

# Homework 21

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Due in:

1. The perimeter of a rectangle is 42cm. The base is double the height. Find the area of the rectangle.

3.  $\frac{3}{8} + \frac{3}{7}$

2.  $318 \times 31$  (you must show working)

4.  $\frac{1}{9} \times \frac{3}{8}$

5.  $\frac{3}{8} \div \frac{3}{4}$

8. If five numbers have a mean of 10, and four of the numbers are 8, 11 and 14, what is the fifth number?

6.  $-16 \div 4$

9. Calculate the mean from this frequency table.

x	5	6	7	8
f	7	2	9	6

7. 18 pupils are asked for their favourite dessert and 4 say chocolate cake. What angle would this be on a pie chart?

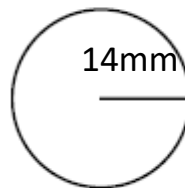
10. solve  $4x + 7 = 35$

11. How many metres are equivalent to 2.7 kilometres?

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

12. Make b the subject  
 $a = 6b - 4$

15. What is the area of this circle?

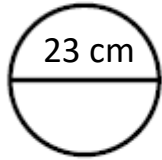


13. Expand and simplify;

$$3(2x - 7) + 4$$

16. Write 16 as a percentage of 45.

17. What is the circumference of this circle?



19.  $2.7 \times 3$  (show working)

18. Decrease 32 by 40%

20. What is  $6^3$ ?

Total:

