

Homework 17

Due in:

1. A rectangle has an area of 20cm^2 . Its base and height are whole numbers. What is the largest possible perimeter?

3. $\frac{2}{3} + \frac{1}{4}$

2. 318×24 (you must show working)

4. $\frac{3}{7}$ of $\frac{3}{4}$ of 28

5. $4 + -3$

8. If 5 numbers have a mean of 10, and four of the numbers are 15, 4, 11, and 6, what is the fifth number?

6. $+4 \times -3$

9. Calculate the mean from this frequency table.

x	0	1	2	3
f	2	4	7	4
fx				

7. 60 pupils are asked for their favourite holiday destination and 11 say Spain. What angle would this be on a pie chart?

10. solve $6x + 4 = 34$

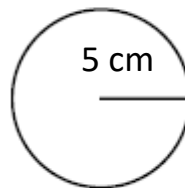
11. Solve $4(3x - 1) = 56$

14. What is the probability of rolling a 2 or a 3 on a fair 6 sided dice?

12. Make b the subject

$$a = \frac{5b - 2}{6}$$

15. What is the area of this circle?

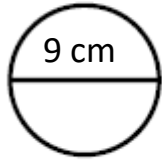


13. Expand and simplify;

$$(x + 3)(x + 5)$$

16. Write 25 as a percentage of 90.

17. What is the circumference of this circle?



19. 4.6×7 (show working)

18. After an increase of 20%, the shirt now cost £60, what was its original price?

20. What is 10^5 ?

Total:

