

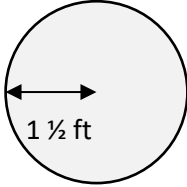
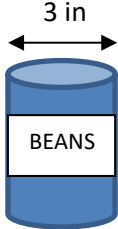
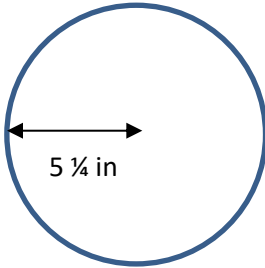
Name

Date



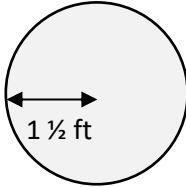

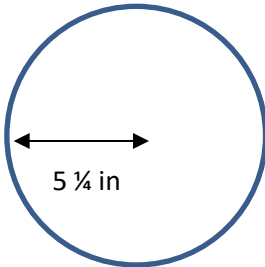
CIRCUMFERENCE OF A CIRCLE PROBLEMS 2A

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 $1\frac{1}{2}$ ft. Work out the circumference of the mirror.</p>  <p>Circumference is _____ ft</p>	
2)	<p>A tin of beans has a diameter of 3 inches. Work out the circumference of the top of the tin in terms of π.</p>  <p>Circumference is _____ π inches .</p>	
3)	<p>A circular plate has a radius of $5\frac{1}{4}$ inches. What is the circumference of the plate?</p>  <p>The plate has a circumference of _____ inches.</p>	



CIRCUMFERENCE OF A CIRCLE PROBLEMS 2A ANSWERS

		Working out
1)	<p>A circular mirror has a radius of $1\frac{1}{2}$ ft. Work out the circumference of the mirror.</p>  <p>Circumference is <u>9.4 ft</u></p>	<p>Diameter = $1\frac{1}{2} \times 2 = 3$ $3 \times \pi = 9.4$ ft</p>
2)	<p>A tin of beans has a diameter of 3 inches. Work out the circumference of the top of the tin in terms of π.</p>  <p>Circumference is <u>3</u> π inches .</p>	<p>Circumference is $\pi \times$ diameter = 3π</p>
3)	<p>A circular plate has a radius of $5\frac{1}{4}$ inches. What is the circumference of the plate?</p>  <p>The plate has a circumference of <u>33.0</u> inches.</p>	<p>Diameter: $5\frac{1}{4} \times 2 = 10\frac{1}{2}$ inches Circumference: $10.5 \times \pi = 33.0$</p>