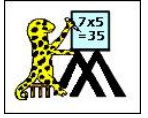


Name

Date



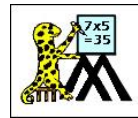
AREA OF $\frac{1}{4}$ CIRCLES SHEET 1

Use the radius measurement to find the area of these $\frac{1}{4}$ circles. Give your answers to 2dp.

		WORKING OUT	AREA
1)			
2)			
3)			
4)			
5)			
6)			

Name

Date



AREA OF $\frac{1}{4}$ CIRCLES SHEET 1 ANSWERS

Use the radius measurement to find the area of these $\frac{1}{4}$ circles.

		WORKING OUT	AREA
1)		$\text{Area} = \frac{1}{4} \times \pi \times 11^2 = \frac{1}{4} \times \pi \times 121 = (121/4) \pi$ $= 95.03 \text{ to 2dp}$	95.03 cm ²
2)		$\text{Area} = \frac{1}{4} \times \pi \times 9^2 = \frac{1}{4} \times \pi \times 81 = (81/4) \pi$ $= 63.62 \text{ to 2dp}$	63.62 in ²
3)		$\text{Area} = \frac{1}{4} \times \pi \times (3 \frac{1}{2})^2 = \frac{1}{4} \times \pi \times (49/4)$ $= (49/16) \pi = 9.62 \text{ to 2dp}$	9.62 ft ²
4)		$\text{Area} = \frac{1}{4} \times \pi \times (1.8)^2 = \frac{1}{4} \times \pi \times (3.24)$ $= 0.81 \pi = 2.54 \text{ to 2dp}$	2.54 m ²
5)		$\text{Area} = \frac{1}{4} \times \pi \times (5 \frac{1}{4})^2 = \frac{1}{4} \times \pi \times (441/16)$ $= (441/64) \pi = 21.65 \text{ to 2dp}$	21.65 in ²
6)		$\text{Area} = \frac{1}{4} \times \pi \times (3.4)^2 = \frac{1}{4} \times \pi \times (11.56)$ $= 2.89 \pi = 9.08 \text{ to 2dp}$	9.08 m ²