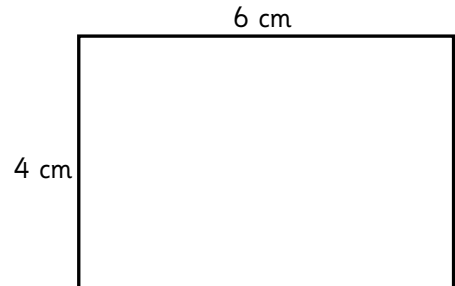
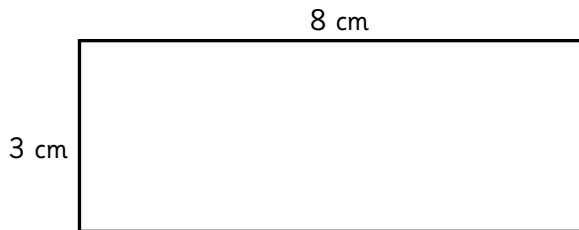


Tricky areas of rectangles

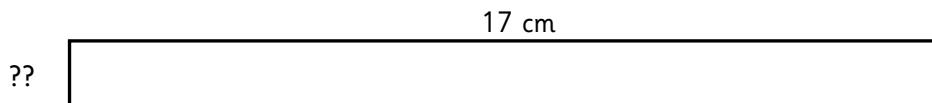
Maths worksheets from mathsblog.co.uk



Here are two drawings of rectangles (not to scale). They both have an area of 24 square cm.



Here is another drawing of a rectangle (not to scale). This has an area of 24 square cm as well. But the length is 17 cm. Using only multiplication on your calculator, can you find the width of the rectangle? I'll help by starting you off.



1 st try	$17 \times 2 = 34$	too big
2 nd try	$17 \times 1.5 = 25.5$	too big
3 rd try	$17 \times 1.3 = 22.1$	too small
4 th try	$17 \times 1.4 = 23.8$	too small
5 th try	$17 \times 1.45 = 24.65$	too big (but closer)

Carry on to see how close you can get in 4 more goes

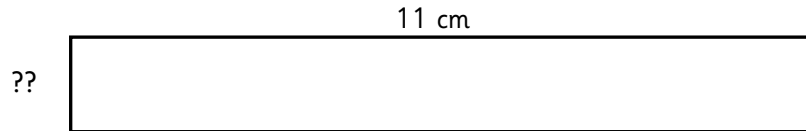
6 th try	$17 \times$	<input type="text"/>	$=$	<input type="text"/>	too	<input type="text"/>
7 th try	$17 \times$	<input type="text"/>	$=$	<input type="text"/>	too	<input type="text"/>
8 th try	$17 \times$	<input type="text"/>	$=$	<input type="text"/>	too	<input type="text"/>
9 th try	$17 \times$	<input type="text"/>	$=$	<input type="text"/>	too	<input type="text"/>

Tricky areas of rectangles

Maths worksheets from mathsblog.co.uk



This rectangle (not drawn to scale) also has an area of 24 sq cm.
Try to find the width by only using multiplication on your calculator. Complete the table below with your tries.



1 st try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
2 nd try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
3 rd try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
4 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
5 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
6 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
7 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
8 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
9 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>
10 th try	11 x	<input type="text"/>	=	<input type="text"/>	too	<input type="text"/>



How close did you get? Find the difference between your final try and 24 cm.

Final difference: