



**ISAAC NEWTON**  
**ACADEMY**

# **KS1 Maths SATs Workshop**

**Thursday 26<sup>th</sup> January  
2017**

- To gain an insight into the KS1 SATs papers for Maths
- To gain an understanding of the National Curriculum Assessments
- To give ideas for supporting your child at home

# SATs Information

- The tests will be sat in May
- There are two papers: Paper 1 Arithmetic (20 minutes) & Paper 2 Reasoning (35 minutes) but the timings are not strict
- Children will be expected to work on the tests independently however questions (but not symbols) can be read out pupils if required
- It is at the schools discretion if we feel the test are inappropriate for your child and will consult with parents beforehand if this is the case
- Whilst we want the children to do well, we want them to feel that the tests are just a normal part of what we do at INAP

# Assessment Marks

- The tests are marked internally by schools
- Paper 1 carries 25 marks
- Paper 2 carries 35 marks
- Totalling 60 marks
- This total is known as the raw score
- The raw score is then converted into a scaled score
- A scaled score of 100 represents the ‘expected standard’ a child working at an age related expectation.
- Pupils need to be achieving about 37+ marks to have a scaled score of 100 and about 47+ to have a scaled score of around 105 and to be considered to be working at greater depth.

$$35 \div 5 = \boxed{\phantom{000}}$$

$$\frac{1}{2} \text{ of } 30 = \boxed{\phantom{000}}$$

$$\frac{3}{4} \text{ of } 40 = \boxed{\phantom{000}}$$



2p



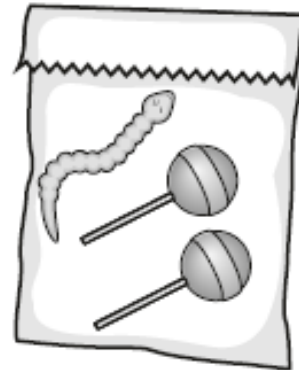
5p



10p

Abdul spends exactly **20p** on sweets.

Tick (✓) the bag of sweets he buys.



Amy makes **20** cakes.

She shares the cakes between **5** plates.

Tick the calculation that shows how many cakes are on each plate.



Tick **one**.

$20 + 5 = 25$

$20 - 5 = 15$

$20 \div 5 = 4$

$20 \times 5 = 100$

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{2}{4}$$

$$\frac{3}{4}$$

Circle the **two** fractions that are **equal**.

Complete the number sentence below.

$$3 \times 8 = 2 \times \square$$



# Areas of Maths

- Subtraction, addition, multiplication and division
- Knowing the inverse (opposite operation)
- Fractions –  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ ,  $\frac{1}{3}$
- Time – knowing the time: o'clock, half past, quarter past and quarter to and for greater depth to the five minutes
- Language – least, most, more than, less than
- Money – knowing how to make an amount by using different coins
- Data handling – tally charts, graphs, charts, tables
- Properties of shapes, symmetry
- Number lines and number sequences – increasing and decreasing
- How many altogether, how many if shared equally between
- Clockwise and anti-clockwise turns
- Weight and scales

# How to support at home

- ❖ Mathematics home learning is issued every Friday to Year 2 pupils; whilst we want you to get involved and support your child, we don't want you doing the home learning *for* them.
- ❖ Use every opportunity to ask your child questions and to explain their **reasoning** to you.
- ❖ Use every opportunity to ask your child arithmetic problems
- ❖ Look for maths around you. Telling the time, finding half or a quarter of something, number plates game, the days in a month, months of the year, talking about money or the coins needed to pay for items, how long things take to cook, amounts eg. quarter of the cake etc.
- ❖ GROWTH MINDSET – everyone of us can master mathematics given the opportunity.

## Find Out More

- <http://www.mathematicsmastery.org/>
- <http://www.mathematicsmastery.org/our-programme/primary-resources/>

## Other Useful Website Links

<http://www.gov.uk/government/publications/2016-teacher-assessment-exemplification-ks1-mathematics>

[http://www.satspapers.org.uk/SATs\\_Papers/KS1\\_Maths](http://www.satspapers.org.uk/SATs_Papers/KS1_Maths)

## Other Useful Resources

- Inspire Books
- Maths in Focus
- CGP SATs Practice Papers