

# Homework 19

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Due in:

1. The area of a rectangle is  $24\text{cm}^2$ . The base and height are whole numbers. What is the smallest perimeter possible?

3.  $\frac{7}{9} - \frac{2}{5}$

2.  $172 \times 21$  (you must show working)

4.  $\frac{2}{9} \times \frac{3}{4}$

5.  $\frac{4}{7} \div \frac{2}{7}$

8. If 6 numbers have a mean of 5, and five of the numbers are 3, 2, 1, 7, and 6, what is the sixth number?

6.  $-9 \times -3$

9. Calculate the mean from this frequency table.

|   |   |   |   |   |
|---|---|---|---|---|
| x | 0 | 1 | 2 | 3 |
| f | 8 | 7 | 4 | 2 |

7. 20 pupils are asked for their favourite football team and 1 said Leeds United. What angle would this be on a pie chart?

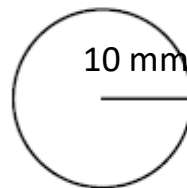
10. solve  $3x - 1 = 17$

11. Convert 27mm into cm.

14. What is the probability of rolling an even number on a fair 6 sided dice?

12. Make b the subject  
 $a = 7b - 3$

15. What is the area of this circle?

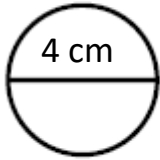


13. Expand;

$$2m(7 - x)$$

16. Write 10 as a percentage of 25.

17. What is the circumference of this circle?



19.  $7 \times 0.6$  (show working)

18. Increase £75 by 15%

20. Divide 25 in the ratio 3:2?

Total:

