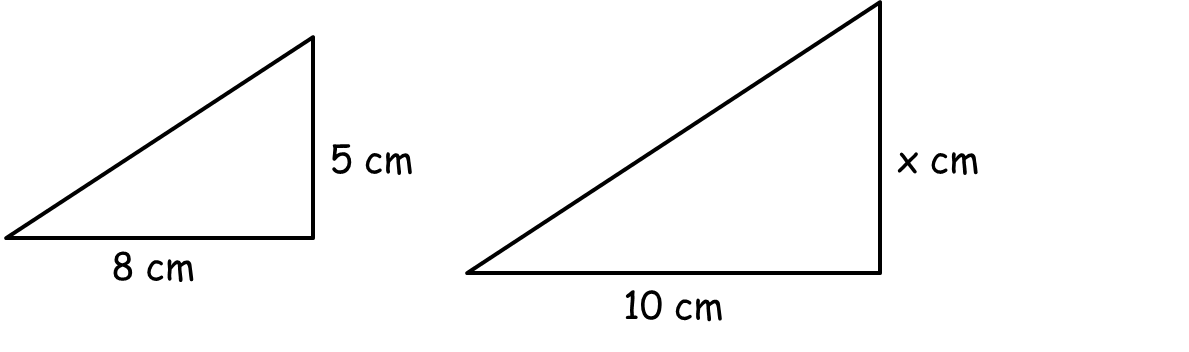
**Similar Shapes GREEN**

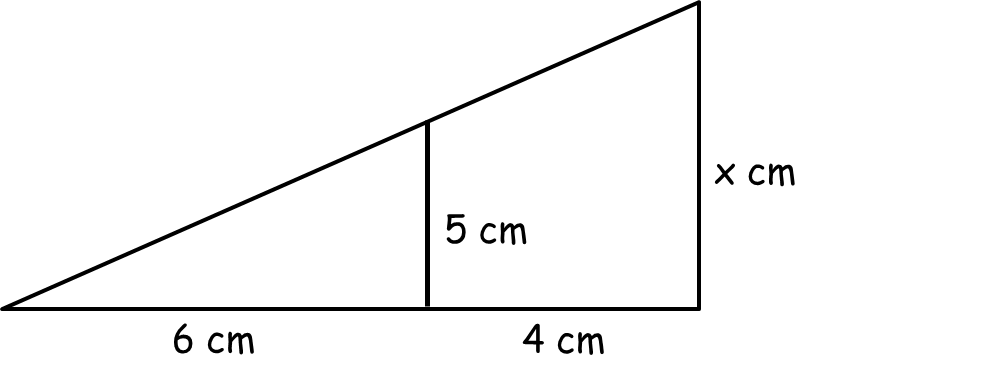
All the shapes below are mathematically similar. Use ratio to calculate the missing lengths for each pair of shapes.

1)

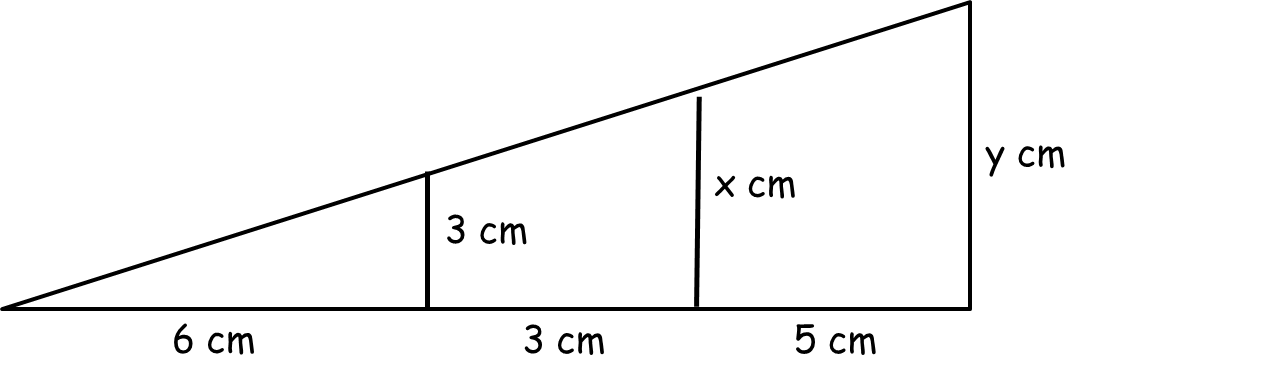
x = \_\_\_\_\_\_\_\_\_

2)

x = \_\_\_\_\_\_\_\_\_

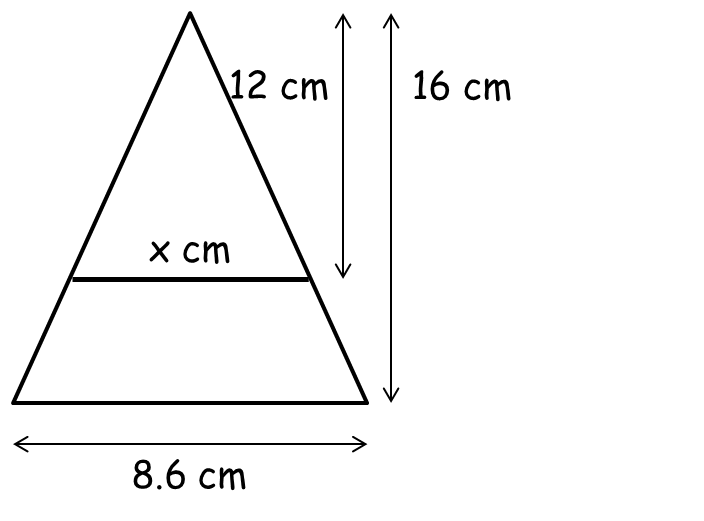
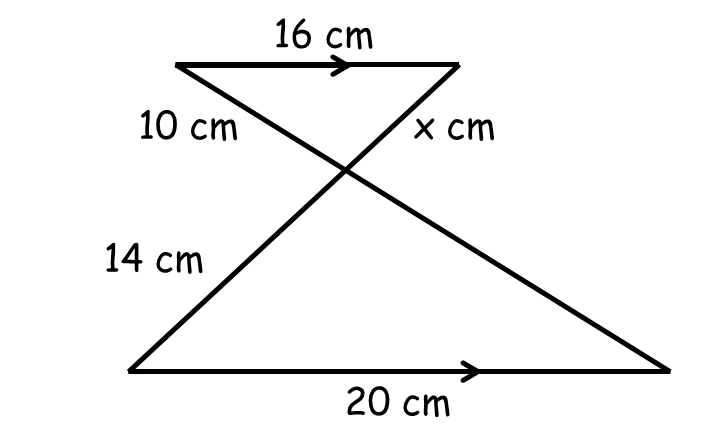
3)

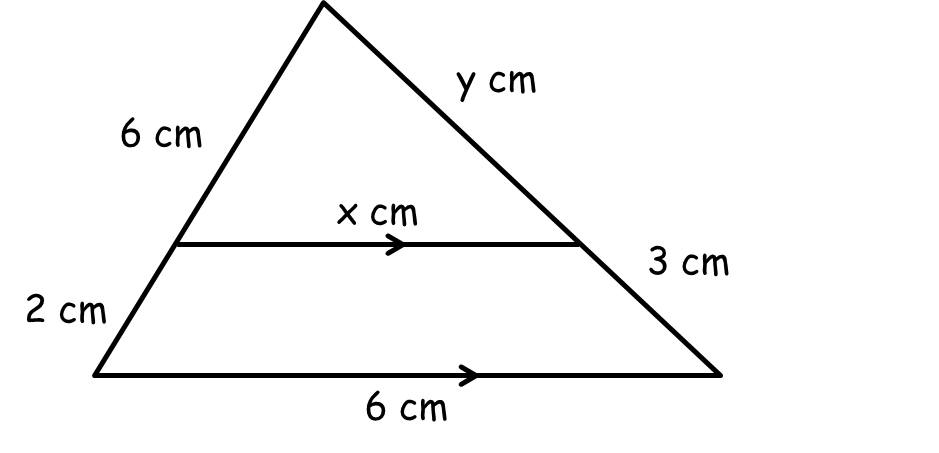
x = \_\_\_\_\_\_\_\_\_

4)

x = \_\_\_\_\_\_\_\_\_

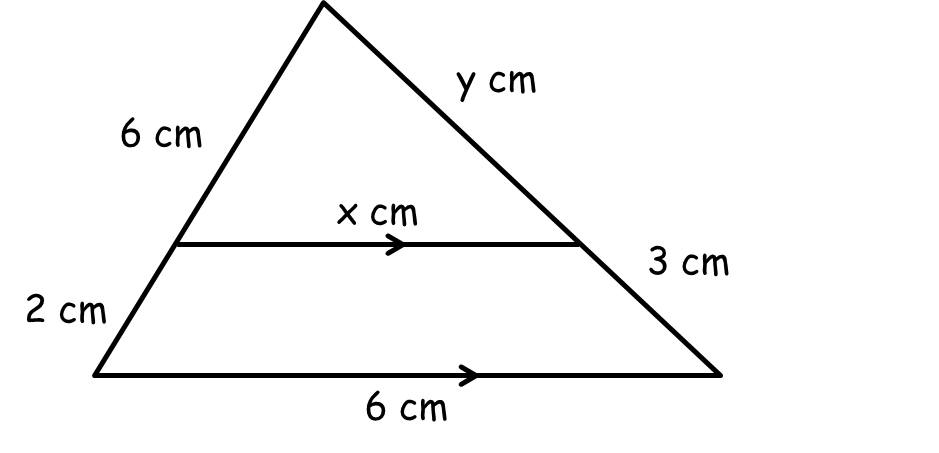
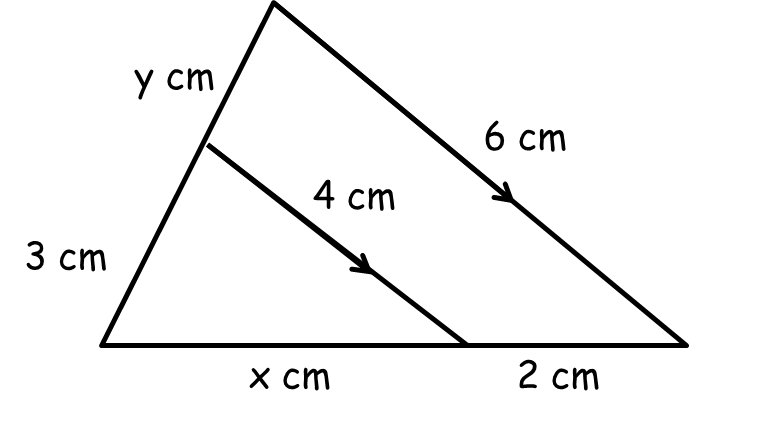
y = \_\_\_\_\_\_\_\_\_

5) 6)



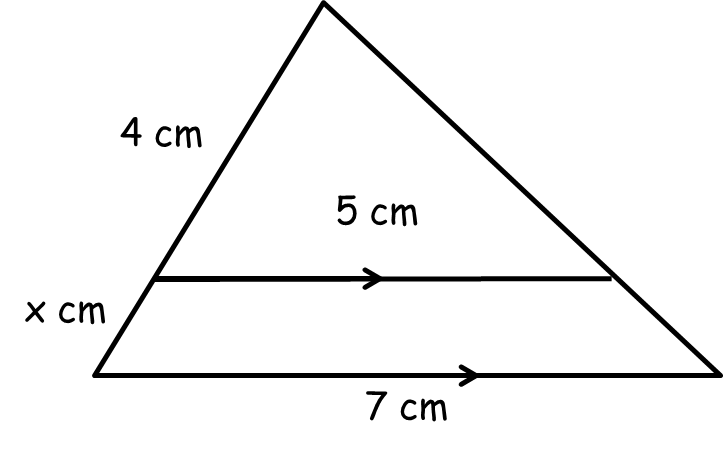
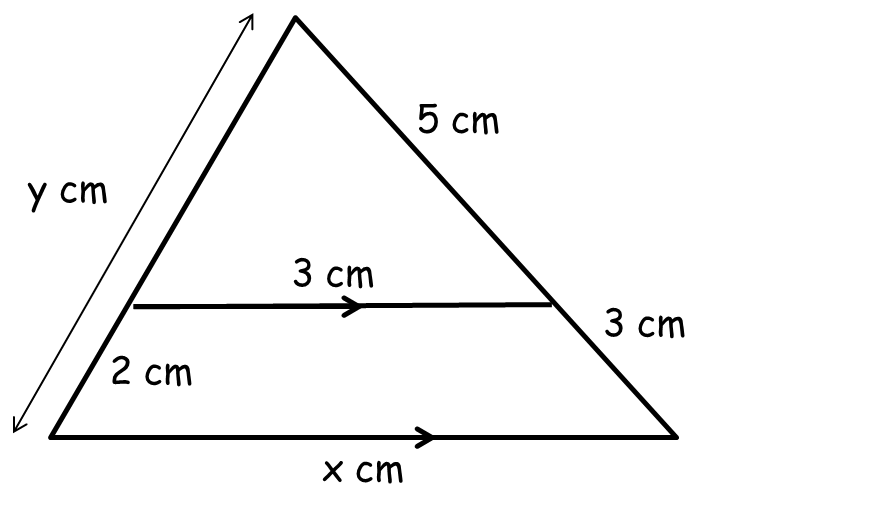
x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

7) 8)

x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_ y = \_\_\_\_\_\_\_\_\_

9) 10)

x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_

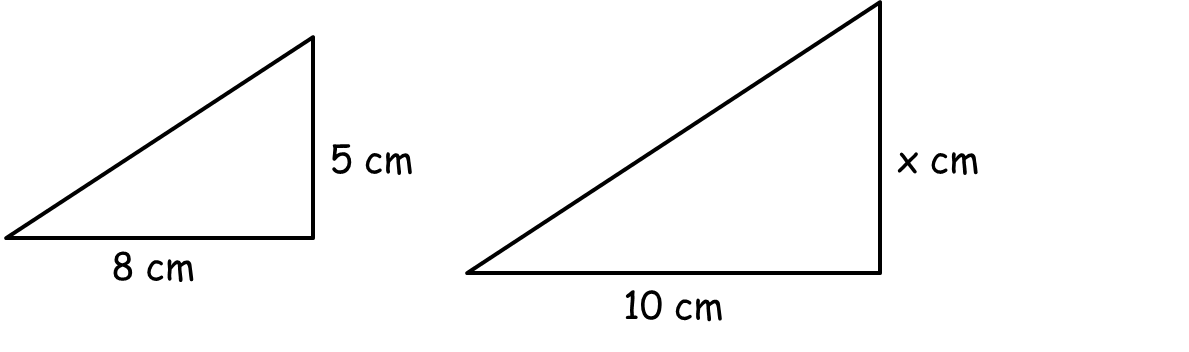
**Similar Shapes AMBER**

The sides used to calculate the ratio are circled.

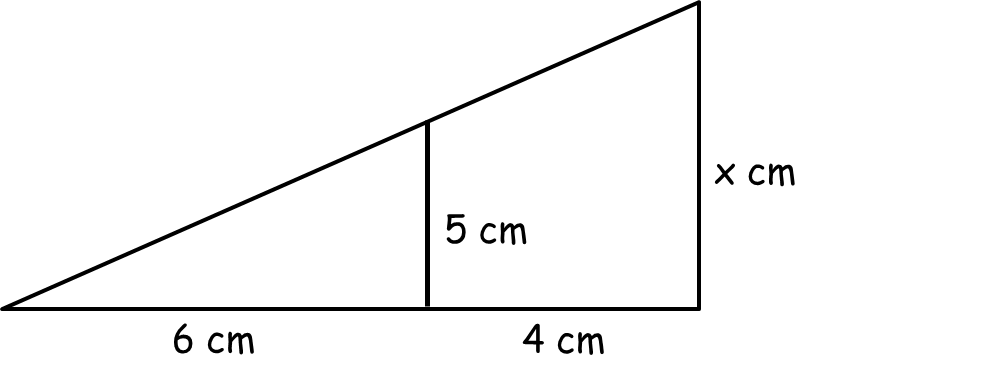
All the shapes below are mathematically similar. Use ratio to calculate the missing lengths for each pair of shapes.

1)

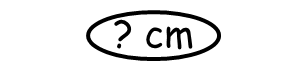
x = \_\_\_\_\_\_\_\_\_

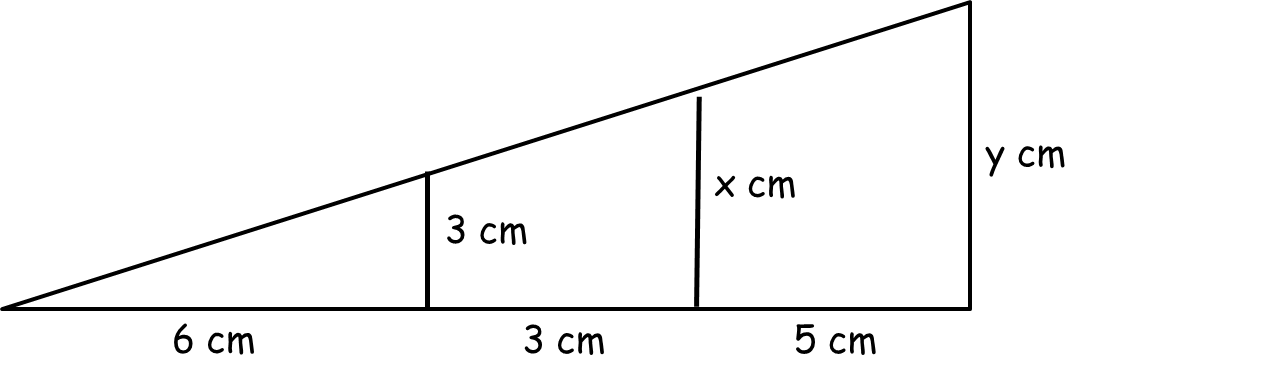
2)

x = \_\_\_\_\_\_\_\_\_

3)

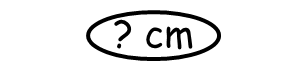
x = \_\_\_\_\_\_\_\_\_

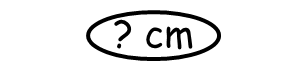


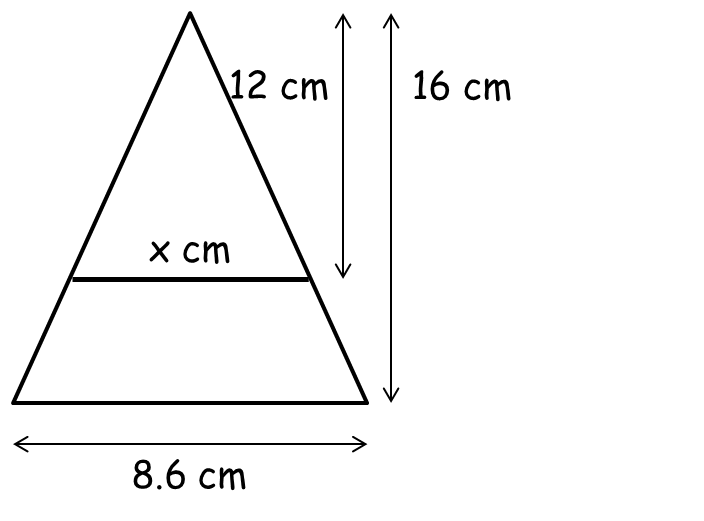
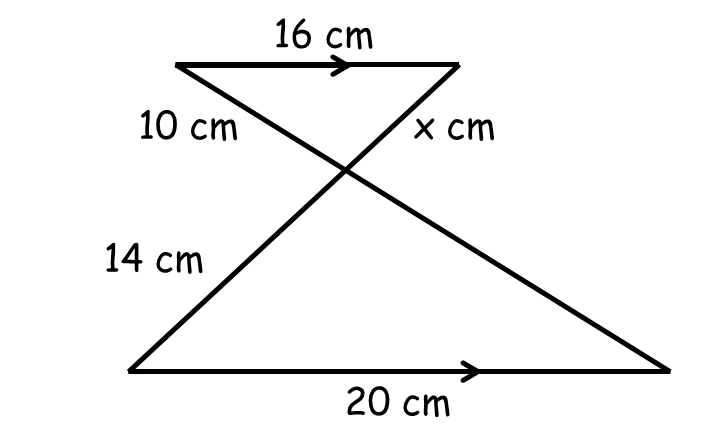
4)

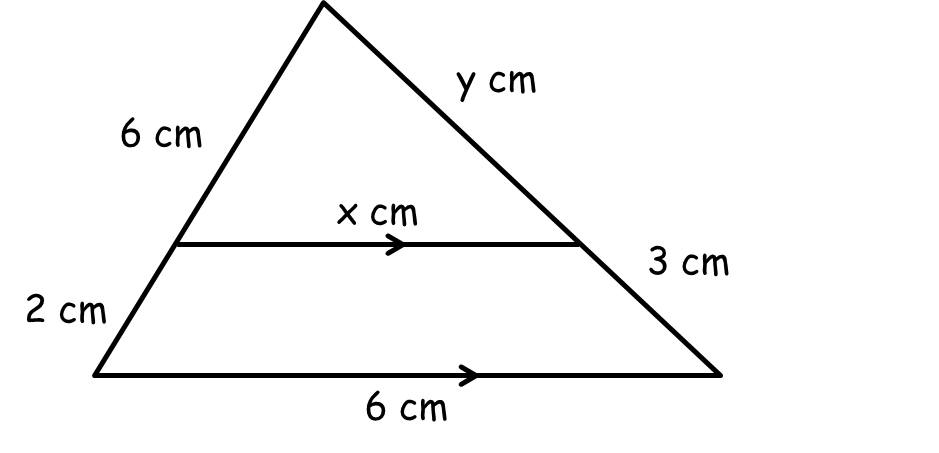
x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_



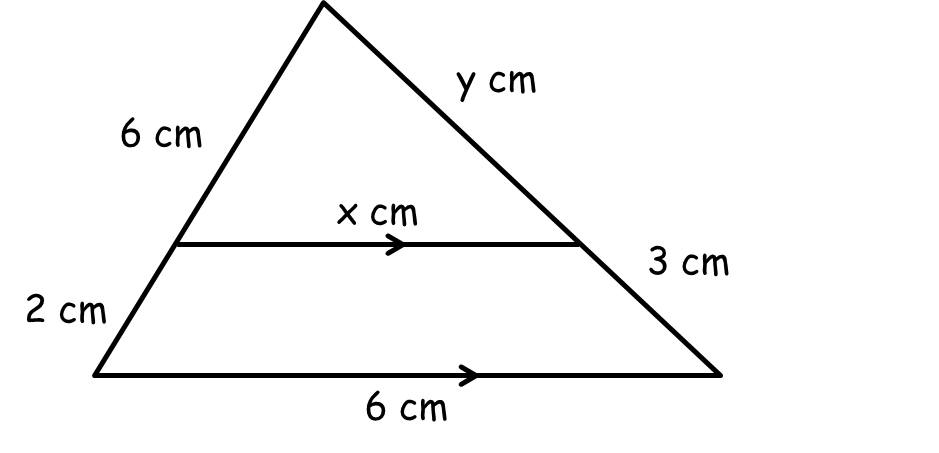
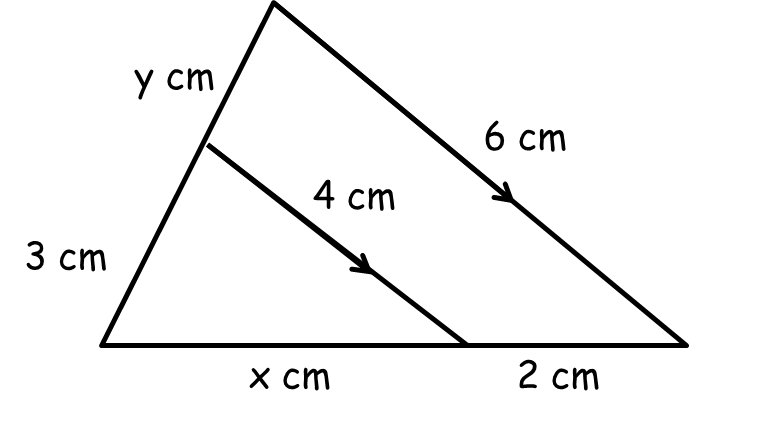


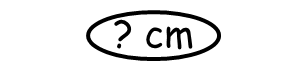
5) 6)



x = \_\_\_\_\_\_\_\_\_

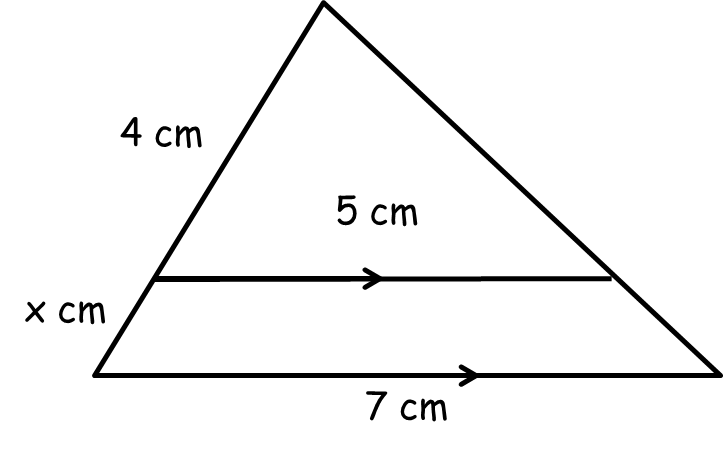
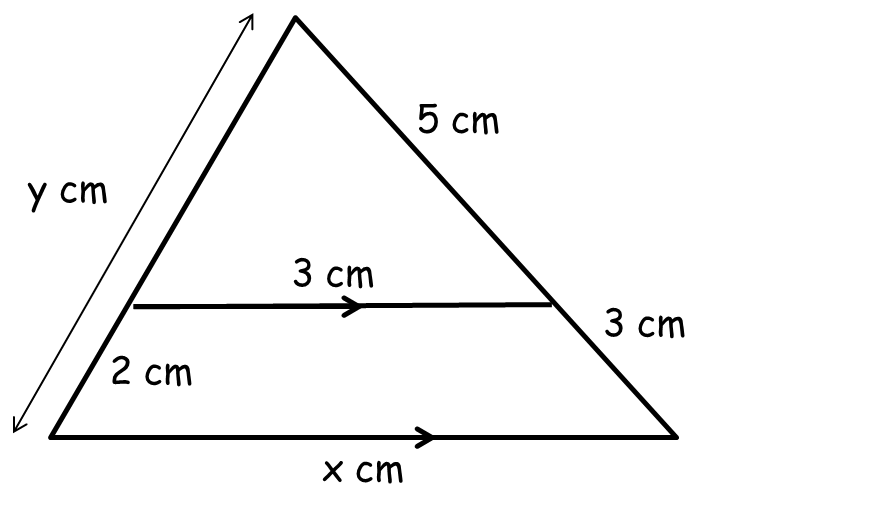
y = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

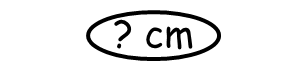
7) 8)



x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_ y = \_\_\_\_\_\_\_\_\_

9) 10)



x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_

**Similar Shapes RED**

The sides used to calculate the ratio are circled.

All the shapes below are mathematically similar. Use ratio to calculate the missing lengths for each pair of shapes.

4 : 5 = 1 : \_\_\_\_\_

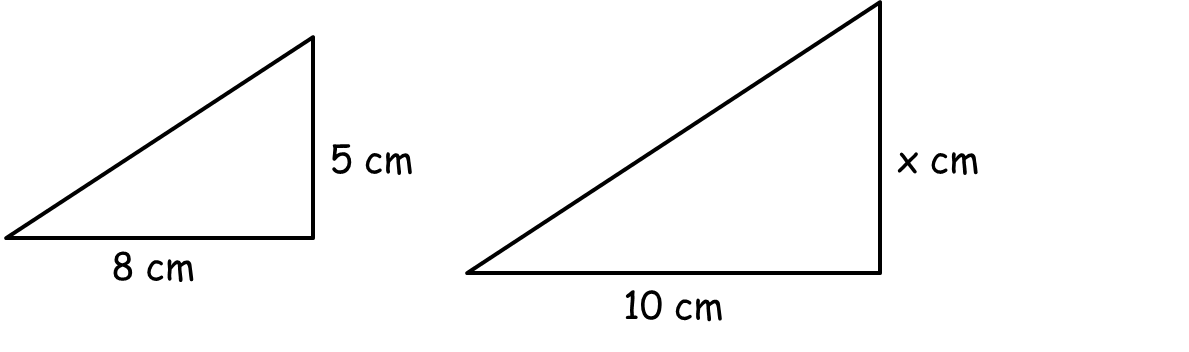
6 x \_\_\_\_\_ = \_\_\_\_\_

1)

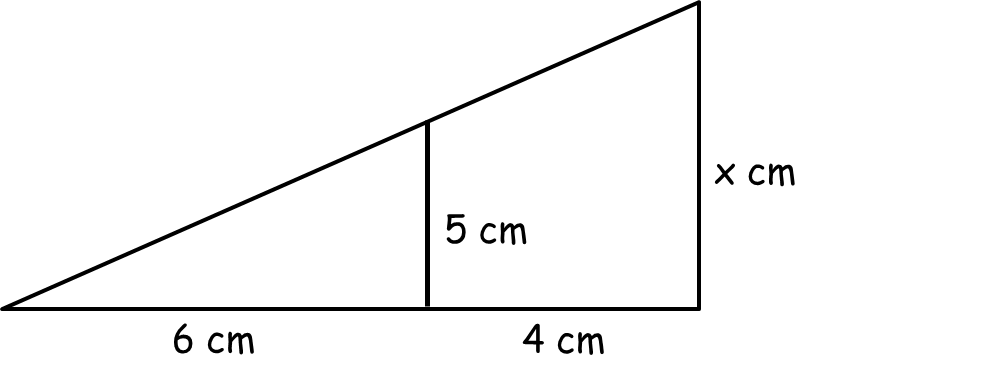
x = \_\_\_\_\_\_\_\_\_

8 : 10 = 1 : \_\_\_\_\_

5 x \_\_\_\_\_ = \_\_\_\_\_

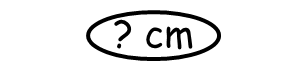
2)

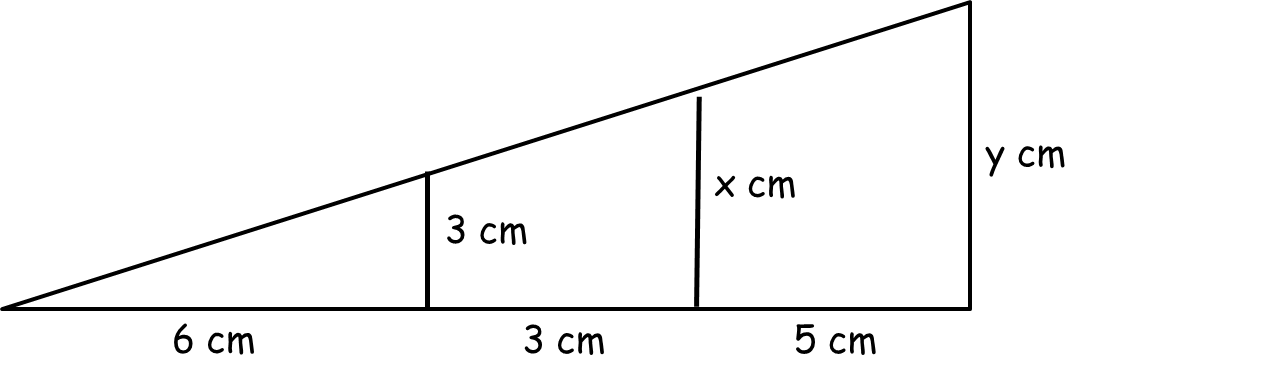
x = \_\_\_\_\_\_\_\_\_

3)

6 : \_\_\_\_ = 1 : \_\_\_\_\_

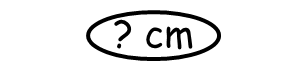
x = \_\_\_\_\_\_\_\_\_

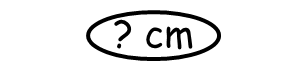


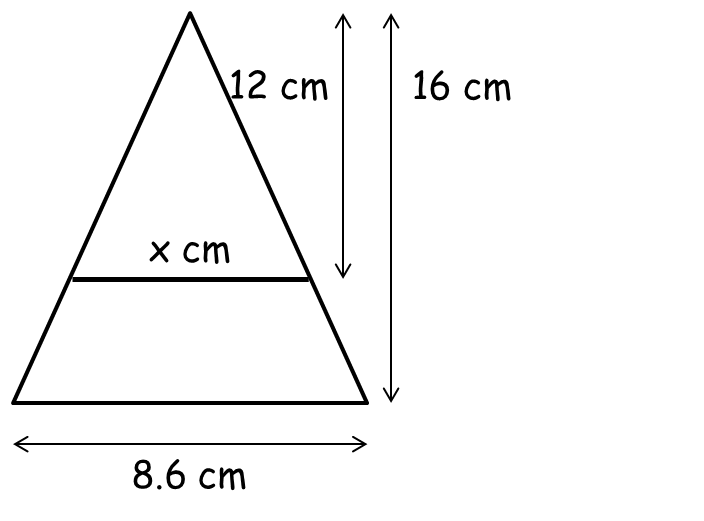
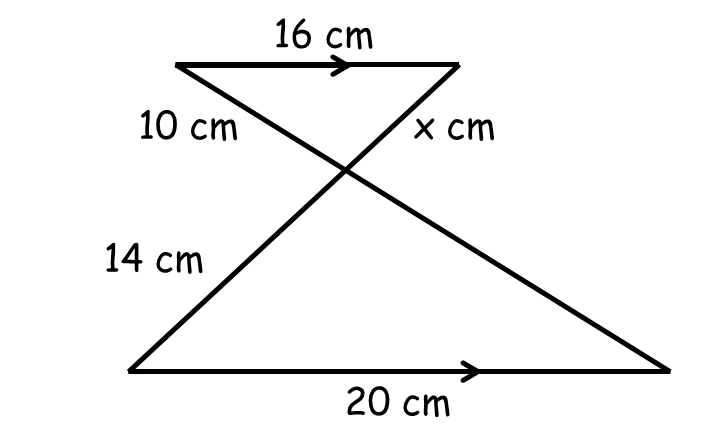
4)

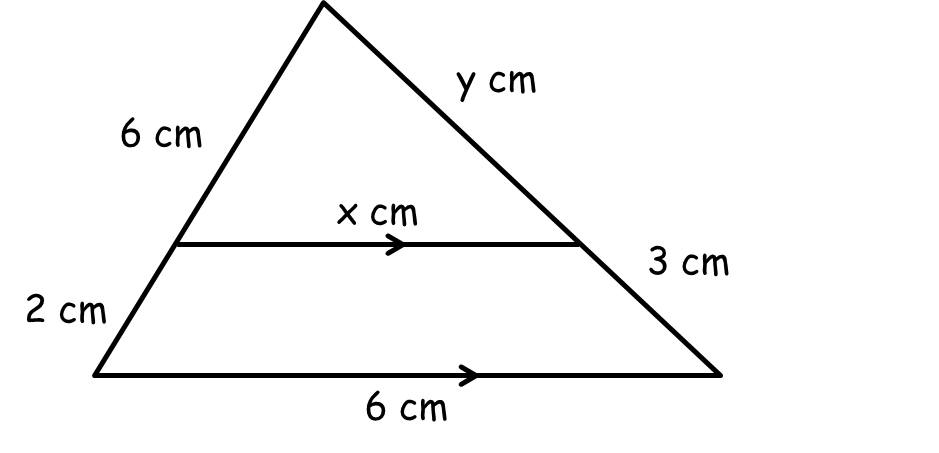
x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_



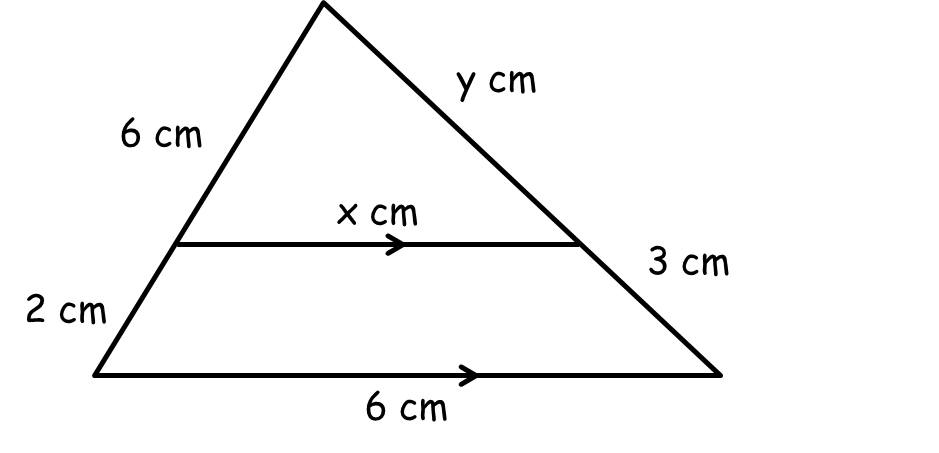
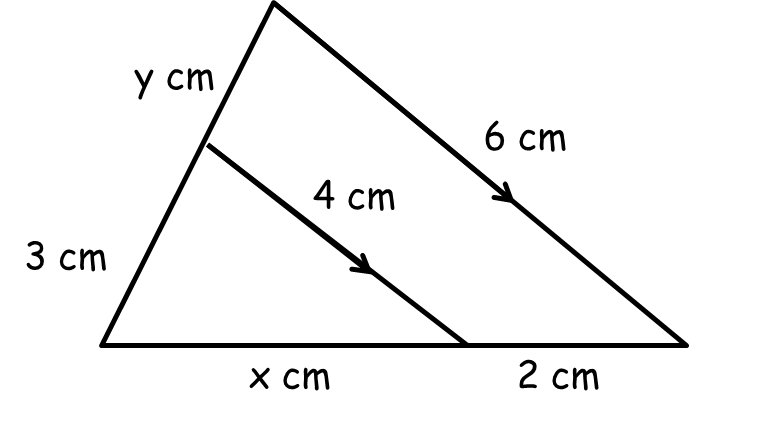


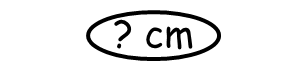
5) 6)



x = \_\_\_\_\_\_\_\_\_

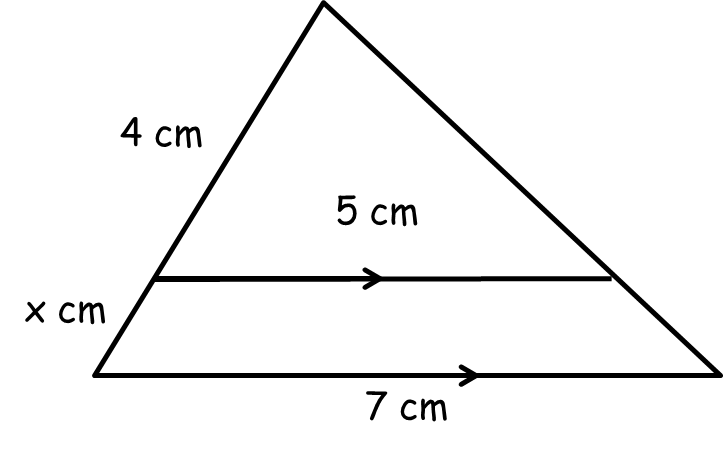
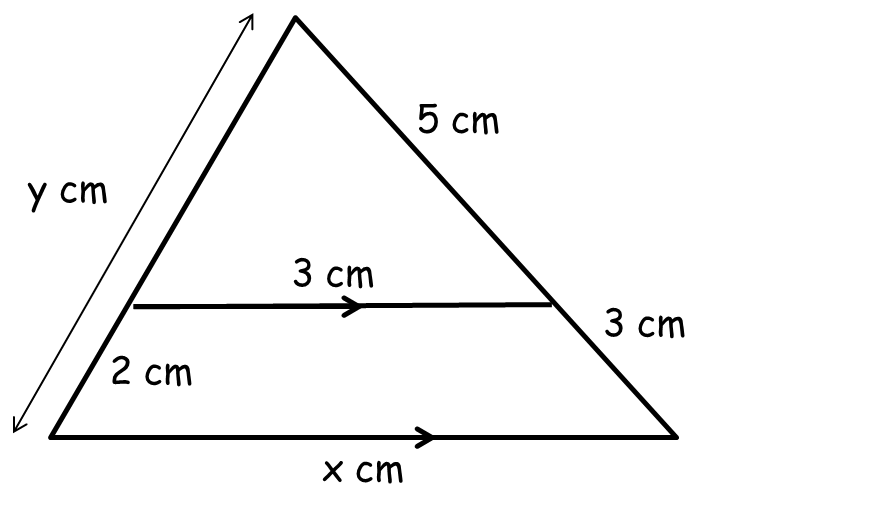
y = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

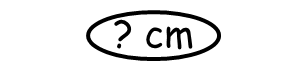
7) 8)



x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_ y = \_\_\_\_\_\_\_\_\_

9) 10)



x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_