The Circle

Remember :
$$C = \pi d \quad (\pi = 3 \cdot 14)$$

The Circumference of a Circle

The circumference of a circle is the distance around the outside of the circle

Example 1 .... Calculate the circumference of the circle with diameter 18cm. working .... $C = \pi d$ $\quad = 3 \cdot 14 \times 18$ $\quad = 56 \cdot 2 \; cm \quad (to \; 1 \; d.p.)$	Example 2 .... Calculate the circumference of the circle with radius 3mm. working .... If $r = 3$ then $d = 6$ $\quad C = \pi d$ $\qquad = 3 \cdot 14 \times 6$ $\qquad = 18 \cdot 8 \; mm \quad (to \; 1 \; d.p.)$

1. Calculate the circumference of the circle with ....

   (a) diameter $10 \, cm$ (b) diameter $14 \, mm$ (c) diameter $2 \cdot 4 \, m$ (d) d $= 40 \, cm$

2. Calculate the circumference of the circle with ....

   (a) radius $15 \, cm$ (b) radius $33 \, mm$ (c) radius $1 \cdot 5 \, m$ (d) radius $20 \, cm$