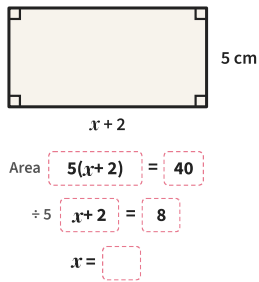


Area and linear equations

1

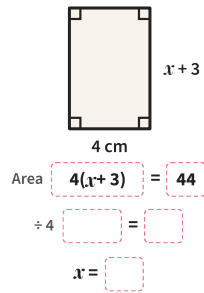
The area of this rectangle is 40 cm^2 . Find x .



Answer _____

2

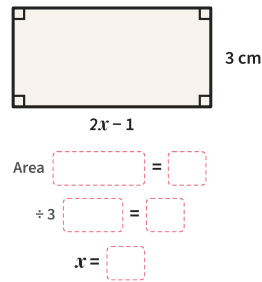
The area of this rectangle is 44 cm^2 . Find x .



Answer _____

3

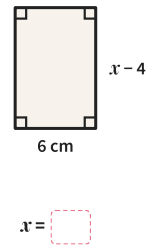
The area of this rectangle is 27 cm^2 . Find x .



Answer _____

4

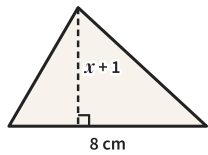
The area of this rectangle is 30 cm^2 . Find x .



Answer _____

5

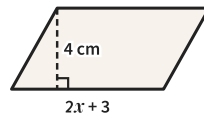
The area of this triangle is 28 cm^2 . Find x .



Answer _____

6

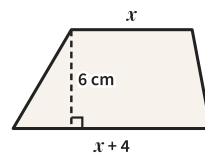
The area of this parallelogram is 44 cm^2 . Find the length of its base.



Answer _____

7

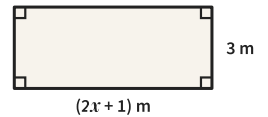
The area of this trapezium is 54 cm^2 . Find x .



Answer _____

8

A rectangular patio is 3 m wide and $(2x+1)$ m long. Its area is 33 m^2 . How long is the patio?

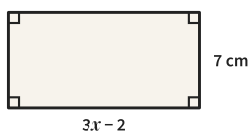


Answer _____

Area and linear equations *further practice*

9

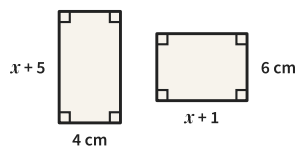
The area of this rectangle is 49 cm^2 . Find x .



Answer _____

10

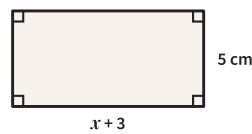
These two rectangles have the same area. Find x .



Answer _____

11

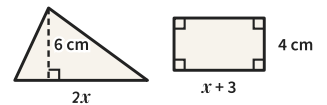
The perimeter of this rectangle is 30 cm. Find its area.



Answer _____

12

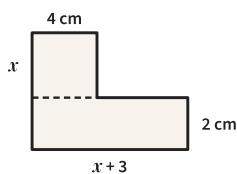
The triangle and the rectangle have the same area. Find x .



Answer _____

13

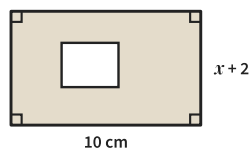
This shape is made from two rectangles. Its area is 42 cm^2 . Find x .



Answer _____

14

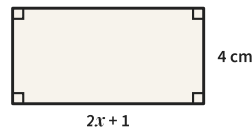
A 3 cm by 4 cm rectangle is cut out of this rectangle. The shaded area left is 58 cm^2 . Find x .



Answer _____

15

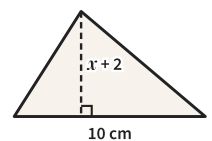
The area of this rectangle is 30 cm^2 . Find x . Give your answer as a decimal.



Answer _____

16

The area of this triangle is 40 cm^2 . Priya says $x = 2$. Is she right? Explain.



Answer _____