

Proportion

Week 4

Lesson Time : 20 - 25 Minutes

Course : Foundation or Higher

Grade : 4

Back to Basics

Core

Let's Do It!

GCSE Revision Video 17

- **Prior Checklist:** A pack of A5/A6 revision cards.

A pen.

- **Our Video Structure:**

Back to Basics: Quick re-cap.

Core: *Create* your own revision cards with exam style questions.

Let's Do It! : *Apply* your revision cards to another set of exam style questions.

Instructions: Print out this worksheet and watch the revision video simultaneously.

Pause and Play the video unlimited times to review your work and write the answers in the blank spaces. Once you have written your answers, check these with the tutorial answers, as explained in the video.


Create your OWN revision cards when prompted on the worksheet(Back to Basic and Core sections).

Apply your OWN revision cards (Let's Do It! section).

Self Assess yourself (Out of 10) on your revision planner after you have completed the revision video.

WATCH this revision video and **MANY** others on our **FULL** courses at www.mathsmemory.co.uk

Let's get started and create our Master revision card with this suggested template.



Maths Memory

Learn:

- Unitary Method
- Recipe context
- Inverse proportion

Example(s):

Topic: Proportion

Date/week: _____


GRADE

4/5

Step 3

Step 2

Step 1



Back to Basics- starter questions to warm you up



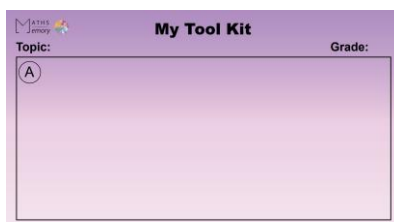
Back to Basics **Topic: Proportion**

Question 1

a) A bag of potatoes cost £11.52 for 6 kg.
How much would 5 kg cost?

Calculator

Let's get our revision card and create Section A. Look at video for guidance.



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Question 1

a) Here is a list of ingredients for making 12 chocolate cupcakes.

- 120 g butter
- 160 g flour
- 2 eggs
- 40 g chocolate chips

James wants to make 30 chocolate cupcakes.
Work out how much of each ingredient he will need?

Grade
4 (3 Marks)

Let's get our revision card and create Section B. Look at video for guidance



Question 2

a) Gordon is going to make concrete for a building project.
He requires 220 kg cement , 450 kg sand and 1200kg of stone.

Bags are sold as follows

- | | | |
|--------------|------------|--------------|
| 1 bag cement | 1 bag sand | 1 bag stones |
| 30 kg | 25 kg | 125kg |

Gordon already has 5 bags of cement, 12 bags of sand and 5 bags of stone from previously.
How many more bags of each does he need to buy?

Grade
4 (3 Marks)

Calculator

Question 3

a) It takes 4 men 12 days to complete a garden landscaping project.
How many days would it take 6 men to complete the project?

b) State one assumption you made in working out your answer to part (a)

Grade

5 (3 Marks)

Let's Do It! - Apply your revision cards to another set of exam style questions

Question 1

Here is a list of ingredients to make 16 biscuits

50 g sugar
110 g butter
140 g flour

Terence already has the following ingredients : **140 g sugar, 275 g butter, 400 g flour**

What are the maximum number of biscuits Terence can make?

Grade

4 (3 Marks)

Calculator

Question 2

a) A carnival cost the following to attend:

£ 12 per hour - Non Peak times

£ 24 per hour - Peak times

Anna wants to spend a total of 1 hour 15 minutes Non Peak time and 20 minutes Peak time at the carnival. What is her total cost?

b) It takes 20 volunteers 4 days to help tidy the streets after a carnival. How long would it take 16 volunteers to tidy the streets ?

Grade

5 (4 Marks)

Congratulations. You have completed this topic.

Now go back to your revision planner and rate yourself out of 10.