**Forfar Academy Mathematics Department**

Remember to show all you working:

1. Which offer is the best value (think about the area of pizza you will eat)? Why?

|  |  |
| --- | --- |
|  |  |
| 1 x 30 cm (diameter) pizza for £14.99 | 2 x 18 cm (diameter) pizzas for £14.99 |

1. What is the relationship between the radius and the diameter of a circle?
2. . Calculate the **perimeter** of the logo below:



3 cm

|  |  |
| --- | --- |
| 1. Find the shaded area:

4 cm | 1. Find the area and circumference of this circle:
 |
|  | 1.7 cm |

6. How long would it take to travel 260 miles at an average speed of 40mph? Without a calculator – show all working!

7. Calculate the average speed of a car that travels 198 km in 2hours and 15 minutes.