

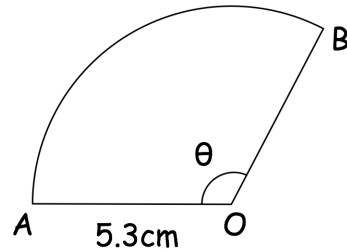


Make  $y$  the subject of the formula

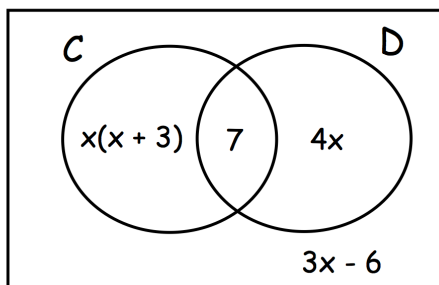
$$c = w - 4ay^3$$

The perimeter of sector AOB is 22.81cm.

Find  $\theta$



$\xi$



$\xi = 40$  students

C = students who own a cat

D = students who own a dog

A student is chosen at random.

They own a dog.

Work out the probability that they own a cat

A group of 10 people enter a room.

Each person shakes hands with all the other people in the room once.

How many handshakes are there in total?