

Recurring Decimals

Week 12

Lesson Time : 15 - 20 Minutes

Course : Higher

Grade : 6 / 7

Back to Basics

Core

Let's Do It!

GCSE Revision Video 56

- **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.

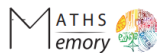
iCreate your OWN revision cards when prompted on the worksheet (Back to Basic and Core sections).

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.

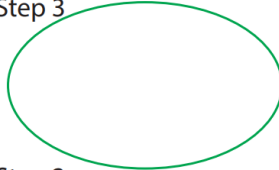
WATCH this revision video and **MANY** others on our **FULL** courses at www.mathsmemory.co.uk


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


MATHS
emory  **Maths Memory**

Learn:

-  Basic Recurring Decimals
-  Advanced Recurring Decimals

Step 3 

Step 2 


Step 1 

Example(s):

Date/week: _____

Topic: Recurring Decimals

GRADE
6/7



Back to Basics- Starter questions to warm you up



Back to Basics

Topic: Recurring decimals

Question 1

a) Change $\frac{3}{8}$ into a decimal.

b) Prove that $0.\dot{2}\dot{7} = \frac{3}{11}$



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

My Tool Kit

Topic: _____ Grade: _____

A

Core- Create your revision cards with these exam style questions



Core 1

Topic: Recurring decimals

Question 1

a) Convert $0.25\dot{4}$ into a fraction.

Grade

6 (3 Marks)



Question 2

Prove algebraically that $0.4\dot{3}\dot{6}$ can be written as $\frac{24}{55}$


Grade
7 (3 Marks)

Question 3

Express $0.32\dot{6}$ as a fraction in its simplest form.

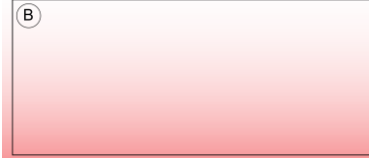
Grade
7 (3 Marks)

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

 **My Tool Kit**

Topic: _____ Grade: _____

B



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



Let's Do It!

Topic: Recurring decimals

Question 1

Express $0.\dot{2}5\dot{9}$ as a fraction in its simplest form.

Grade

6 (3 Marks)



Question 2

Prove algebraically that $0.4\dot{1}\dot{6}$ can be written as a fraction, in its simplest term.

Grade
7 (3 Marks)

Congratulations. You have completed this topic.

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