Similar Triangles, Finding Missing Measures
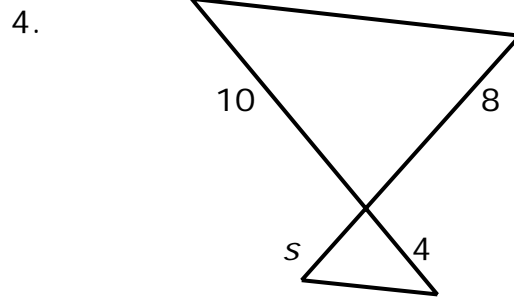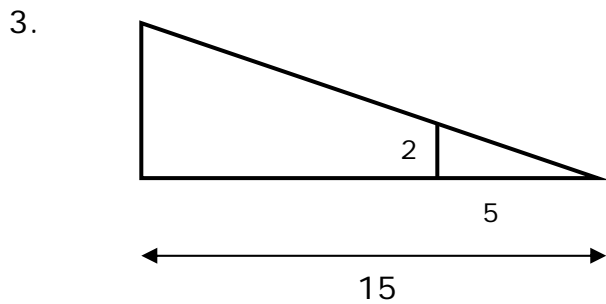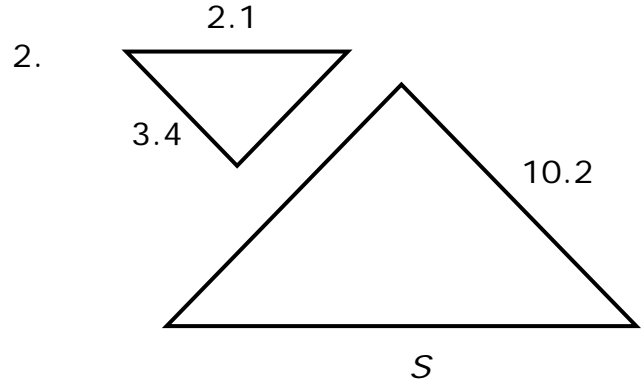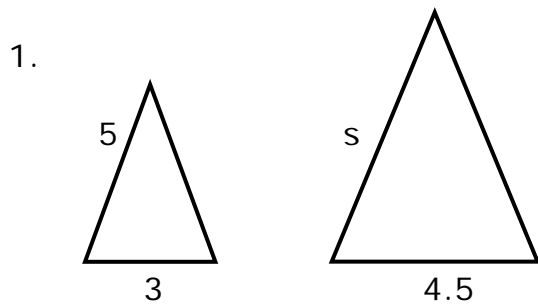
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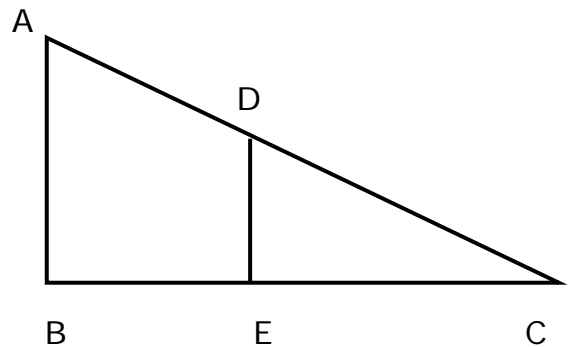
Use a proportion to find the length of segment *s* in each similar pair.

1.

5

3

s

4.5

2.

2.1

3.4

10.2

S

3.

2

5

15

4.

10

8

S

4

For the following problems, use decimeters on a ruler to measure.

5. These triangles are similar. Measure segment AB. Measure segment DE. Write the ratio of AB/DE. Measure segment BC. Set up a proportion to find the length of segment EC.

A

D

B   E   C

6. These two triangles are similar.   Measure segment FH. Measure segment IJ. Write the ratio of FH/IJ. Measure segment GJ. Set up a proportion to find the length of segment FG.

F

I

G

H   J