

# KS2 SATS MAY 2020

#### The Olive School Hackney

'Nurturing Today's Young People, inspiring tomorrow leaders'

KS2 SATS Guidance for Parents 2020

#### **Maths**

Numeracy is broken down into 3 papers. They are:

- Paper 1 Arithmetic (30 minutes)
- Paper 2 Reasoning paper (40 minutes)
- Paper 3 Reasoning paper (40 minutes)

## Maths Scaled Scores from 2019.

A raw score (actual score) of 58/110 counts as a pass.

95 and above is a scaled score of 110 which is a Greater Depth.

Raw	Scaled
score	score
	No
0 - 2	scaled
	score
3	80
4	80
4 5 6 7	80
6	81
	82
8	82
9	83
10	84
11	84
12	85
13	85
14	86
15	86
16	87
17	87
18	88
19	88
20	89
21	89
22	89
21 22 23	90
24	90
25	91
26	91
27	91
28	92
29	92

30	92
31	92
32	93
33	93
34 35	93
35	94
36	94
37	94
38	95
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41	95
40 41 42 43 44	96
43	96
44	96
45	96
45 46 47 48 49	97 97
47	97
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51 52 53	98
54	99
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56 57	99
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59	100
60	100

61	100
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67	102
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90	108
91	108

92	109
93	109
94	109
95	110
96	110
97	110
98	111
99	111
100	112
101	112
102	113
103	113
104	114
105	115
106	116
107	117
108	118
109	120
110	120

## Paper 1 - Arithmetic

This arithmetic paper is made up of around 36 number-focused questions, that challenge pupils to use addition, subtraction, multiplication and division. In this paper, children will be required to use percentages, fractions and decimals too.

## Paper 1 - Arithmetic

The paper is out of 40 marks. Children should aim to achieve a score from 35-40 in order to give them a better chance at gaining a higher scaled score when all three papers have been combined together.

For example, if a child scores the following:

Paper 1 – 37/40

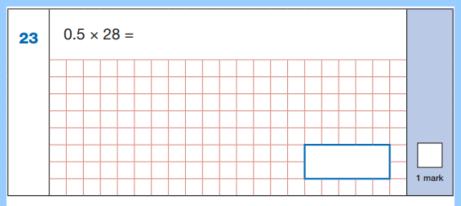
Paper 2 – 25/35

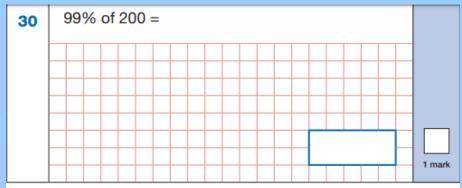
Paper 3 - 23/35

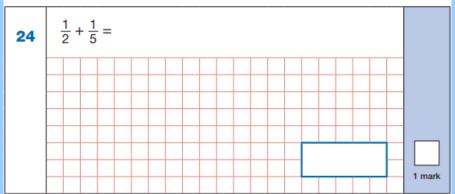
Total: 85/110

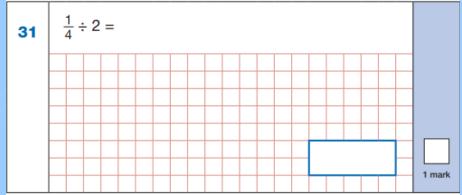
Scaled Score: 106 (EXS)

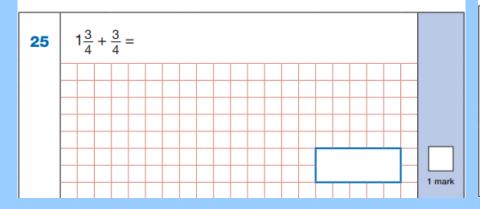
### **Arithmetic**

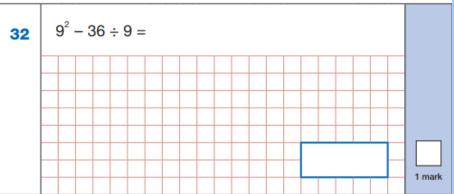




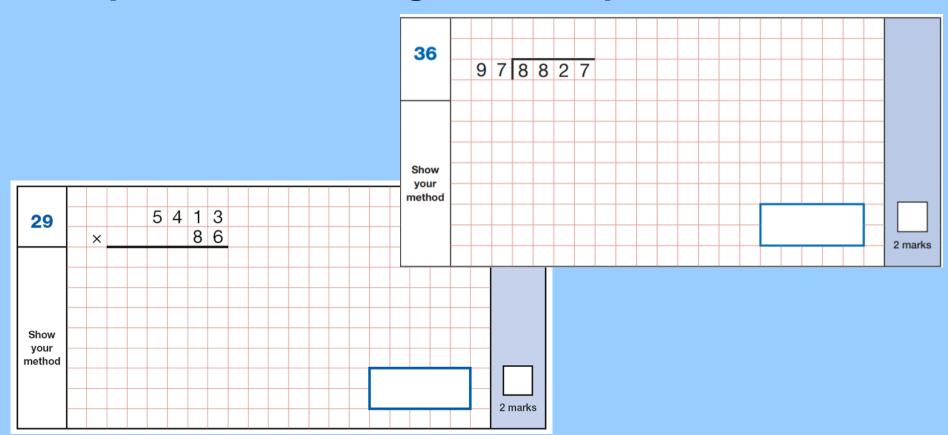








Approximately, 2/3 questions in the Arithmetic paper will be out of 2 marks. This is because they would like children to show their method of calculation. 2 mark questions are for multiplication and long division questions.



## Paper 1 - Arithmetic

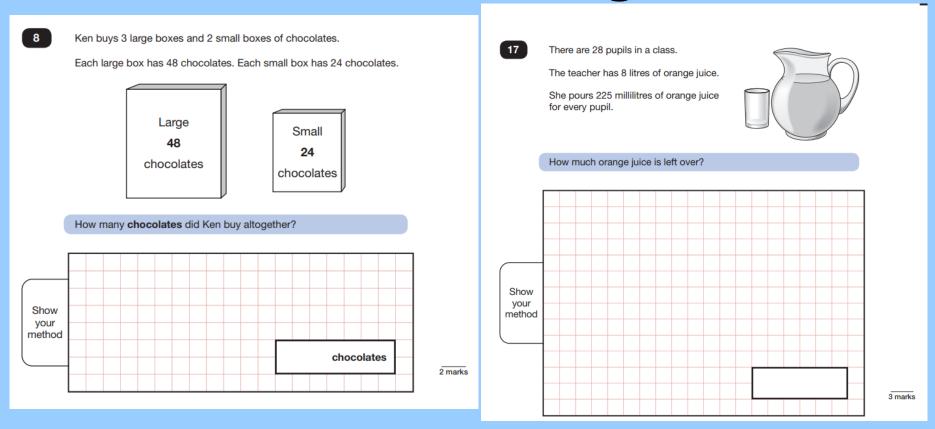
#### How can you help your child?

In Numeracy, is it a particular area of the subject that they haven't got the hang of yet? Do they know their times tables well enough? Are they weaker at subtraction than addition? There are lots of ways you can help boost their maths skills so they feel confident and ready to sit Paper 1. Establish the area they need to work on and work around this as much as possible.

## Paper 2/3 - Reasoning

- Paper 2 reasoning (40 minutes)
- Paper 3 reasoning (40 minutes)

Both of these reasoning papers consist of around 20 problem-solving questions, in which children must show solid mathematical knowledge by solving various problems and puzzles.



Children are expected to present their working out in the spaces provided for questions like these. Some questions are out of 2 marks whilst others are out of 3 marks. Please encourage your child to show their working out as if they get the wrong answer, they have a chance of being awarded at least 1 mark based on their working out.

A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

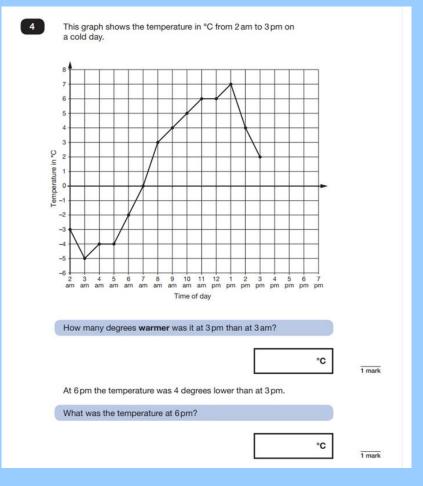
Tick one.

number of tickets × 3 + 24

number of tickets × 24 + 3

number of tickets + 3 × 24

number of tickets + 24 × 3



Usually, paper 2 is a lot more easier than Paper 3. Some questions are more simple and require children to tick from a list of options whilst others will require them to just write a simple answer.

## Maths Reasoning Topics that will come up?

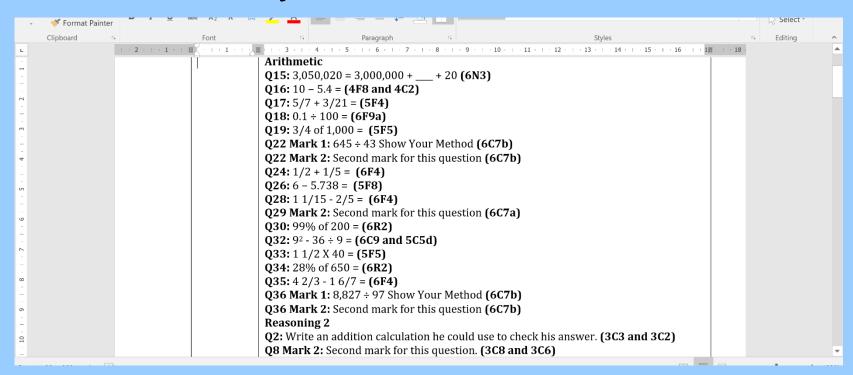
Children will be tested on everything they have touched on during Key Stage 2. These could be:

- Statistics
- Geometry position and direction
- Algebra
- Measurement
- Ratio and proportion
- Number fractions, decimals and percentages
- Number addition, subtraction, multiplication and division
- Number and place value

- Please support your child in completing their homework, let us know if there was an area that your child found difficult.
- Please make sure that your child knows their times tables and key maths facts.

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	14

 Please support your child in completing their homework, let us know if there was an area that your child found difficult.



## Any questions?

