^{\circ}$. 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.
