



## CIRCLES THE CIRCUMFERENCE

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Ref: G425.2S1

			Ku. 0423.
A1	A2	A3	A4
Find the length of the circumference.	A dinner plate has a diameter of 27 cm.	The circumference of a circle is 74 cm.	Calculate the circumference of a 14-inch pizza.
8.4 cm	Calculate the circumference of the plate.	Calculate the length of the diameter of the circle.	
B1	B2	B3	B4
The diameter of a 10-pence coin is 24.5 mm.	Find the length of the circumference.	The distance between the pencil-tip and the point of a pair of compasses	The distance around a circular pond is 22 metres.
Calculate the circumference of the		is set to 4.5 cm.	Work out the diameter of the pond.
coin.	• 9.2 cm	Calculate the circumference of the circle that will be drawn.	
C1	C2	C3	C4
Find the length of the circumference.	The circumference of the earth is	A square has an area of $40 \text{ cm}^2$ .	Work out:
34 mm	approximately 40 000 km. Calculate the distance from the surface to the centre of the earth.	Work out the circumference of the circle.	$\frac{22}{7} - \pi$ Give you answer correct to 3 significant figures.







## CIRCLES $C = \pi \times D$ Ref: G425.2S1 THE CIRCUMFERENCE A1 A2 A3 A4 The circumference of a circle Find the length of the circumference. A dinner plate has a diameter Calculate the circumference of a of 27 cm. is 74 cm. 14-inch pizza. Calculate the length of the diameter Calculate the circumference of the of the circle. plate. 8.4 cm $C = \pi \times 14$ $D = \frac{74}{2}$ $C = \pi \times 27$ = 44 inches = 84.8 cm = 23.6 cm = 26.4 cm **B2 B3 B4 B1** The diameter of a 10-pence coin Find the length of the circumference. The distance between the pencil-tip The distance around a circular pond is 24.5 mm. and the point of a pair of compasses is 22 metres. is set to 4.5 cm. Calculate the circumference of the Work out the diameter of the pond. Calculate the circumference of the coin. 9.2 cm $\mathcal{D}=\frac{22}{\pi}$ circle that will be drawn. $C = \pi \times 24.5$ $C = \pi \times 181$ $C = \pi \times 9$ $= 77.0 \, \text{mm}$ =7 m= 57.8 cm = 28.3 cm **C2 C4 C1 C3** The circumference of the earth is A square has an area of $40 \text{ cm}^2$ . Find the length of the circumference. Work out: approximately 40 000 km. Work out the circumference of the $\frac{22}{7} - \pi$ circle. Calculate the distance from the 40000 surface to 34 mm earth. n-/40 = 6.325Give you answer correct to $\pi$ 6.325... $\Rightarrow C = \pi \times 6.325...$ 3 significant figures. = 12732 $C = \pi \times 68$ $= 19.9 \, \mathrm{cm}$ :.r = 6366 km $= 214 \, \text{mm}$ 0.00126

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