



8. Plot a graph in form $y = x + a$ (M932)

1. Complete the table of values for $y = x + 3$ for $x = 0, 1, 2, 3$.
2. What is the y -intercept of the graph $y = x + 5$?
3. Does the point $(2, 6)$ lie on the line $y = x + 4$?
4. Identify the line on a grid that represents $y = x - 2$.
5. Write the equation of a line parallel to $y = x$ that passes through $(0, 1)$.

9. Understand relationship between x and y (M888)

1. In $y = 3x + 2$, what is the value of y when $x = 0$?
2. If y is always 4 more than x , write the equation.
3. What is the gradient of the line $y = 5x - 1$?
4. In $y = x - 3$, if x increases by 1, how much does y change?
5. Which coordinate (x, y) satisfies $y = 2x$ when $x = 10$?

10. Missing numbers in linear sequences (M381)

1. Find the missing number: 3, 7, 11, __, 19.
2. Find the missing number: 25, 20, 15, __, 5.
3. Find the missing numbers: __, 10, 14, 18, __.
4. Find the missing number: 1.2, 1.4, 1.6, __, 2.0.
5. Find the missing number: -8, -5, -2, __, 4.

11. Identify and generate linear sequences (M241)

1. Generate the first 5 terms of a sequence starting at 2 with a common difference of 5.
2. Is 2, 4, 8, 16, ... a linear sequence? Why or why not?
3. Write the first four terms of: start at 20, subtract 4 each time.
4. Determine the term-to-term rule for 7, 13, 19, 25,
5. What is the 10th term of the sequence 3, 6, 9, 12, ...?