

Homework 22

Due in:

1. A cube has a volume of 64cm^3 . What is its surface area?

3. $\frac{6}{7} - \frac{5}{12}$

2. 245×26 (you must show working)

4. $\frac{5}{9} \times \frac{2}{5} \times 90$

5. $\frac{9}{11} \div \frac{3}{5}$

8. If five numbers have a mean of 12, and four of the numbers are 2, 19, 30 and 17, what is the fifth number?

6. $-21 \div -3$

9. Calculate the mean from this frequency table.

x	0	1	2	3
f	4	0	8	3

7. 120 pupils are asked for their favourite food and 15 said lasagne. What angle would this be on a pie chart?

10. solve $11x = 5x + 18$

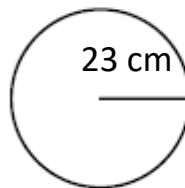
11. Solve $6(10 - 2x) = -24$

14. What is the probability of rolling a factor of 6 on a fair 8 sided dice?

12. Make b the subject

$$a = \frac{4 - 3b}{6}$$

15. What is the area of this circle?

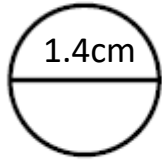


13. Expand and simplify;

$$(x + 10)^2$$

16. Write 62 as a percentage of 125.

17. What is the circumference of this circle?



19. 15.9×8 (show working)

18. After an increase of 10%, the boots now cost £55, what was their original price?

20. What is 2^5 ?

Total:

