

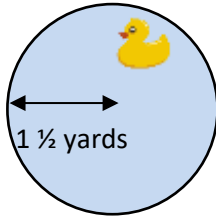
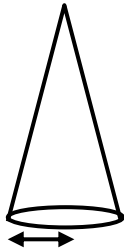
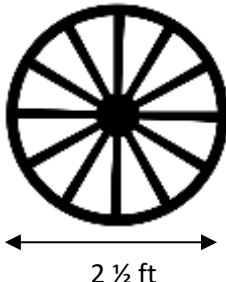
Name

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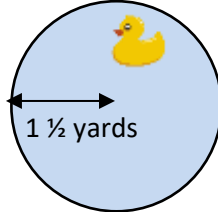
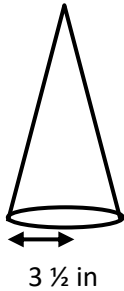
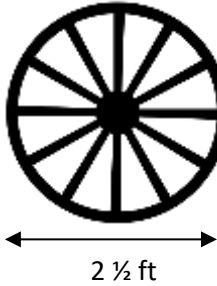
CIRCUMFERENCE OF A CIRCLE PROBLEMS 1A

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

		Working out
1)	<p>A circular pond has a radius of $1\frac{1}{2}$ yards. Work out the circumference of the pond.</p>  <p>Circumference is _____ yards.</p>	
2)	<p>The bottom of a cone-shaped hat has a radius of $3\frac{1}{2}$ inches. What is the circumference of the bottom edge of the hat.</p>  <p>Circumference is _____ .</p>	
3)	<p>A wheel has a diameter of $2\frac{1}{2}$ ft. What is the perimeter of the wheel?</p>  <p>The circumference of the wheel is _____ .</p>	



CIRCUMFERENCE OF A CIRCLE PROBLEMS 1A ANSWERS

		Working out
1)	<p>A circular pond has a radius of $1\frac{1}{2}$ yards. Work out the circumference of the pond.</p>  <p>Circumference is <u>9.4</u> yards.</p>	<p>Diameter: $1\frac{1}{2} \times 2 = 3$ Circumference = $3 \times \pi$ = 9.4 yards</p>
2)	<p>The bottom of a cone-shaped hat has a radius of $3\frac{1}{2}$ inches. What is the circumference of the bottom edge of the hat.</p>  <p>Circumference is <u>22.0 in</u>.</p>	<p>Diameter: $3\frac{1}{2} \times 2 = 7$ Circumference: $7 \times \pi$ = 22.0 in</p>
3)	<p>A wheel has a diameter of $2\frac{1}{2}$ ft. What is the perimeter of the wheel?</p>  <p>The circumference of the wheel is <u>7.9 ft</u>.</p>	<p>Circumference: $2\frac{1}{2} \times \pi = 7.9$ ft</p>