

a Which rectangle is similar to a 2 by 3 rectangle: 4 by 5, 4 by 6 or 5 by 6? <i>4 by 6</i> similar means multiply, not add	b Find the scale factor, small to large <i>3</i> the scale factor	c Find the length x <i>6</i> a length on the larger shape	d Find the length y <i>3</i> a length on the smaller shape
e Find the length x <i>9</i> a scale factor that is not whole	f Find the length x <i>8</i> matching sides when one is turned	g Find angle x <i>40°</i> angles stay the same	h Enlarge a shape with perimeter 12 cm by scale factor 3. Find its perimeter. <i>36 cm</i> the perimeter scales the same way
i Sides are in the ratio 2 : 5. The small side is 6 cm. Find the large side. <i>15 cm</i> lengths in ratio notation	j Find the length x <i>12</i> one triangle inside another	k Find the length x <i>4</i> a missing part of a side	l Find the length x <i>5</i> lengths in similar solids

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