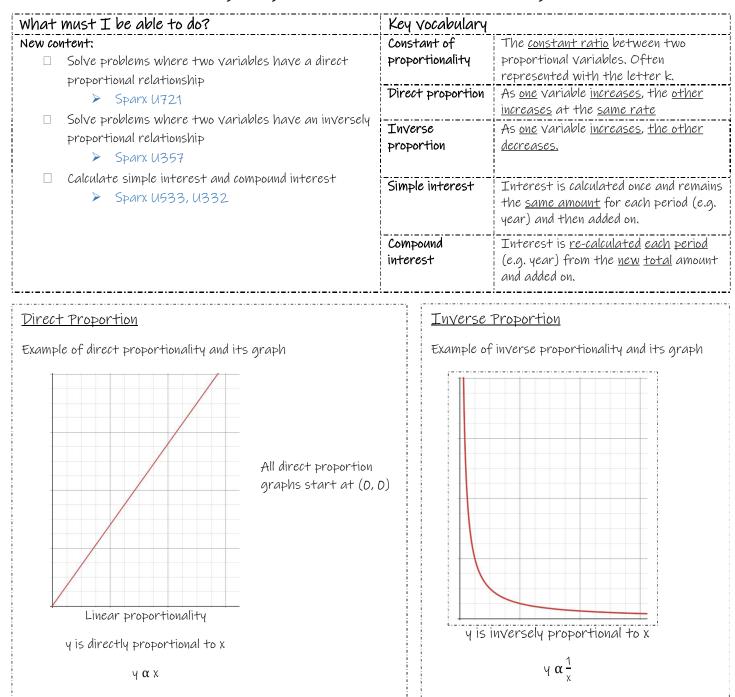
## Y10 Maths Knowledge Organiser Foundation Tier: Percentages and Variation



## Examples of direct and inverse proportion

## Direct:

Two bananas cost £1.20. How much would 5 bananas cost?

Each banana has a fixed cost, you can scale down to the cost of 1 banana and then scale up to the cost of 5.

The more bananas you buy, the more it costs in total (both increase together)

## Inverse:

It takes 2 men 3 days to build a wall. How long does it take 5 men?

This is inverse as 1 man will take longer not less time. 1 man would need 6 days  $(3 \times 2)$ .

From there you can find how long it takes 5 men (6 days divided by 5).

The more people working on the task, the less time it will take. (one increases, one decreases)

