

# Simultaneous Equations

**Lesson Time :** 20 - 25 Minutes

**Course :** Foundation or Higher

**Grade :** 4/5

Back to Basics

Core

Let's Do It!

## GCSE Revision Video 37

- **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

**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](http://www.mathsmemory.co.uk)

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



# Maths Memory

## Learn:

- Basic
- Advanced
- Worded

  
  

Step 3



Step 2



Step 1



Example(s):

Date/week: \_\_\_\_\_

Topic: Simultaneous Equations

GRADE

4/5

## Back to Basics - starter questions to warm you up



## Back to Basics

Topic: Simultaneous Equations  
(Elimination)

### Question 1

Find the value of  $x$  and  $y$ .

$$\begin{aligned}x + 2y &= 7 \\x + y &= 6\end{aligned}$$

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$



## Core- Create your revision cards with these exam style questions



### Core 1

### Topic: Simultaneous Equations (Elimination)

#### Question 1

Find the value of  $x$  and  $y$ .

$$\begin{aligned}3x + y &= -4 \\3x - 4y &= 6\end{aligned}$$

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

Grade  
**4** (3 Marks)

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



## Core 2

## Topic: Simultaneous Equations (Elimination)

### Question 2

Find the value of  $x$  and  $y$ .

$$\begin{aligned}4x + 2y &= 11 \\5x + 4y &= 13\end{aligned}$$

$$\begin{aligned}x &= \underline{\hspace{2cm}} \\y &= \underline{\hspace{2cm}}\end{aligned}$$

Grade  
**5** (4 Marks)

## Core 3

## Topic: Simultaneous Equations (Elimination)

### Question 3

Find the value of  $x$  and  $y$ .

$$\begin{aligned}2x - 4y &= 19 \\3x + 5y &= 1\end{aligned}$$

$$\begin{aligned}x &= \underline{\hspace{2cm}} \\y &= \underline{\hspace{2cm}}\end{aligned}$$

Grade  
**5** (3 Marks)

### Question 4

Three teas and two coffees have a total cost of £7.80.

Five teas and four coffees have a total cost of £14.20.

Work out the total cost of one tea and the cost of one coffee.

Tea = \_\_\_\_\_  
Coffee = \_\_\_\_\_

Grade  
**5** (4 Marks)

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

### Question 1

Find the value of  $x$  and  $y$ .

$$\begin{aligned} 3x - y &= 7 \\ 3x + 2y &= 4 \end{aligned}$$

$x =$  \_\_\_\_\_  
 $y =$  \_\_\_\_\_

Grade  
**4** (3 Marks)

## Let's Do It!

## Topic: Simultaneous Equations (Elimination)

### Question 2

Find the value of  $x$  and  $y$ .

$$\begin{aligned}3x + 2y &= 10 \\2x - y &= 9\end{aligned}$$

$$\begin{aligned}x &= \underline{\hspace{2cm}} \\y &= \underline{\hspace{2cm}}\end{aligned}$$

Grade  
**5** (3 Marks)

## Let's Do It!

## Topic: Simultaneous Equations (Elimination)

### Question 3

Find the value of  $x$  and  $y$ .

$$\begin{aligned}4x - 2y &= 11 \\5x + 3y &= 5.5\end{aligned}$$

$$\begin{aligned}x &= \underline{\hspace{2cm}} \\y &= \underline{\hspace{2cm}}\end{aligned}$$

Grade  
**5** (3 Marks)

### Question 4

Rosie paid a total of £13 for four sandwiches and two crisp packets from shop A.

Amy paid a total of £9 for six sandwiches which included a refund for four crisp packets, from the same shop A.

How much did one sandwich and one crisp packet cost in Shop A?

Sandwich = \_\_\_\_\_

Crisp packet = \_\_\_\_\_

Grade  
**5** (4 Marks)

**Congratulations. You have completed this topic.**

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