



Batley Girls' High School

Visual Arts College

Achievement • Respect • Transformation

Mathematic department

Year 6 transition task

What is in your age?


Task 1

How many days old will you be when you start year 7 on Tuesday 8th September 2020?


Hints and tips to help you:

A poem...

Thirty days hath September,
April, June, and November;
All the rest have thirty-one,
Excepting February alone,
And that has twenty-eight days clear
And twenty-nine in each leap year.



365 days in a
year



A leap year has 366 days
and happens every 4 years...

2012, 2016, 2020

How many days has it been since your last birthday?

Write down how you calculated your age in days.

Challenge task: Can you come up with a general rule for calculating your age in days?

Task 2

Once you have calculated your age in days can you now:

- 1) Write your age in words (e.g. 1234 is written as one thousand two hundred and thirty-four)
- 2) How many tens are there?
- 3) Round your age to the nearest hundred.
- 4) Is your age in days an odd or even number?
- 5) Is your age divisible by 3? What numbers is your age divisible by?
- 6) Is your age in days a prime number? Explain how you know?
- 7) Is your age a square or cube number?

Task 3

Work out what year in school you will be when you are 5000 days old.

Task 4

Captain Sir Tom Moore turned 100 years old on the 30th April 2020, how many days old is this?

Bring your answers with you when you come to school in September.

We look forward to seeing you then.

A REALLY IMPORTANT THING TO DO

LEARN YOUR TIMES TABLES AND KEEP PRACTISING!!!

Get a head start: Grand master apprentice sheet on the next page

<http://www.timestables.me.uk/>

Useful websites

BBC bitesize <https://www.bbc.co.uk/bitesize/subjects/zqhs34j>

Nrich <https://nrich.maths.org/> problem solving and puzzles

Ninja Maths https://www.numeracyninjas.org/?page_id=165 focus sheets to help you with your numeracy skills

Grand master challenge

Earn badges and certificates when you start in September.

Complete this challenge, you have 10 minutes. You must get everything correct. Keep practising!



Apprentice Level Challenge practice sheet

Name:

Date:

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$12 \times 7 =$	$12 \times 8 =$	$12 \times 9 =$	$12 \times 10 =$	$12 \times 11 =$	$12 \times 12 =$

In September, earn a green badge when you complete this in class.

We look forward to seeing you! 😊