

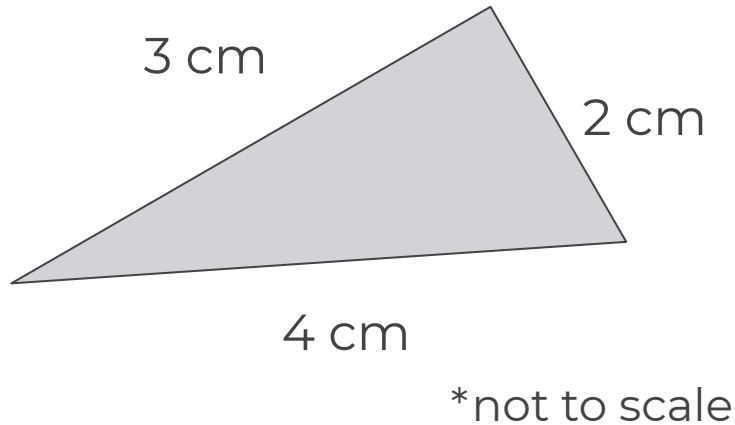
# Solve problems involving scale factor in shapes.

Mathematics

Miss Parsons



## Question 1



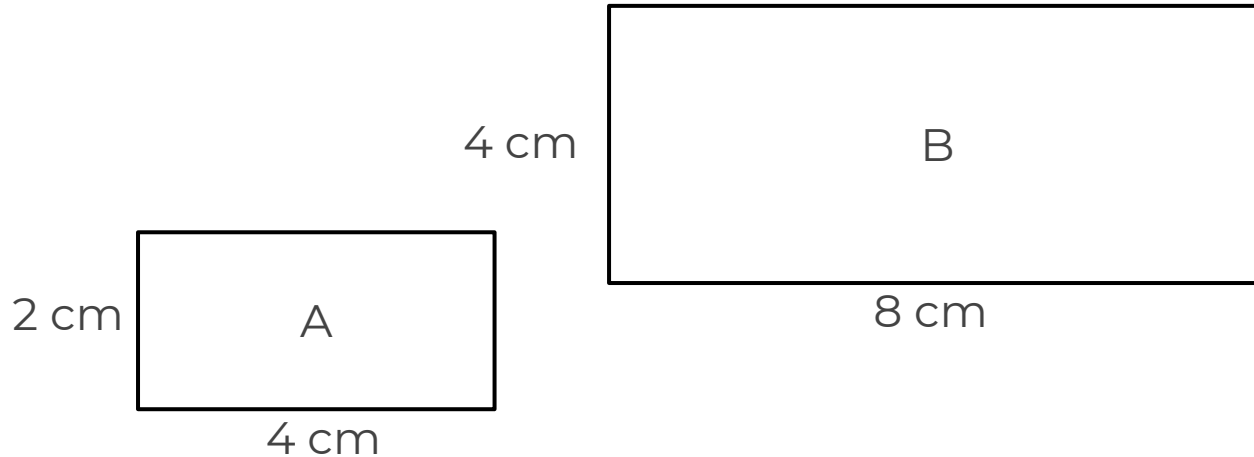
What will the dimensions of the triangle be if its enlarged by scale factor 5?



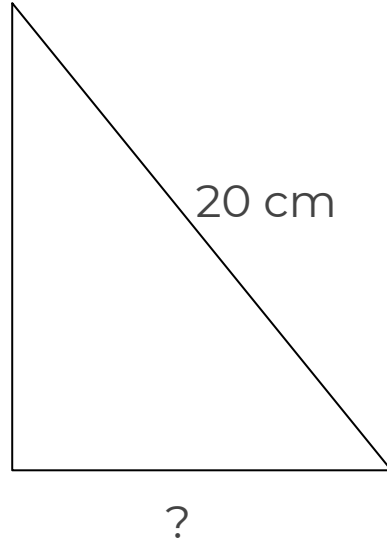
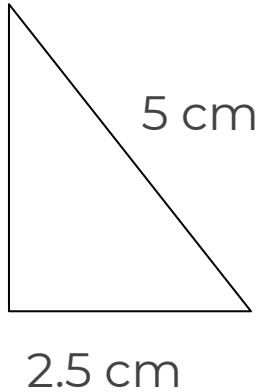
## Question 2

Rectangle B is an enlargement of rectangle A.

What is the scale factor of the enlargement?



### Question 3

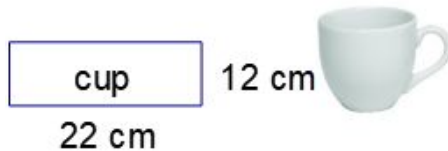
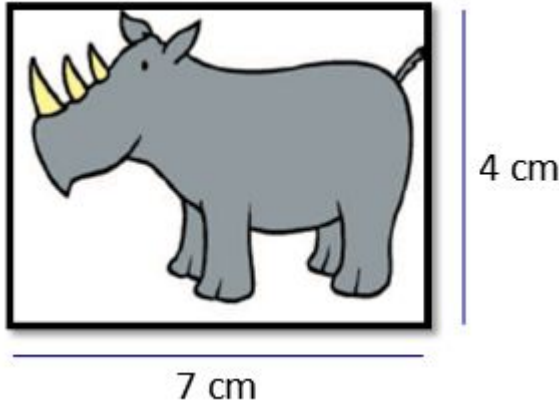


Find the missing dimension on the enlarged triangle.

What is the scale factor of the enlargement?



### Question 4



Kyra has drawn a rhinoceros.

It is 4 cm tall and 7 cm long.

She decides to use her design on different items such as posters, bags and cups. She wants to enlarge the rhinoceros so that it just fits inside the space available on each item.

By what scale factor will Kyra have to enlarge by so that the rhinoceros just fits on these items?  
How close can you get?

