

Homework 19

Due in:

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

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

2. 172×21 (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×-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 $3x - 1 = 18$

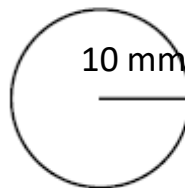
11. Solve $3(3x + 2) = 26$

14. What is the probability of not rolling an even number on a fair 6 sided dice?

12. Make b the subject

$$a = \frac{7b - 3}{4}$$

15. What is the area of this circle?

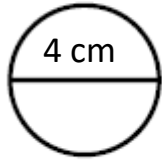


13. Expand and simplify;

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

16. Write 10 as a percentage of 25.

17. What is the circumference of this circle?



19. 7×0.6 (show working)

18. After an increase of 10%, the boots now cost £132, what was their original price?

20. Divide 25 in the ratio 3:2?

Total:

