



**ISAAC NEWTON**  
**ACADEMY**

# **KS1 Maths SATs Workshop**

**Wednesday 24th 2022**

- 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.

# Scaled Scores

- An example of scaled scores is shown here.

## Mathematics

Raw score	Scaled score
0 - 2	No scaled score
3	85
4	85
5	85
6	85
7	86
8	87
9	87
10	88
11	89
12	89
13	90
14	91
15	91
16	92
17	92
18	93
19	93
20	94
21	94
22	95
23	95
24	96
25	96
26	96
27	97
28	97
29	98
30	98

31	99
32	99
33	99
34	100
35	100
36	101
37	101
38	102
39	102
40	103
41	103
42	103
43	104
44	104
45	105
46	105
47	106
48	107
49	107
50	108
51	108
52	109
53	110
54	111
55	112
56	113
57	114
58	115
59	115
60	115

- If a pupil got 29 marks they would get a scaled score of 98 – which would mean they are working toward.
- Please note that these scaled scores do change each year so a score of 34 wouldn't necessarily mean that a pupils will be working at age related

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

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

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



2p



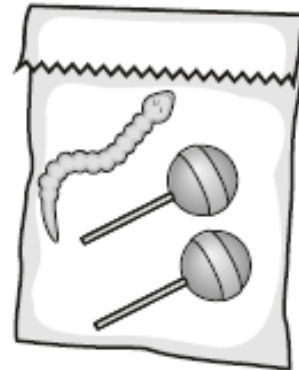
5p



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

### 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)

<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-1/subjects/maths>

### Other Useful Resources

- Inspire Books
- Maths in Focus
- CGP SATs Practice Papers
- Oak National Academy

# Useful tools

