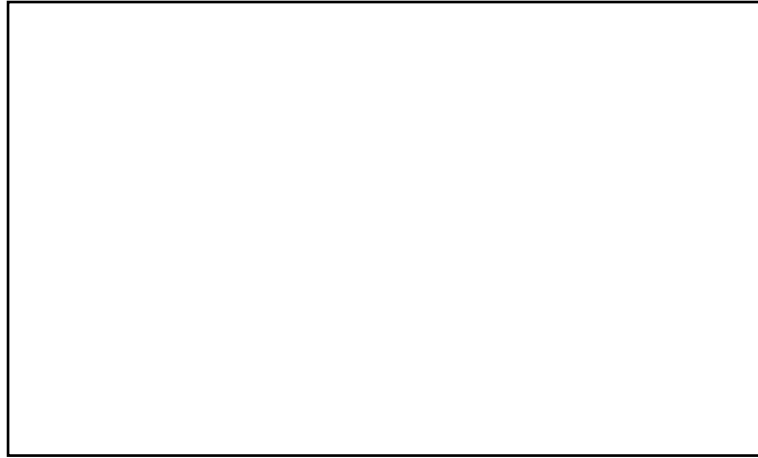# Exemple 4b

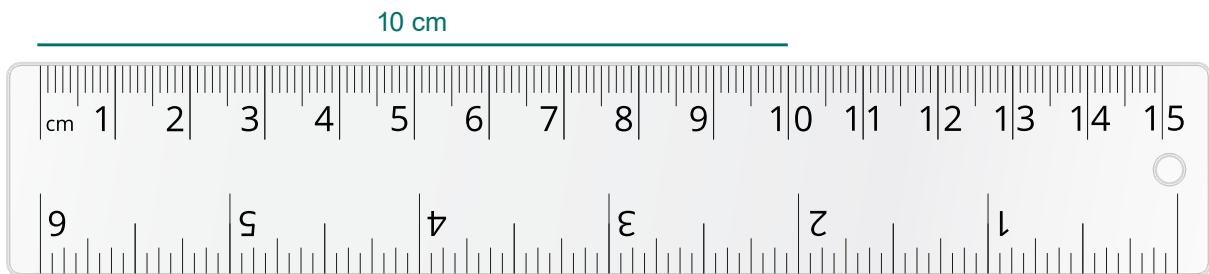## b) Construct a rectangle congruent to this one.

I know that the rectangle has 4 angles of 90° or 4 right angles. I measure the sides of the rectangle. The base measures 10 cm and the height is 6 cm.
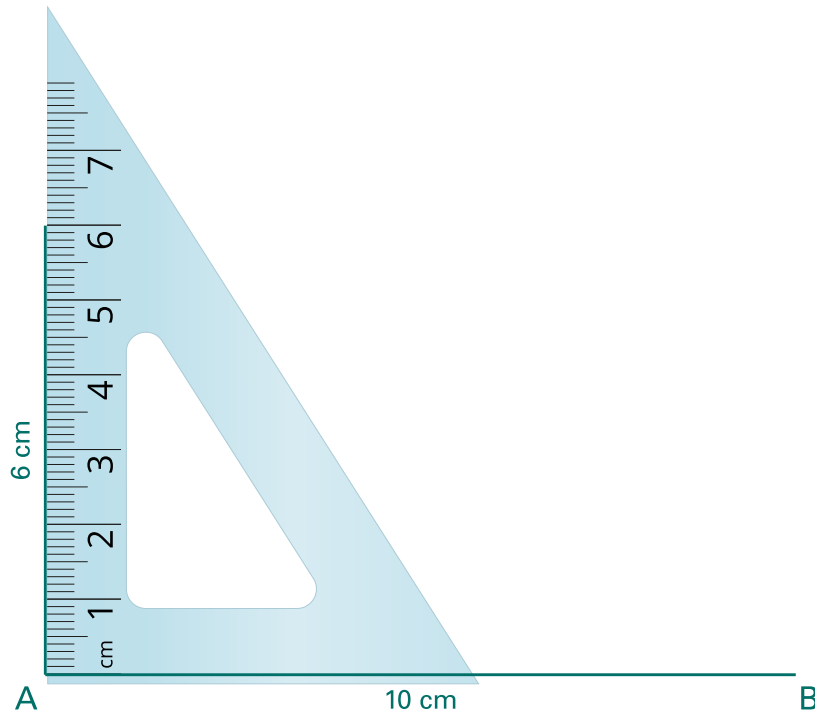
To build my rectangle, I use a ruler and a set square.

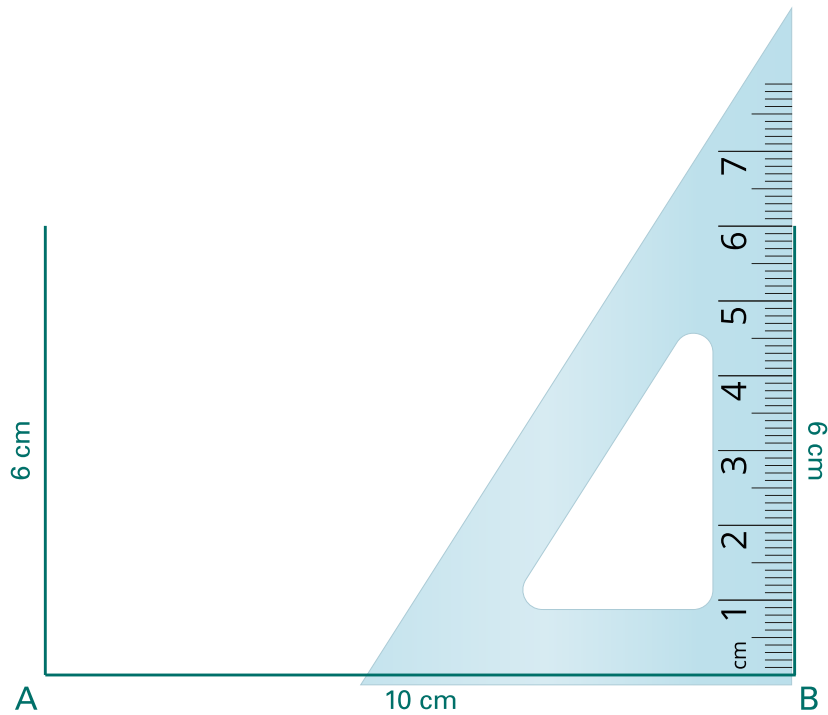Here are the steps I need to follow to construct my rectangle:

1. Using a ruler, I draw a 10 cm segment (segment AB), which is the measurement of the rectangle's base.

10 cm

2. I place the set square at point A and draw a 6 cm segment, perpendicular to the base.

3. I place the set square at point B and draw a 6 cm segment, perpendicular to the base.

Using a ruler, I draw a segment to connect the two 6 cm segments to form a rectangle. This rectangle is congruent with the rectangle from the beginning since their angles and sides are congruent.

I can also superimpose this rectangle on the original one.

10 cm

6 cm

6 cm

A

10 cm

B