

15th June

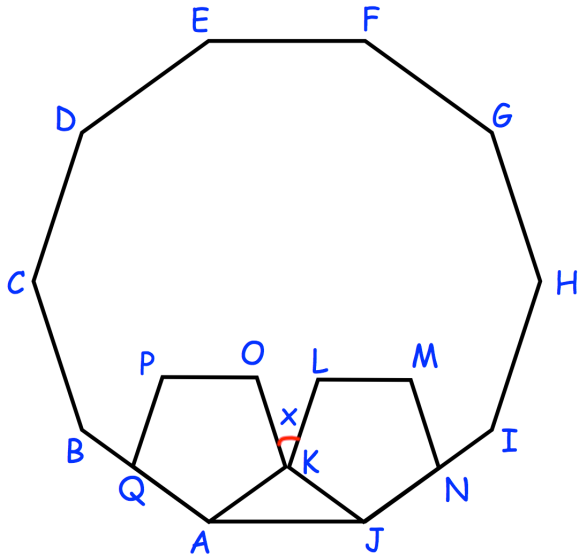


Corbettmaths

$n$  is an integer.

$$-2 < n \leq 4$$

List the possible values of  $n$ .



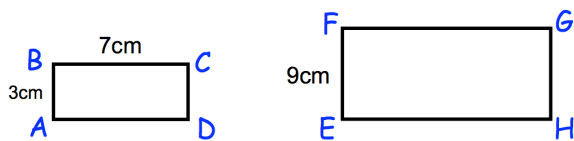
ABCDEFGHIJ is a regular decagon  
JKLMN and AQPOK are congruent,  
regular pentagons.

Find  $x$ .

There are 45 cards in a pack.  
Each card is red or yellow.  
The ratio of the number of red cards  
to yellow cards is 1:2  
10 yellow cards are removed from  
the pack.

Find the ratio of red cards to yellow  
cards that are now in the pack.  
Give your answer in its simplest  
form.

Not drawn accurately



Rectangles  $ABCD$  and  $EFGH$  are  
similar.

Work out the area of  $EFGH$