## WALT: Solve Problems involving 2D Shapes

Year 6 Maths Homework

## 1) Complete this table

| Miles | Kilometres |
| :---: | :---: |
| 1 mile | 1.6 km |
| 2 miles |  |
|  | 4.8 km |
| 5 miles |  |
|  | 16 km |
| 20 miles |  |

2) 

Area =
Perimeter =
3) (a) Draw/Label the radius, diameter and circumference on this circle

## TRICKY


(b) The radius of this circle is 6 cm .

Find the Area and Circumference

(a) Angle h =
(b) What kind of triangle is this?
(c) The base of the triangle is 12 cm and the vertical height is 3 cm .
Calculate the area (TRICKY)
5) Name the shape using these clues:
(a)A quadrilateral with four equal sides but no right angles (b)A quadrilateral with one pair of parallel lines
(c) A triangle where each angle measures $60^{\circ}$
6) Dong Nao Jin (you will need a protractor)
(a) Draw an isosceles triangle with two sides of 4 cm
(b) Draw an isosceles triangle with angles of $75^{\circ}$ and $30^{\circ}$ (c) Draw an equilateral triangle with sides measuring 4 cm (d) A scalene triangle - one side measuring 38 mm , an angle of $48^{\circ}$ and an angle of $62^{\circ}$

