GCSE Revision Video 38

- **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.

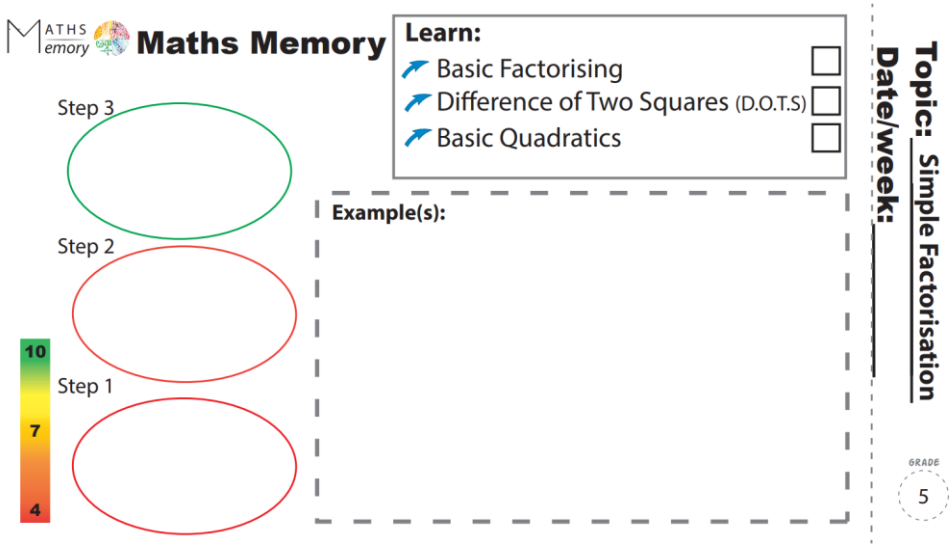
Create your OWN revision cards when prompted on the worksheet (Back to Basic and Core sections).

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.



Back to Basics- Starter questions to warm you up

MATHS emory **Back to Basics** **Topic:** Simple Factorisati

Question 1
Factorise

a) $4x - 6$

b) $10x^2 + 15x$

c) $8x - 12x^2y$

d) $x^2 - 9$

e) $x^2 - y^2$

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

Core- Create your revision cards with these exam style questions

MATHS emory

Core 1

Topic: Simple Factorisatior

Question 1

a) Factorise $12x^2+15xy$

b) Factorise $18x^2y^3 - 12xy^2$

Grade 5 (3 Marks)

MATHS emory

Core 2

Topic: Simple Factorisation

Question 2

a) Factorise $9x^2-16y^2$

b) Factorise $36 - 144y^2$

Grade 5 (3 Marks)

MATHS emory

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

MATHS emory

Core 3 Topic: Simple Factorisation

Question 3

a) Factorise $x^2 + x - 6$

b) Factorise $\dfrac{x^2 - 5x + 6}{x^2 - 9}$

Grade 5 (5 Marks)

MATHS emory

Challenge Topic: Simple Factorisation

Question 4

Factorise

a) $2(p+q)^2 - 4(p+q)$

b) $\dfrac{12(p+q)^3}{4(p+q)}$

Grade 5 (4 Marks)

MATHS emory

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

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

MATHS emory **Let's Do it!** **Topic:** Simple Factorisation

Question 1

Factorise

a) $12x^2 - 18xy$

b) $25 - x^2$

Grade 5 (2 Marks)

MATHS emory **Let's Do it!** **Topic:** Simple Factorisation

Question 2

Simplify

a) $\dfrac{x^2 + x - 12}{x^2 - 9}$

Grade 5 (3 Marks)

MATHS emory

Question 3

Simplify

a) $\dfrac{4x^2 - 8x}{x^2 + 10x - 24}$

Grade 7 (2 Marks)

Congratulations. You have completed this topic.

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