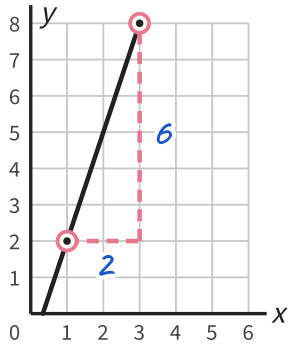


Gradient of a Line

ANSWERS

1

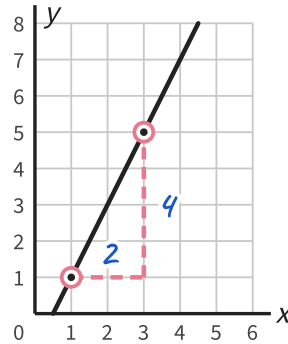
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{6}{2} = 3$$

2

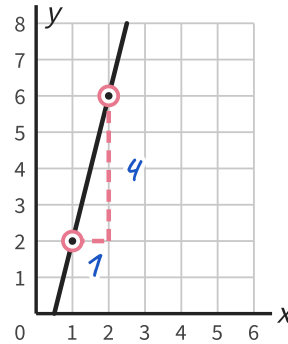
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{4}{2} = 2$$

3

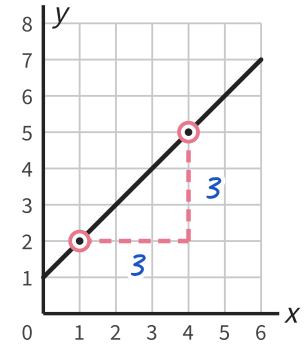
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{4}{1} = 4$$

4

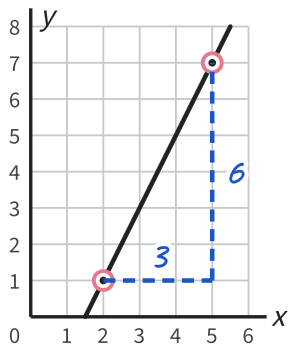
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{3}{3} = 1$$

5

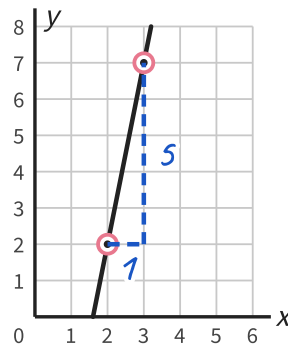
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{6}{3} = 2$$

6

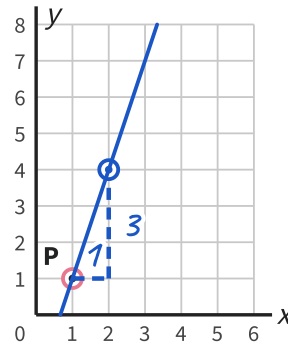
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{5}{1} = 5$$

7

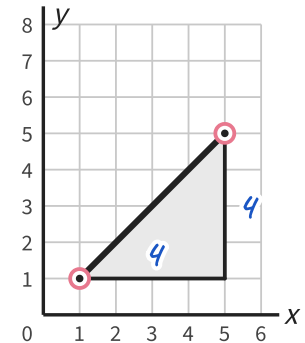
Draw a line through P with a gradient of 3.



$$\frac{\text{up}}{\text{across}} = \frac{3}{1} = 3$$

8

A ramp is drawn on the grid. Work out the gradient of the ramp.



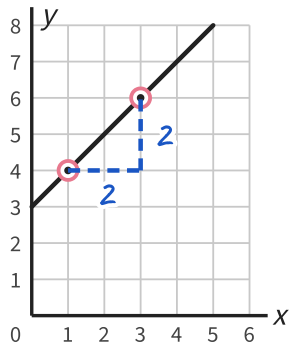
$$\frac{\text{up}}{\text{across}} = \frac{4}{4} = 1$$

Gradient of a Line *further practice*

ANSWERS

9

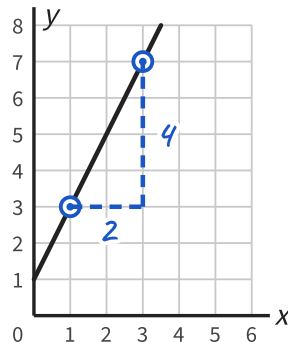
Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{2}{2} = 1$$

10

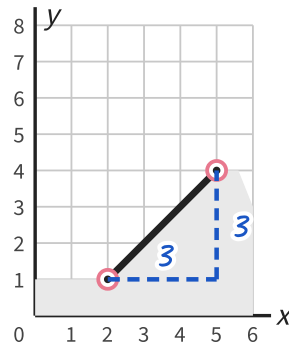
Mark two points on the line.
Work out the gradient.



$$\frac{\text{up}}{\text{across}} = \frac{4}{2} = 2$$

11

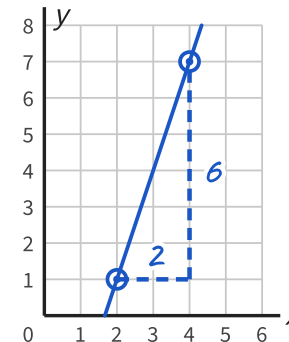
A road goes up a hill. Work out the gradient of the road.



$$\frac{\text{up}}{\text{across}} = \frac{3}{3} = 1$$

12

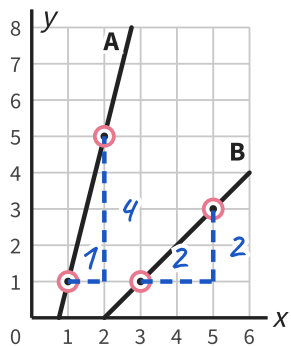
Plot (2, 1) and (4, 7). Work out the gradient of the line.



$$\frac{\text{up}}{\text{across}} = \frac{6}{2} = 3$$

13

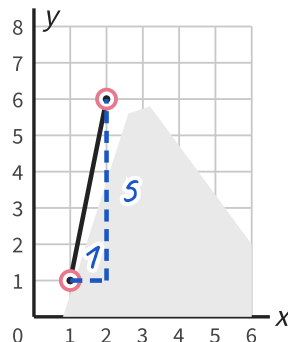
Which line is steeper, A or B?
Work out both gradients.



A 4 B 1
Steeper A

14

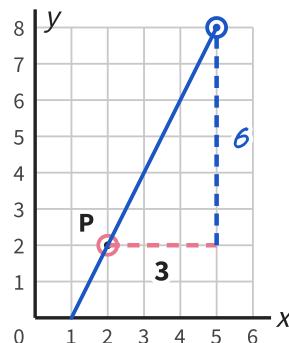
The line shows a ski lift.
Work out the gradient of the ski lift.



Gradient 5

15

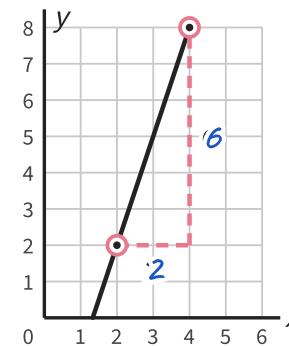
A line through P has a gradient of 2.
The step goes 3 across.
How many up?



Up 6 squares

16

Sam writes $2 \div 6$ for the gradient.
What has Sam done wrong?



Sam should divide up by across.
The gradient is $6 \div 2 = 3$