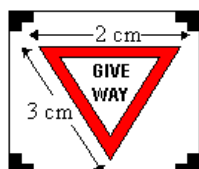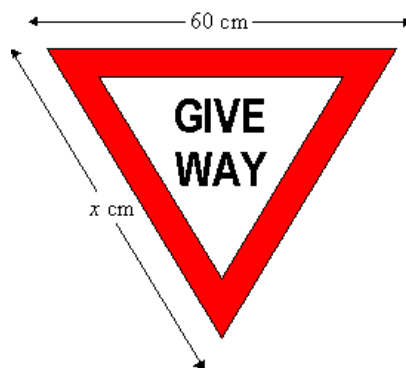# Enlarging road signs

This task is about scale factors and enlargement.

a) In the photograph of the GIVE WAY sign, the length of one side is 2 cm. The length of that same side on the actual street sign is 60 cm.
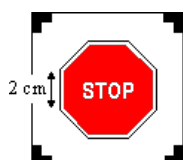

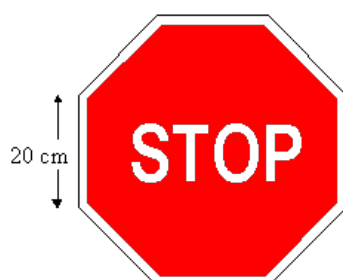**Photograph measurements**

Actual street sign measurements

[Not drawn to scale]

i) What is the scale factor for this enlargement? ☐

ii) The length of another side of the sign in the photograph is 3 cm.

What would be the length of this same side on the actual street sign? $x =$ ☐ cm.

b) In the photograph of the STOP sign, the length of one side of the sign is 2 cm. The length of that same side on the actual street sign is 20 cm.

Photograph measurements

Actual street sign measurements

[Not drawn to scale]

i) What is the scale factor for this enlargement? ☐

ii) The area of the actual street sign is 2000 cm^2

What do you need to divide this number by to get the area of the street sign in the photograph?

☐ cm.