

Advanced Formulae

Week 13

Lesson Time : 15 - 20 Minutes

Course : Higher

Grade : 7

Back to Basics

Core

Let's Do It!

GCSE Revision Video 65

- **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.

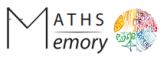
Create your OWN revision cards when prompted on the worksheet(Back to Basic and Core sections).



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

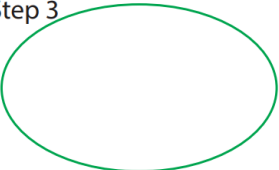
Self Assess yourself (Out of 10) on your revision planner after you have completed the revision video.


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.

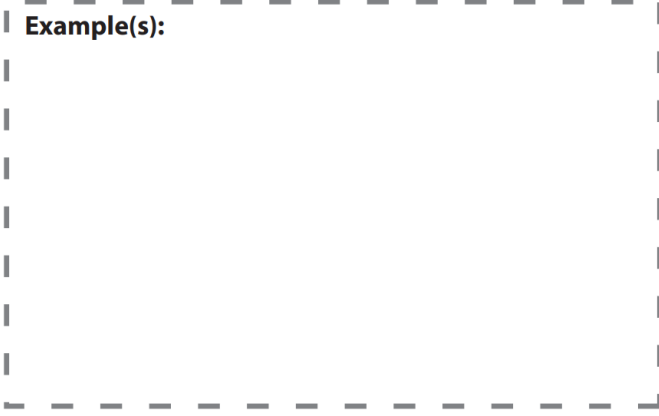
**Maths Memory**

Learn:
 Applying Factorising
 Applying Fractions

Step 3


Step 2


Step 1


Example(s):


Topic: Advanced Formulae
Date/week:

GRADE
6/7

Back to Basics- Starter questions to warm you up



Back to Basics

Topic: Advanced Formulae

Question 1

Make x the subject

$$4x + y = z - x$$



Question 2

Make x the subject

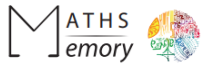
$$\Pi - 2x = y$$

Question 3

Make x the subject

$$\frac{2}{1-x} = y$$

Core- Create your revision cards with these exam style questions



Core 1

Topic: Advanced Formulae

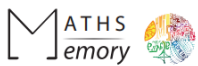
Question 1

Make x the subject

$$y = \sqrt{\frac{x^3 + 1}{2}}$$

Grade (3 Marks)

6



Core 2

Topic: Advanced Formulae

Question 2a

Make x the subject

$$\pi x + 4x = y$$

Grade (3 Marks)

6

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



Question 2b

Make x the subject

$$\pi x - y = 5x + 2$$

Grade (3 Marks)

6

Question 3a

Make x the subject

$$\frac{4 - x}{x - 3} = y$$

Grade

7 (4 Marks)

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

MATHS
emory

My Tool Kit

Topic: Grade:

B

Challenge

Topic: Advanced Formulae

Question 3b

Make x the subject

$$\frac{1}{x} + \frac{3}{y} = \frac{2}{z}$$

Grade

7 (4 Marks)

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

Let's Do it!

Topic: Advanced Formulae

Question 1

Make x the subject

$$5x + y = \pi x$$

Grade (3 Marks)

6

Question 2Make x the subject

$$\frac{4x}{x+1} = y$$

Grade (3 Marks)**7****Question 3**Make x the subject

$$y = \sqrt{\frac{\pi - x}{x - 4}}$$

Grade (3 Marks)**7**

Congratulations. You have completed this topic.

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