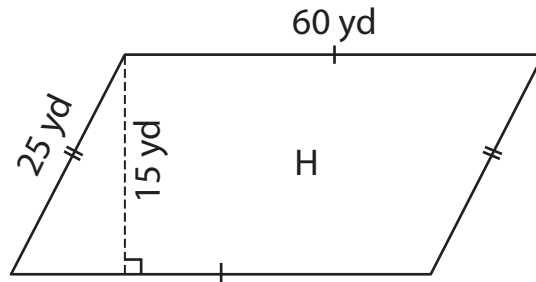
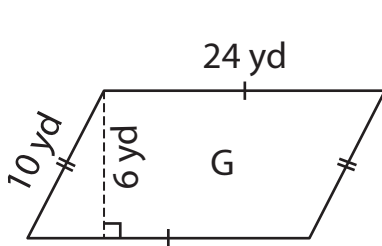


Name : \_\_\_\_\_

## Ratio of Perimeters and Areas

Sheet 3



1) What is the scale factor?

\_\_\_\_\_

2) Determine the ratio of perimeters.

\_\_\_\_\_

3) What is the ratio of areas?

\_\_\_\_\_

4) Find the areas of the two parallelograms.

\_\_\_\_\_

5) What is the ratio of areas?

\_\_\_\_\_

6) Express the relationship between scale factor and the ratio of perimeters.

\_\_\_\_\_

7) What is the relation between scale factor and the ratio of areas?

\_\_\_\_\_

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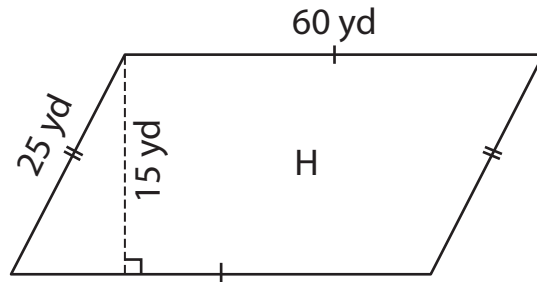
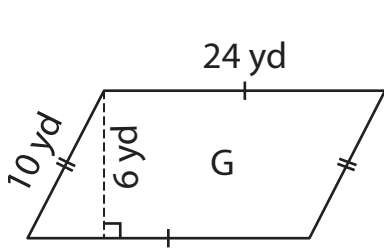
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## Answer key

### Ratio of Perimeters and Areas

Sheet 3



1) What is the scale factor?

\_\_\_\_\_

2) Determine the ratio of perimeters.

\_\_\_\_\_

3) What is the ratio of areas?

\_\_\_\_\_

4) Find the areas of the two parallelograms.

\_\_\_\_\_

5) What is the ratio of areas?

\_\_\_\_\_

6) Express the relationship between scale factor and the ratio of perimeters.

**Ratio of perimeters = 2 : 5 = scale factor**

\_\_\_\_\_

7) What is the relation between scale factor and the ratio of areas?

**Ratio of areas = 4 : 25 = 2<sup>2</sup> : 5<sup>2</sup> = (scale factor)<sup>2</sup>**

\_\_\_\_\_

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