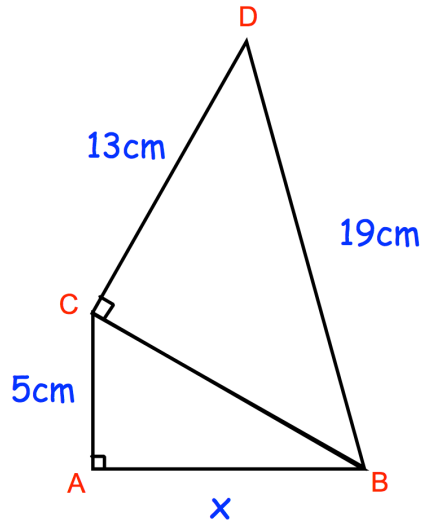




ABC and BCD are right angle triangles.  
Find the length of AB



Work out

$$(2.5 \times 10^5) \div (5 \times 10^{-4})$$

A circle has an area of  $500\text{cm}^2$  to the nearest  $10\text{cm}^2$ .

Work out the lower bound of the radius

The value of a caravan is given by

$$v = 26000 \times 0.93^n$$

where  $v$  is the value of the caravan in pounds and  $n$  is the number of years after it was bought.

How much was the caravan when it was brand new?

Nick says the value of the caravan is decreasing by 93% each year.  
Explain why he is wrong.

How many years will it take the caravan to be worth less than 25% of its original value?