

YEAR 8 MATHS, TEST 3

1. If $4x = 28$, find the value of x .

The table below shows the number of games and the number of goals scored by a football team. Use the information to answer questions 2 to 4.

No.of goals	0	1	2	3	4	5
No. of games	3	5	7	4	1	0

2. How many games were played altogether?

3. . What is the mean goal scored?

4. What is the modal goals scored?

5. Remove bracket of $3a + 2(a + 2b)$.

6. The next term in the sequence 2 , 3 , 5 , 8 , 12 ,17 ,

7. Solve for x in the equation: $\frac{1}{x} + \frac{2}{3x} = \frac{1}{3}$

8. What must be added to $(2x - 3y)$ to get $(x - 2y)$?

9. Simplify: $\frac{7}{4} - \left(2\frac{1}{3} + 4\right)$.

10. Simplify $\frac{2}{3} \times \frac{3^3}{4}$.