

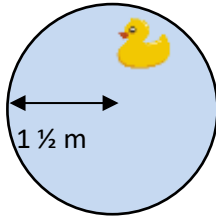
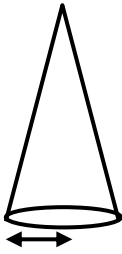
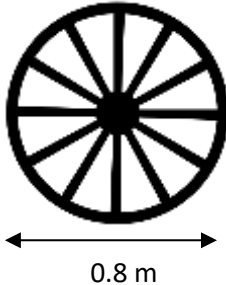
Name

Date



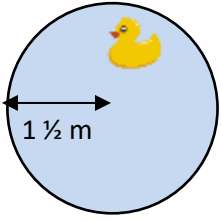
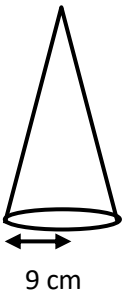
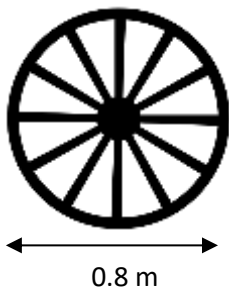
CIRCUMFERENCE OF A CIRCLE PROBLEMS 1B

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 $1\frac{1}{2}$ m. Work out the circumference of the pond.</p>  <p>Circumference is _____ m.</p>	
2)	<p>The bottom of a cone-shaped hat has a radius of 9 cm. What is the circumference of the bottom edge of the hat.</p>  <p>Circumference is _____ .</p>	
3)	<p>A wheel has a diameter of 0.8m. What is the perimeter of the wheel?</p>  <p>The circumference of the wheel is _____ .</p>	



CIRCUMFERENCE OF A CIRCLE PROBLEMS 1B ANSWERS

		Working out
1)	<p>A circular pond has a radius of $1\frac{1}{2}$ m. Work out the circumference of the pond.</p>  <p>Circumference is <u>9.4</u> m.</p>	<p>Diameter: $1\frac{1}{2} \times 2 = 3$ Circumference = $3 \times \pi$ = 9.4 m</p>
2)	<p>The bottom of a cone-shaped hat has a radius of 9cm. What is the circumference of the bottom edge of the hat.</p>  <p>Circumference is <u>56.5 cm</u> .</p>	<p>Diameter: $9 \times 2 = 18$ Circumference: $18 \times \pi$ = 56.5 cm</p>
3)	<p>A wheel has a diameter of 0.8 m. What is the perimeter of the wheel?</p>  <p>The circumference of the wheel is <u>2.5 m</u></p>	<p>Circumference: $0.8 \times \pi = 2.5$ m</p>