Grade 7 · Mathematics

Graphs: line graphs and relationships

Name: _____

REMEMBER

A rising line shows an increase, a falling line a decrease and a flat (horizontal) line that nothing changes.
A **straight** line means a constant rate (linear); a **curve** means the rate changes (non-linear).
Read the axes and the units first.

1 Calculate the coordinates of the point on the graph for the given x-value.

a) $y = x - 3$; $x = 5$

Answer: _____

b) $y = 4x + 3$; $x = 2$

Answer: _____

c) $y = x$; $x = 3$

Answer: _____

2 A horizontal (flat) line on a graph means that the quantity:

(a) increases (b) stays the same (c) decreases

Work here

I got ____ out of 4

✂ Memorandum · cut or fold here

1. **a)** (5; 2) · **b)** (2; 11) · **c)** (3; 3)
2. **b** stays the same

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