ROK – Retention of Knowledge

Identify the radius and diameter for each of the circles.

8 cm

3.6 cm

12.5 cm

54 cm

35 cm
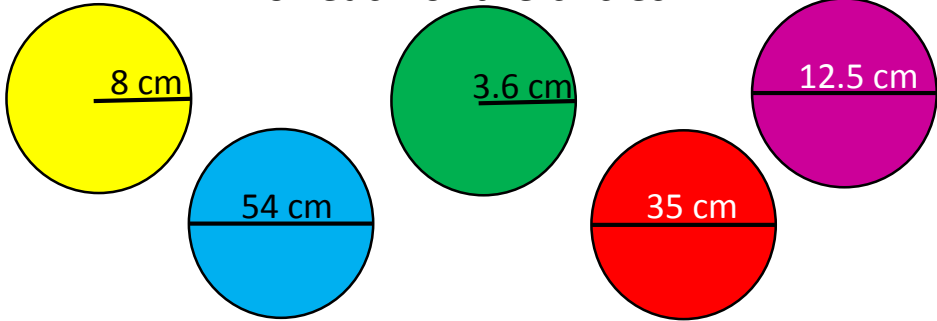
Hurricane Catrina happened in 2005 and mixed up all the words. Can you unscramble the words.

eraa

diusar

retaidem

pitlumly

torces

cerenfuricemuc

Literacy

To find the area of a circle use the formula Area $= \pi r^2$

Pi is the number of times the diameter fits into the circumference of a circle. Use pi as
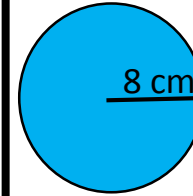
$\pi = 3.14 ... ...$

Example: Radius = 8cm
Diameter = 16cm
$Area = \pi r^2$
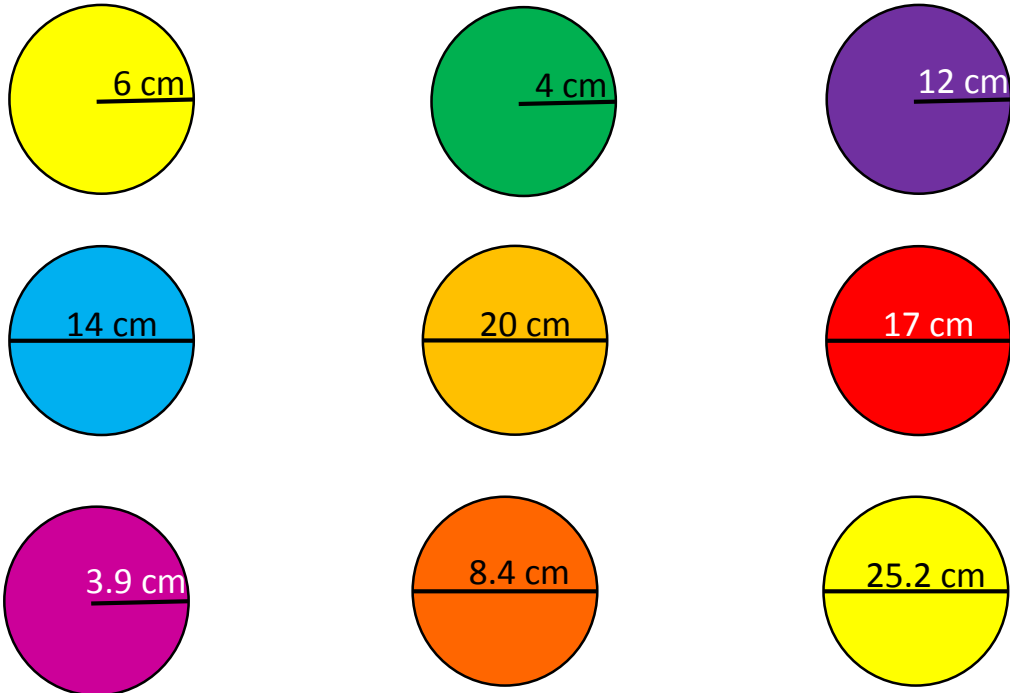$Area = 3.14 \times radius \times radius$
$Area = 3.14 \times 8 \times 8$
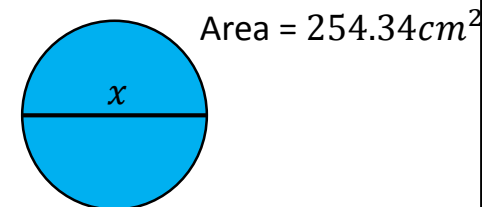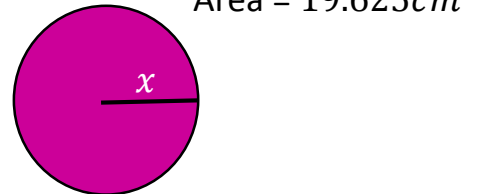$Area = 200.96 cm^2$

8 cm

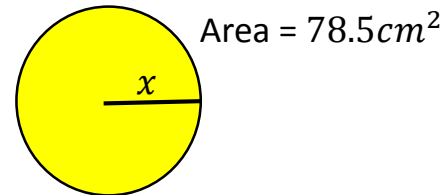**Memory**

Skill 1   Find the area of these circles

6 cm

4 cm

12 cm

14 cm

20 cm

17 cm

3.9 cm

8.4 cm

25.2 cm

Skill 2
Find the missing length

Area $= 78.5 cm^2$

x

Area $= 19.625 cm^2$

x

Area $= 254.34 cm^2$

x

Stretch
Find the area of these sectors

32 cm

11 cm
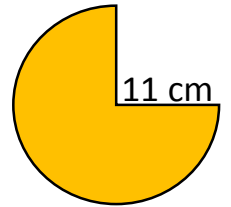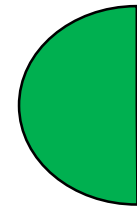
Find the area the shaded region

13 cm

3 cm

11 cm