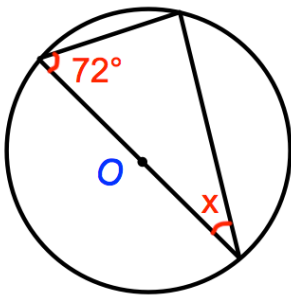


27th May



Corbettmaths

Find x

Derek drives to a football match
He drives the first 10 miles in 20 minutes.
He then drives at 55mph for 30 minutes.

The information below was found in his
car manual

Average Speed	Miles per gallon
Less than 50 mph	55
50 to 60 miles per hour	50
More than 60 mph	45

Work out how much petrol he used
in total

He completed the return journey at
70mph.
How much petrol did he used in the
return journey?

Convert 2.4m^2 into mm^2

Give your answer in standard form.

A and B are positive numbers.
A is inversely proportional to B.
When $A = 4$, $B = 100$.

Find the value of A when $B = A$.