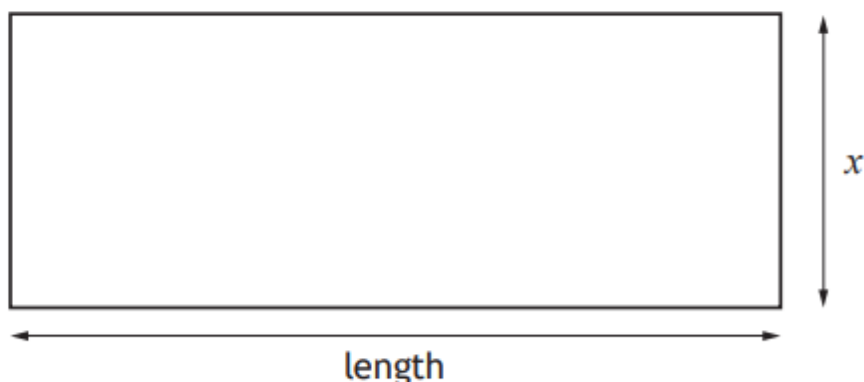The diagram shows a rectangle with breadth x centimetres.

length

The length of the rectangle is 5 centimetres more than its breadth.

(a) Write down an expression for its length in terms of x.   **1**

The rectangle has an area of 20 square centimetres.

(b) Show that $x^2 + 5x - 20 = 0$.   **2**

(c) Calculate x, the breadth of the rectangle.

Give your answer correct to one decimal place.   **4**

Answers:

(a) $x+5$

(b)   Equate to area and rearrange into required form

(c)   2.6 cm