Y7&8 INFORMATION EVENING

MATHEMATICS

MATHS AT NOTRE DAME

- KEY MESSAGES FOR STUDENTS
- HABITS THAT LEAD TO SUCCESS
- PRACTICAL SUPPORT

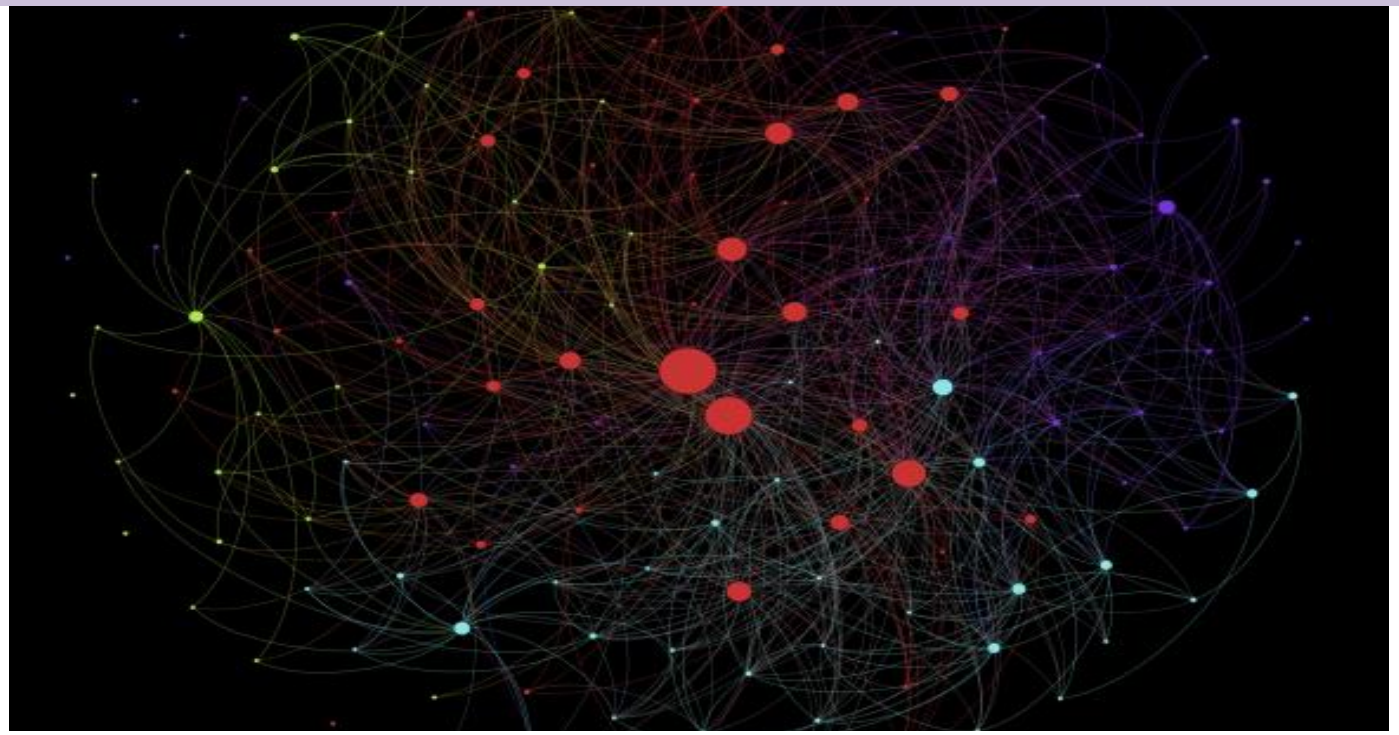
1. YOU WILL IMPROVE IF YOU PRACTICE

Think about things that you can do that this baby cannot

2. BE OPEN TO AND ACT UPON ADVICE

What happens when you go to the doctor?

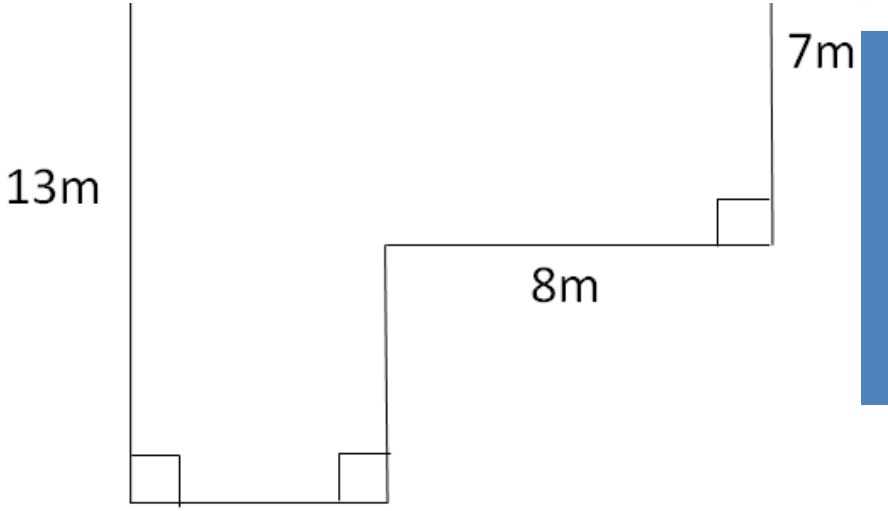
3. WE NEED TO PRACTICE THINGS THAT YOU HAVE DONE IN PRIMARY

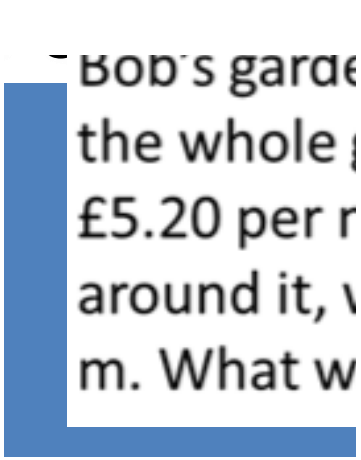


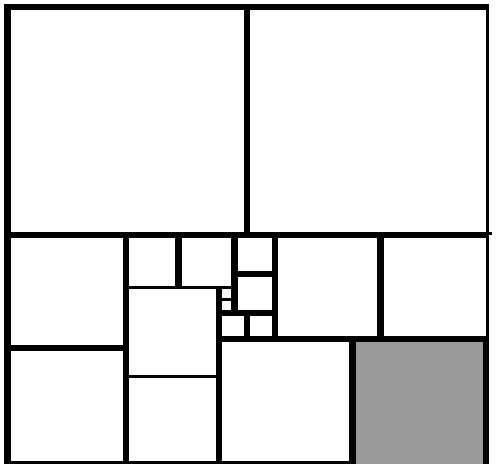
Which are the most important maths skills?

EXAMPLE

[JMC 2008 Q25] A large square is divided into adjacent pairs of smaller squares with integer sides, as shown in the diagram (which is not drawn to scale). Each size of smaller square occurs only twice. The shaded square has sides of length 10. What is the area of the large square?







4. MATHS IS ABOUT BEING CERTAIN (NOT ANSWERS)

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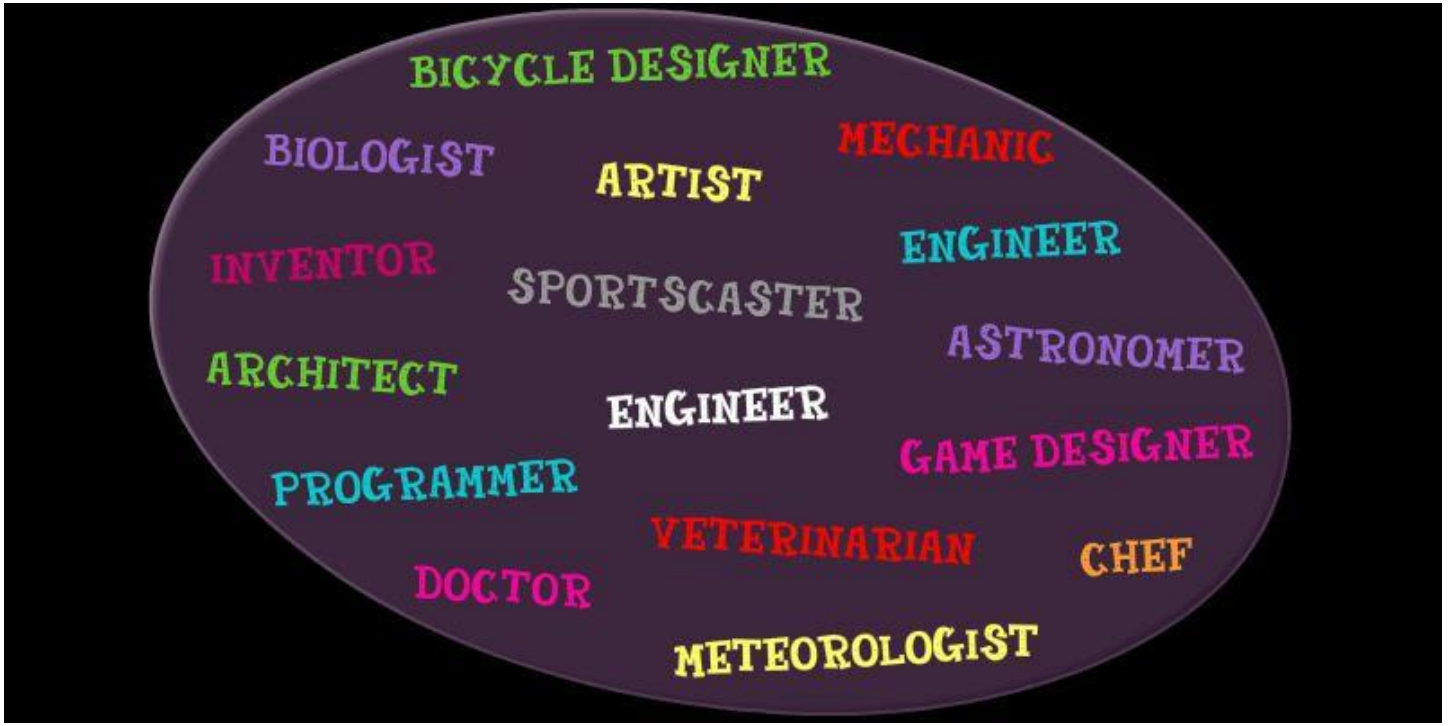
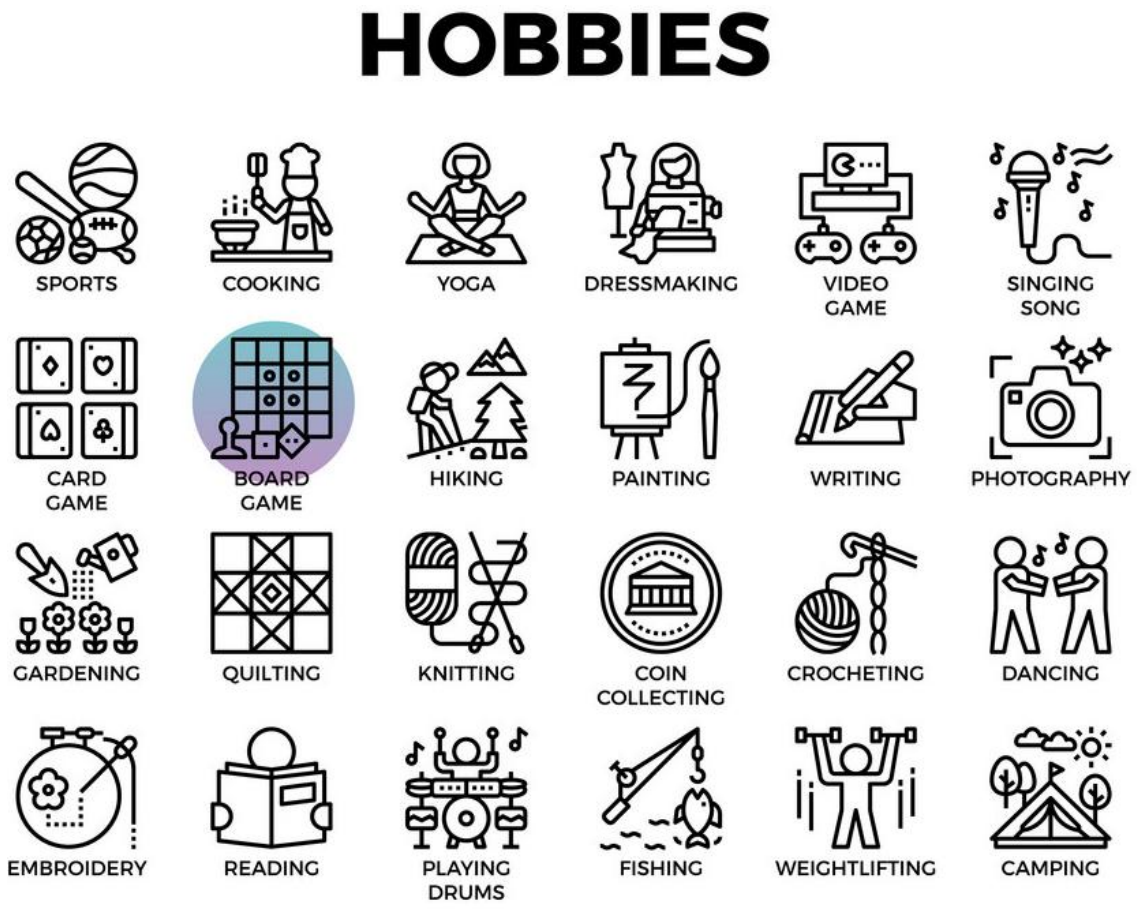


5. YOU LIKE WHAT YOU'RE GOOD AT



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HABITS FOR LEARNING MATHS

- MATHS IS LEARNED THROUGH EXAMPLES. STUDENTS NEED TO BE THINKING ABOUT HOW THEY WOULD DEAL WITH EVERY EXAMPLE, NOT JUST WHEN THEY ARE ASKED

- WORKING OUT HELPS WITH MORE DIFFICULT QUESTIONS, AND IT HELPS TEACHERS TO DIAGNOSE MISTAKES.

- PRACTICE WRITING CLEAR SOLUTIONS. AS THE MATHS GETS HARDER, THOSE WHO RELY ON MENTAL METHODS START TO STRUGGLE.

HABITS FOR LEARNING MATHS

- RESILIENCE IS SOMETHING WE HAVE TO LEARN, AND BUILD UP SLOWLY.
- WE MOSTLY MODEL THE THINKING THAT STUDENTS NEED TO USE.
- BUT SOMETIMES, WE NEED TO LET THEM THINK FOR A MINUTE OR TWO BEFORE GIVING GUIDANCE

Jon has 78p

Nat has £3.52

Nat gives Jon some money so that they both have the same amount.

How much does Nat give Jon?

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REVISION FOR TESTS

- STUDENTS WILL DO A TEST EVERY HALF TERM.
- THEY WILL BE PROVIDED WITH A PRACTICE TEST TO HELP THEM PREPARE
- IT IS HELPFUL FOR THEM TO TRY THE QUESTIONS ON THEIR OWN BEFORE LOOKING AT THE ANSWER

EXTRA PRACTICE

- WE WILL USUALLY SET HOMEWORK ON THE WEBSITE DRFROSTMATHS.COM
- STUDENTS CAN ALSO PRACTICE HERE INDEPENDENTLY – A 30 MINUTE WEEKLY PRACTICE AT HOME WOULD HAVE CONSIDERABLE BENEFITS
- YOU WILL HAVE GOT AN EMAIL FROM SCHOOL WITH LOG IN DETAILS – I'D LIKE TO SHOW YOU A COUPLE OF THINGS NOW AND GIVE YOU CHANCE TO TRY.