

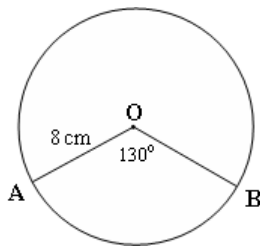
Ex 15 Arcs, Sectors in Circles*Section A (Non calculator)*

- 1 a) 32×27 b) 35% of £73 c) $4 \cdot 3 - 6 \cdot 2 + 4 \cdot 36$ d) $1 \cdot 2545 \div 500$

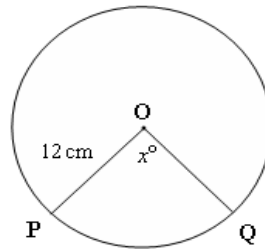
Only use your calculator if you need to!

Section B (Knowledge)

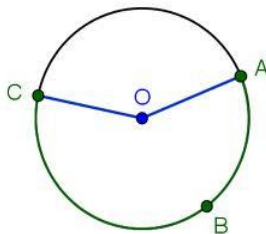
- 1 Find the length of the minor arc AB.



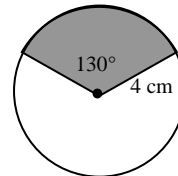
- 2 The area of sector OPQ is 100 cm^2 . Calculate the size of angle x° .



3. Find the length of minor arc AC when AO is 13 cm and angle AOC is 165°



4. Calculate the area of the shaded sector in this circle of radius 4cm where angle = 130°

*Section C (Mixed)*

1. Solve –

a) $3x + 2 = 23$ b) $2(h + 5) = 34$ c) $-3(t + 2) = 2(t - 1)$

2. Calculate the area of this running track

