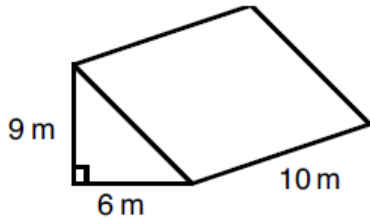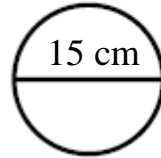# Homework 1

Due in:

1. What is $\sqrt{3.61}$	3. Estimate the answer to $\frac{37 \times 4.7}{19.1}$. Show all intermediate steps
2. Work out 3.9^3	4. Round your answer to q2 to 1 d.p.

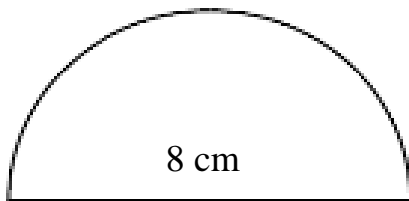|	
5. What is the Lowest Common Multiple (LCM) of 15 and 18?	8. What is 3.14 + 5.6 + 8.21 − 6.79 (show working, no calculator)
6. Find the HCF of 15 and 20	9. Year 9 has 120 pupils, if 20 pupils favourite subject is maths, what angle would that be on a pie chart?
7. Increase £6.20 by 15%	10. 405 ÷ 9 (show all working, no working = no mark)

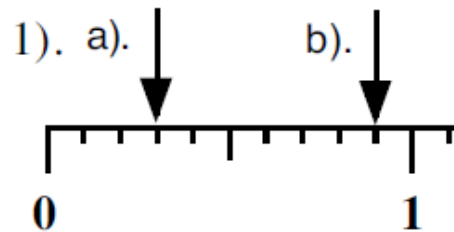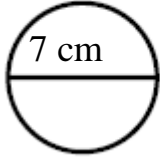|	
11. What is the volume of this shape? 9 m, 6 m, 10 m	14. What is the circumference of this circle? 15 cm
12. What is the perimeter of this semi- circle? 8 cm	15. Write down the numbers marked with the arrows 1). a). b). 0 1
13. Work out $1\frac{2}{4} + 2\frac{1}{8}$ (no calculator – show working)	16. What is $1\frac{2}{3} \times \frac{3}{4}$ (no calculator – show working)

| 17. What is the area of this circle?

7 cm	19. Write 8cm as a fraction of 1m. Cancel the fraction to its simplest form.
18. Divide £40 in the ratio 1:2:5	20. 5 miles = 8 km. How many kilometres is 15 miles?

Total: