Below are your tasks for the next seven days in the subject listed above.

Optional Hegarty Maths clip to recap for prior knowledge:
- Hegarty Maths Clip 592 – Parts of a circle.
- Hegarty Maths Clip 130 – Round to significant figures.

Review & Reflect
- The answers to last week’s work are on slide 2. Use your R&R pen to self-assess your work.

Present New Information:
• All students must watch all the following videos and make concise notes in a notebook:
  - Hegarty Maths Clip number 534, 535 – Circumference of a circle (1) and (2) (20 minutes).
  - Hegarty Maths Clip number 539, 541 – Area of a circle (20 minutes).
  - Watch these songs to get the circle formulae stuck in your head!
    https://www.youtube.com/watch?v=WF3AobS9OTQ
    https://www.youtube.com/watch?v=IWDha0wqbcI

Apply:
- Complete Hegarty Maths Clip number 534, 535 – Circumference of a circle (1) and (2) (20 minutes).
- Complete Hegarty Maths Clip number 539, 541 – Area of a circle (20 minutes).

Please note: Mr. Albon and Mr. Sahota will be checking that you have accessed the videos and completed these tasks set on Hegarty Maths.
If you feel you need further practice of the basic skills then complete the tasks on slide 3 and mark your work with the answers provided on slide 4 (20 minutes).

Challenge: If you wish to challenge yourself then have an attempt at Hegarty Maths quiz numbers 536-537 (Circumference); 540, 542, 543 (Area); 544 (Arc length); 546 (Area of a sector).

Loom videos:
1) Introduction to Pi  2) Circumference and Area of Circles:
Answers to last week

**Question 1**
SA = $96m^2$
V = $64m^3$

**Question 2**
SA = $294m^2$
V = $343m^3$

**Question 3**
SA = $118cm^2$
V = $70cm^3$

**Question 4**
SA = $164m^2$
V = $120cm^3$

**Question 5**
SA = $336cm^2$
V = $288cm^3$

**Question 6**
SA = $84cm^2$
V = $48cm^3$
1) Calculate the circumference of each circle.
2) Calculate the area of each circle.
Answers

1) a) 6.3 cm  b) 15.7 m  c) 50.3 cm  d) 22.8 cm
e) 2.5 m  f) 94.2 cm  g) 56.5 cm  h) 69.1 cm

2) a) 3.1 \( cm^2 \)  b) 19.6 \( m^2 \)  c) 201.1 \( cm^2 \)  d) 41.4 \( cm^2 \)
e) 0.5 \( m^2 \)  f) 706.9 \( cm^2 \)  g) 254.5 \( cm^2 \)  h) 380.1 \( cm^2 \)