

# Homework 5

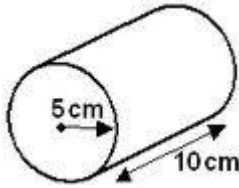
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Due in:

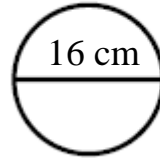
1. What is $\sqrt{4.41}$	3. Estimate the answer to $\frac{78 \times 8.3}{37.2}$ . Show all intermediate steps
2. $7.7^3$	4. Round your answer to question 2 ( $7.7^3$ ) to one decimal place (1 d.p.)

5. What is the LCM (lowest common multiple) of 8 and 14?	8. What is $1.34 + 5.6 + 7.89 - 6.54$ (show working, no calculator)
6. Find the HCF (highest common factor) of 45 and 27	9. Year 9 has 80 pupils, if 18 pupils favourite subject is maths, what angle would that be on a pie chart?
7. Increase £11.20 by 30% (show working)	10. $364 \div 7$ (show all working, no working no mark)

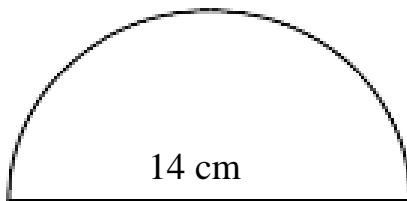
11. What is the volume of this shape?



14. What is the **circumference** of this circle?



12. What is the **area** of this semi- circle?



15. Which is bigger,  $\frac{3}{5}$  of 35 or 40% of 50.  
You must show your working.

13. Work out  $2\frac{2}{5} \times 2\frac{2}{3}$

16. What is  $2\frac{5}{6} + 1\frac{1}{3}$

17. Pete changed £120 into Dollars (\$). The exchange rate was £1 = \$1.38. How many dollars did Pete get?

19. Write 56 cm as a fraction of 4 m.  
Cancel the fraction to its simplest form.

18. Divide £60 in the ratio 6:4:5

20. Use the fact that 5 miles = 8 km to work out how many kilometres is equal to 75 miles.

Total:

