

Dr Oliver Mathematics
Worked Examples
Find the Area of the Yellow Region 1

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1. In Figure 1, a circle, centred at O and of radius 17 cm, parallel chords AB and CD are drawn.

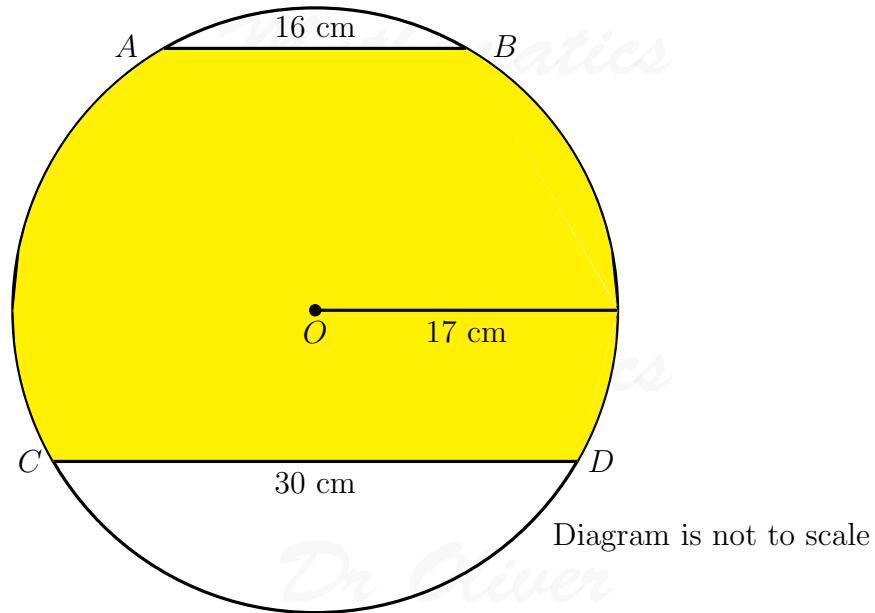


Figure 1: a circle, centred at O and of radius 17 cm

These parallel chords are, respectively, $AB = 16$ cm and $CD = 30$ cm.

Find the area which is coloured in yellow.