

# Homework 20

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Due in:

1. The perimeter of a rectangle is 30cm. The base is 2cm greater than the height. Find the area of the rectangle.

3.  $\frac{4}{7} - \frac{3}{5}$

2.  $534 \times 67$  (you must show working)

4.  $\frac{2}{5} \times \frac{3}{7}$

5.  $\frac{4}{5} \div \frac{7}{10}$

8. If 6 numbers have a mean of 6, and five of the numbers are 3, 7, 2, 9, and 4, what is the sixth number?

6.

$$+8 \div -2$$

9. Calculate the mean from this frequency table.

x	0	1	2	3
f	3	8	4	1

7. 72 pupils are asked for their favourite food and 8 say pizza. What angle would this be on a pie chart?

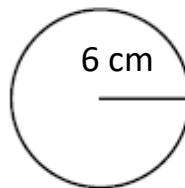
10. solve  $3x - 9 = 15$

11. Convert 752cm into metres.

14. What is the probability of rolling a prime number on a fair 8 sided dice?

12. Make b the subject  
 $a = 7b + 11$

15. What is the area of this circle?

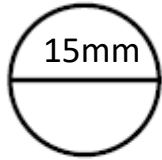


13. Expand;

$$x(x - 3)$$

16. Write 40 as a percentage of 120.

17. What is the circumference of this circle?



19.  $11.4 \times 6$  (show working)

18. Decrease £25 by 15%

20. What is  $10^5$ ?

Total:

