

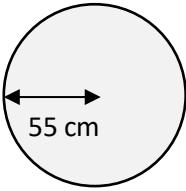
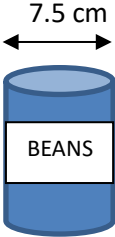
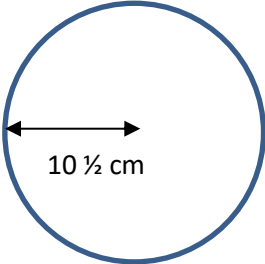
Name

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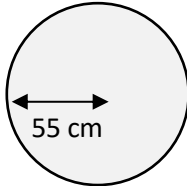
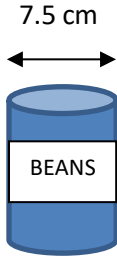
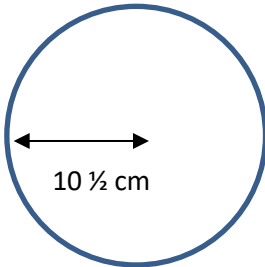
CIRCUMFERENCE OF A CIRCLE PROBLEMS 2B

Work out these circumference problems – give your answers to 1 decimal place where appropriate.

		Working out
1)	<p>A circular mirror has a radius of 55 cm. Work out the circumference of the mirror.</p>  <p>Circumference is _____ cm</p>	
2)	<p>A tin of beans has a diameter of 7.5 cm. Work out the circumference of the top of the tin in terms of π.</p>  <p>Circumference is _____ π.</p>	
3)	<p>A circular plate has a radius of $10\frac{1}{2}$ cm. What is the circumference of the plate?</p>  <p>The plate has a circumference of _____ cm.</p>	



CIRCUMFERENCE OF A CIRCLE PROBLEMS 2B ANSWERS

		Working out
1)	<p>A circular mirror has a radius of 55 cm. Work out the circumference of the mirror.</p>  <p>Circumference is <u>345.6</u> cm</p>	$55 \times 2 = 110$ $110 \times \pi = 345.6$
2)	<p>A tin of beans has a diameter of 7.5 cm. Work out the circumference of the top of the tin in terms of π.</p>  <p>Circumference is <u>7.5</u> π .</p>	<p>Circumference is $\pi \times$ diameter = 7.5π</p>
3)	<p>A circular plate has a radius of $10 \frac{1}{2}$ cm. What is the circumference of the plate?</p>  <p>The plate has a circumference of <u>66.0</u> cm.</p>	<p>Diameter: $10 \frac{1}{2} \times 2 = 21$ inches Circumference: $21 \times \pi = 66.0$</p>