Revising for MATHS

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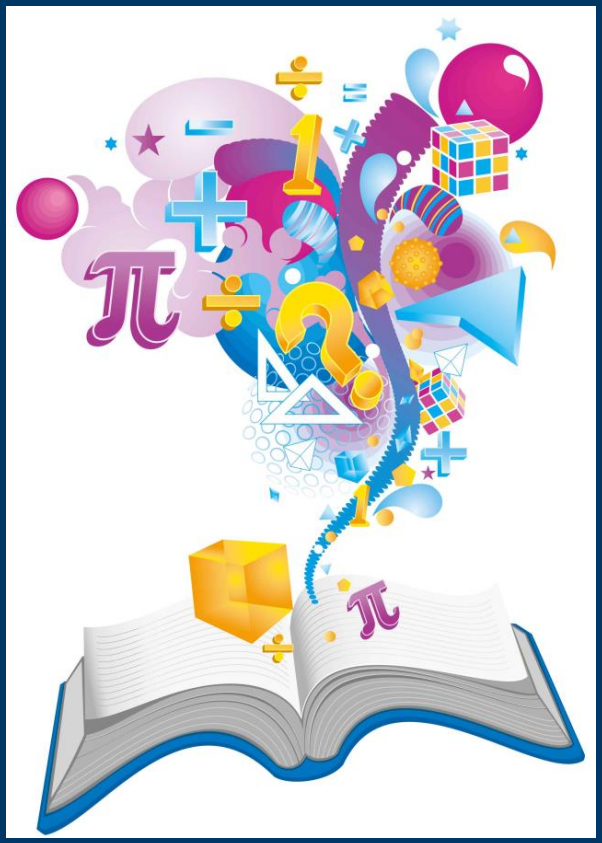

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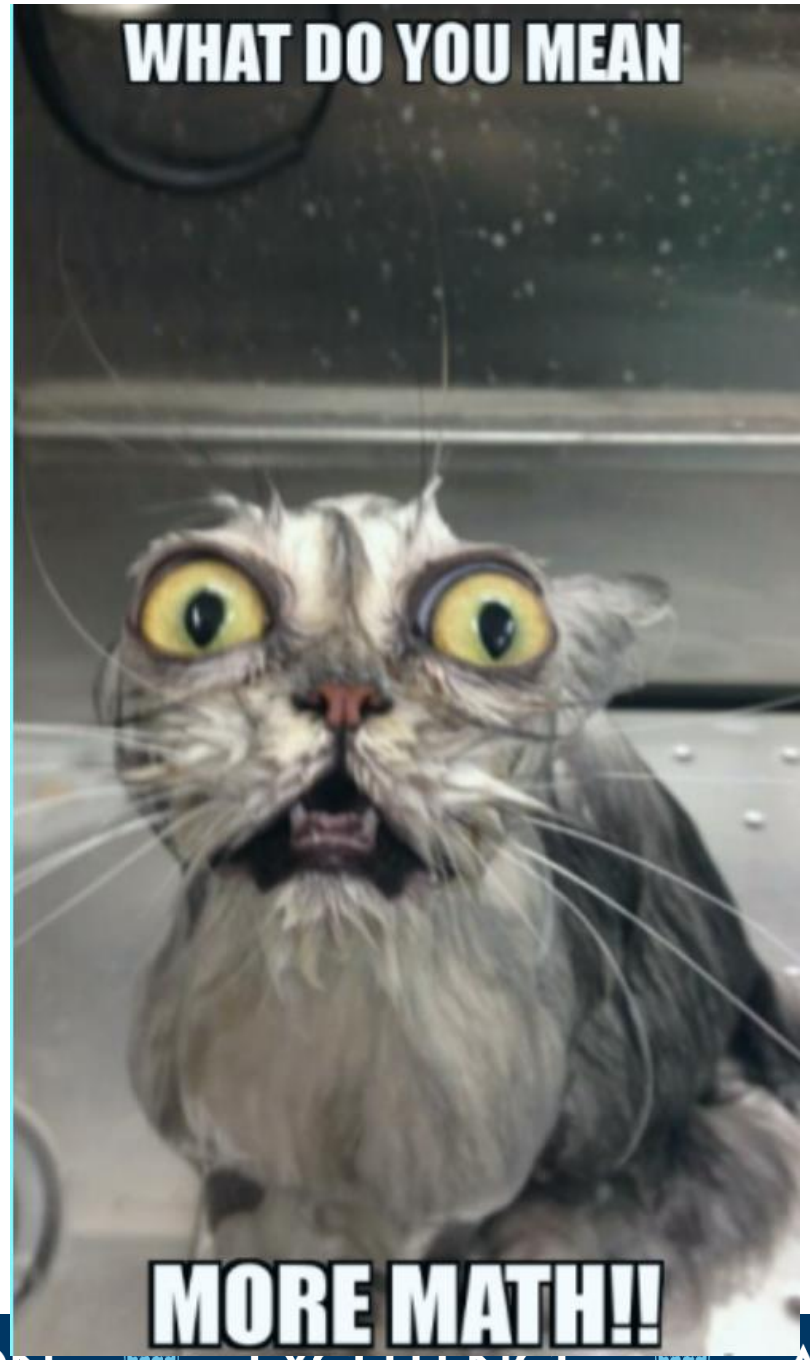

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MATHS

- Consists of 3 papers
- 1x non-calc, 2 x calc
- Each paper is 1 hour 30 minutes long
- 80 marks (a total of 240 marks).
- AQA

- Foundation (1-5) V Higher (3-9)

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MATHS CONTENT ASSESSED

- 1 Number
- 2 Algebra
- 3 Ratio, proportion and rates of change
- 4 Geometry and measures
- 5 Probability
- 6 Statistics

A mix of question styles, from short, single-mark questions to multi-step problems. The mathematical demand increases as a student progresses through the paper.

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POSITIVITY

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A proactive approach is needed.

This means doing maths on a regular basis.

(Little and often is better than cramming).

This can be

- topic based;
- mixed or
- past papers

PRACTICE, PRACTICE, PRACTICE!

- Know the areas to develop – work on these rather than reviewing what is already known.

- Complete exam papers to develop your exam skills.

PRACTICE, PRACTICE, PRACTICE!

- For each question you complete – in class and out ……

Treat each and every question like a real exam question – this will help them get better at transferring their knowledge and skills from their head, to paper.

It will also help them present their work in a logical and neat manner;

(which may increase the amount of marks awarded)

MEMORY/RETENTION

- Create a cheat sheet with all key information – (topic based or all key rules/formula).
- Use a revision guide/cards at first, then try to replicate the cheat sheet unaided so they remember the key info without any prompting.

- Create flash cards with key information – get someone to test you to help develop quick recall.

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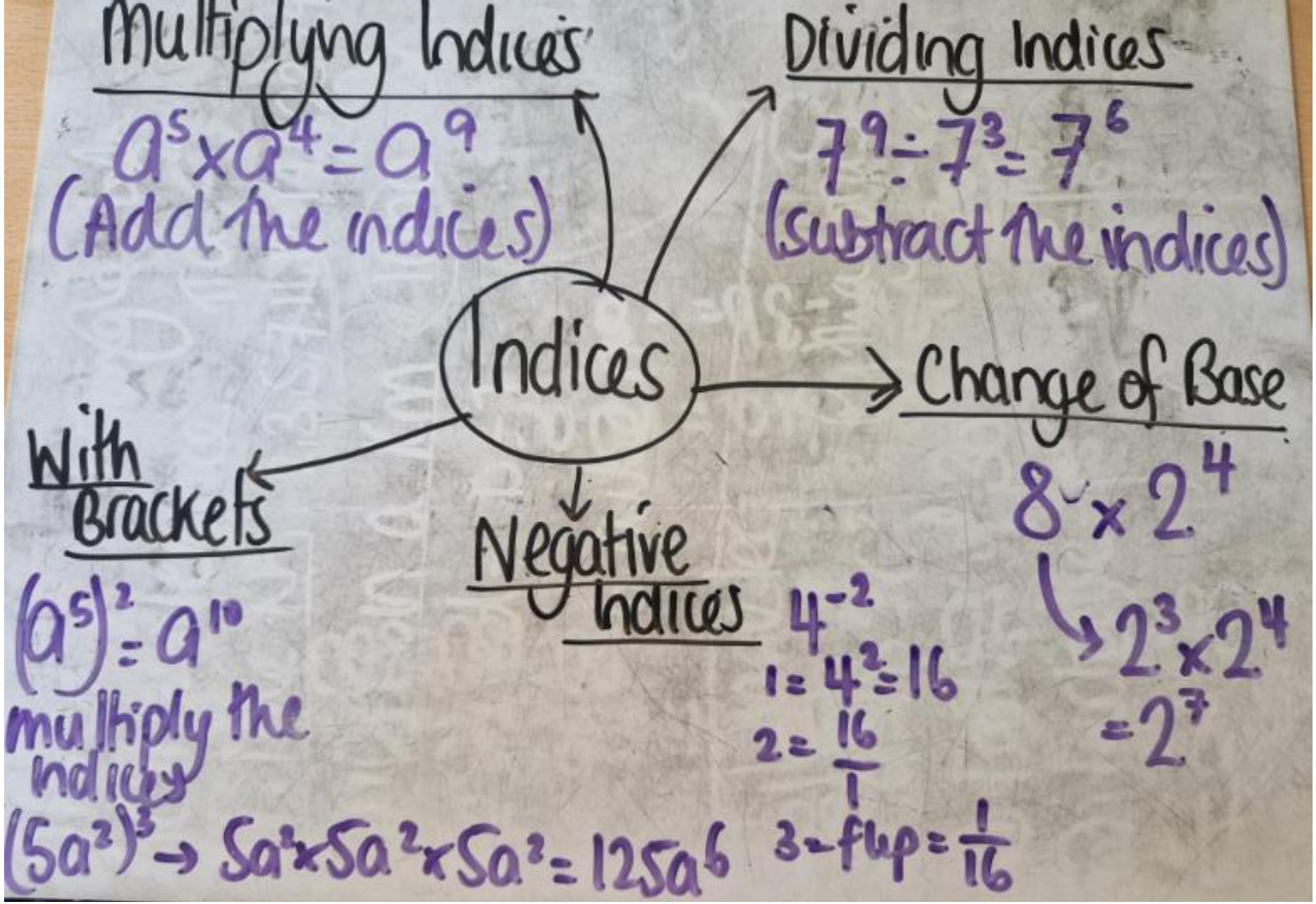

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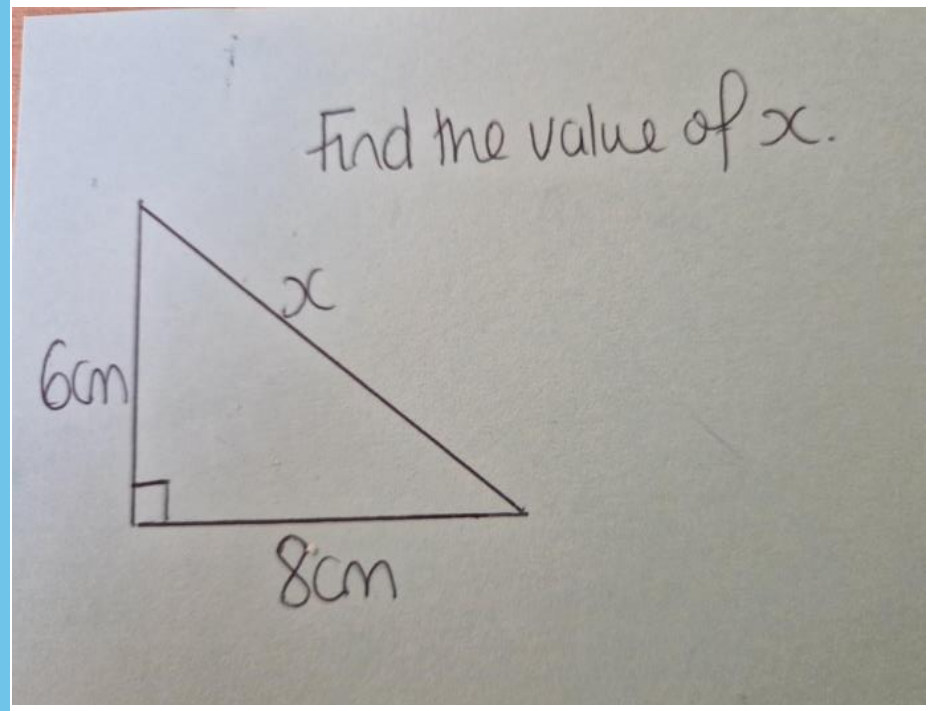
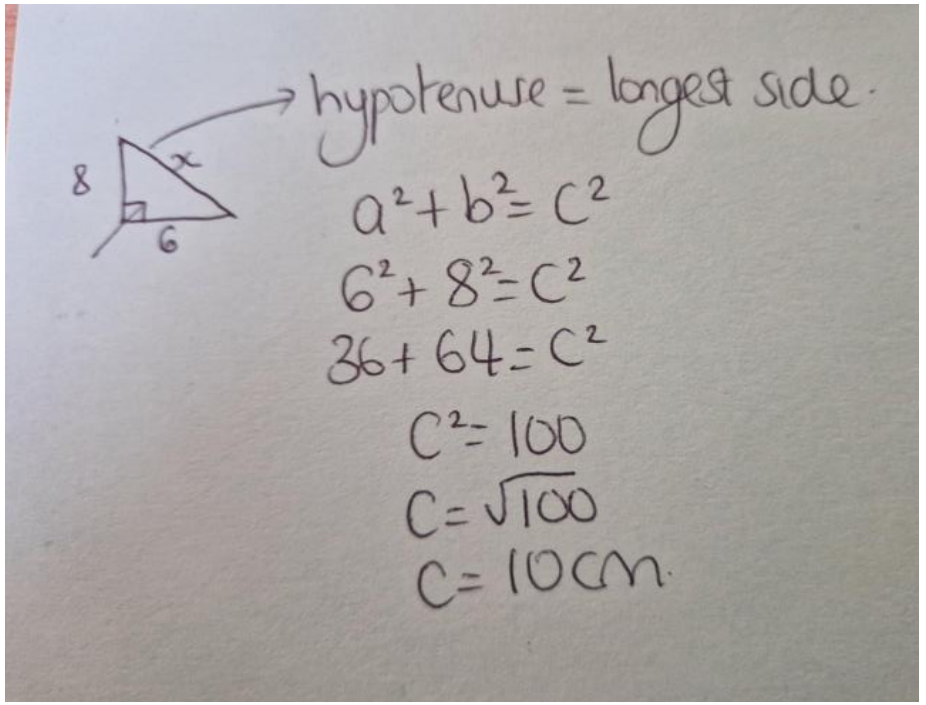
https://reviseonline.pearson.com/subjects/AQMF

FLASH CARDS – EXAMPLES OR KEY FACTS





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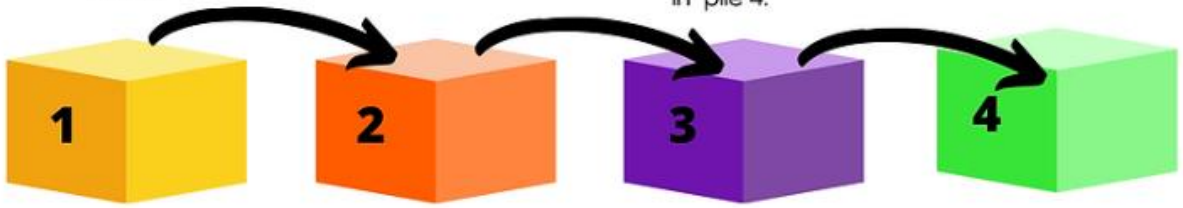
Introducing the Leitner System

All flash cards start off in pile 1 . As you review the cards, each card you answer **correctly** goes into pile 2.

If you give the wrong answer the card stays in pile 1.

When you review cards in pile 2, if you **get it right** you move the card to pile 3 and so on until all cards are in pile 4.

If you answer a card incorrectly in any pile it moves back to pile 1 for you to go over again.



The whole idea behind the system is that flashcards you answer incorrectly are revised more frequently . This is the perfect way to focus your revision.

You can choose the frequency that you revise each pile however, a suggestion is:

- Pile 1: Every day
- Pile 2: Every 2 days
- Pile 3: Every 3 days
- Pile 4: Every 4 days

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CALCULATORS

KNOW the CALCULATOR!

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UNDERSTANDING WHAT THE QUESTION IS ASKING AND UNDERSTANDING THAT IS EXPECTED.

- Know what different command words mean.

Common command words are:

Write/state = give a brief answer

Calculate/Find/Solve/Evaluate = work out (these will always have method marks attached).

Explain = give a written reason for your answer.

Show = provide structured evidence.

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SPECIFIC MATHS COMMAND WORDS

- Factorise
- Expand
- Simplify
- etc

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UNDERSTANDING WHAT THE QUESTION IS ASKING.

- Use the number of marks as a guide to the amount of time to spend on a question.
- Always show ALL of your working out – method marks can frequently be awarded despite an incorrect answer - therefore there is no excuse for leaving questions blank.
- Include appropriate units and round to specified amounts.
- Check answers are sensible.

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USEFUL WEBSITES

- Corbett maths = videos, practice questions and exam questions
- Mr Morley maths = videos + note taking sheets (mini lessons)
- Maths Genie = videos and exam questions
- Maths made easy
- Dr Frost = videos and practice/exam questions.

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Top Tips for Effective Maths Revision.

Practice, Practice, Practice.

The best way to revise maths, is to do maths!

How:

1. Past papers
2. Mixed topic exam questions.
3. Topic based exam questions

(Know the topic areas that need further development – complete questions on these areas … don't ignore them).

Revision/Flash Cards

Re-test previously learnt topics to keep it fresh.

1. Make revision cards with model answers (The Q on the front and answer on the back).
2. Answer the question again at a later date and check the answer.
3. If incorrect, re-test again the next day, if correct, test again in a week or two.

Cheat Sheets

Remember key formula and facts.

1. Create a mindmap with formula, rules and facts using revision cards, revision guides and classwork.
2. Try to recreate this – use the original to fill any gaps.
3. Repeat until the exams

Over time, you'll remember more and be able to retrieve it more quickly.

Scientific Calculators

Know what the calculators can and cannot do!

- Bring it every lesson.
- Understand how to input all calculation types.
- Know what the key functions are.

Understand what the Question is Asking.

Read questions through fully be starting to ensure understanding of what is being asked.

- Understand command words.
- Include all working out to be awarded method marks.
- Include units where appropriate.
- Check answers are sensible.

General Guidance

- Treat every practice exam question like it's the real thing.
- Explain and discuss methods to others.
- Use the amount of marks as a guide to time spent on each question.
- Attend revision sessions after school.