

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 15 · Tutor / parent copy · 58 questions · 1 mark each

Award **1 mark** per correct answer; no negative marking. Maximum **58 marks**. The SET maths is KS2 content applied to less familiar, multi-step problems, so watch **how** the child works, not just the total. This diagnostic samples the **full KS2 range** — number, fractions, decimals, percentages, ratio, algebra, sequences, measures, geometry, position, statistics and data — with most questions deliberately multi-step.

Q	Topic / focus	Answer	Correct answer
1	Place Value & Number	D	5,499
2	Place Value & Number	A	0.45
3	Place Value & Number	C	10
4	Number Properties	C	27
5	Number Properties	E	12 seconds
6	Number Properties	A	9 cm
7	Fractions	C	2
8	Fractions	D	30
9	Fractions	E	16/25
10	Fractions	C	5 5/6
11	Fractions	B	1/4
12	Fractions	A	8/125
13	Fractions	C	13
14	Decimals	B	3.8
15	Decimals	C	600 ml
16	Percentages	C	£162
17	Percentages	D	£200
18	Percentages	D	90%
19	Ratio & Proportion	E	£32
20	Ratio & Proportion	D	9
21	Ratio & Proportion	C	£54
22	Algebra & Equations	D	8
23	Algebra & Equations	B	3
24	Algebra & Equations	D	7
25	Sequences & Patterns	A	the 8th
26	Sequences & Patterns	A	24

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	B	5p
28	Money & Real-World Problems	E	£32
29	Money & Real-World Problems	C	£15
30	Measurement & Estimation	A	10
31	Measurement & Estimation	E	50 ml
32	Speed, Distance & Time	B	60 km/h
33	Speed, Distance & Time	B	80 km/h
34	Speed, Distance & Time	E	07:20
35	Angles & Shape Properties	B	60°
36	Angles & Shape Properties	E	90°
37	Geometry — Area / Perimeter / Volume	D	72 cm ²
38	Geometry — Area / Perimeter / Volume	E	46 cm
39	Geometry — Area / Perimeter / Volume	E	58 m ²
40	Geometry — Area / Perimeter / Volume	A	24
41	Geometry — Area / Perimeter / Volume	A	28 litres
42	Data Interpretation	B	100
43	Data Interpretation	E	15
44	Data Interpretation	C	40
45	Coordinates & Graphs	A	(1, 5)
46	Coordinates & Graphs	B	(-2, 7)
47	Statistics	B	19
48	Statistics	C	14
49	Statistics	D	12.5
50	Word Problems & Logic	B	29
51	Word Problems & Logic	E	2
52	Powers & Indices	D	212
53	Combinatorics & Counting	A	18
54	Order of Operations	D	14
55	Roman Numerals	B	79
56	Symmetry & Shape Properties	A	2
57	Position & Direction	A	South-West
58	Negative Numbers	C	13°C

END OF MARK SCHEME
