

## Deepening Understanding

### Area and Perimeter of Rectangles



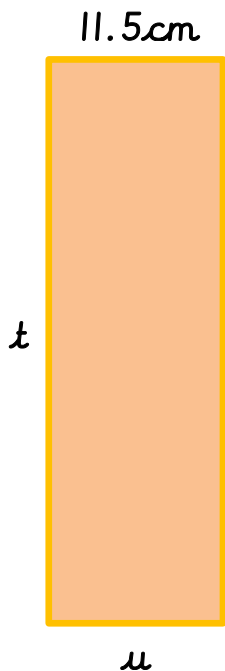
8cm

The area of this rectangle is  $96\text{cm}^2$

$$8\text{cm} \times c = \text{area}$$

Can you find the value of  $c$ ?

Can you prove why your value is correct?



11.5cm

$t$

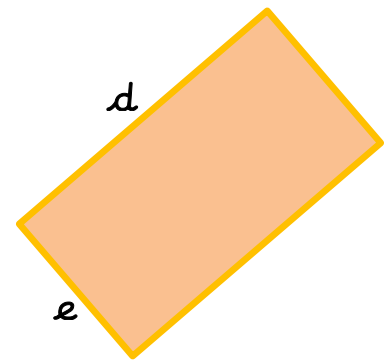
$u$

The perimeter of this rectangle is 112cm

$$\text{perimeter} = 2t + 2u$$

Can you find the values of  $t$  and  $u$ ?

Fully explain how you found the values.

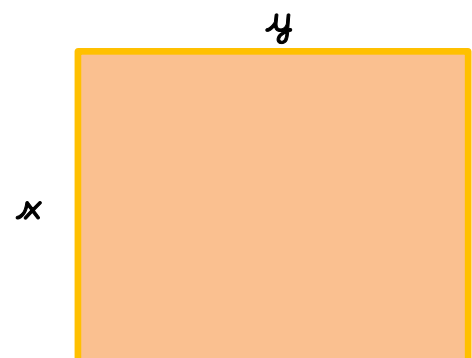


The area of a rectangle is  $132\text{cm}^2$

$$\text{area} = d \times e$$

Can you suggest values for  $d$  and  $e$ ?

How many different values can you find?



$x$

$y$

The perimeter of a rectangle is 165cm

$$2x + 2y = \text{perimeter}$$

Can you suggest values for  $x$  and  $y$ ?

Is it possible to find more values for  $x$  and  $y$ ?

