

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 13 · 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	B	4,649
2	Place Value & Number	B	0.55
3	Place Value & Number	A	1000
4	Number Properties	D	24
5	Number Properties	B	30 seconds
6	Number Properties	C	3 cm
7	Fractions	D	8
8	Fractions	C	18
9	Fractions	E	5/24
10	Fractions	D	5 3/4
11	Fractions	E	4/5
12	Fractions	D	5/8
13	Fractions	C	5 1/2
14	Decimals	B	6.8
15	Decimals	C	5,400 ml
16	Percentages	A	£337.50
17	Percentages	A	£80
18	Percentages	B	60%
19	Ratio & Proportion	B	£40
20	Ratio & Proportion	C	15
21	Ratio & Proportion	A	£12
22	Algebra & Equations	E	7
23	Algebra & Equations	B	2
24	Algebra & Equations	E	4
25	Sequences & Patterns	D	the 12th
26	Sequences & Patterns	C	22

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	E	2p
28	Money & Real-World Problems	D	£16
29	Money & Real-World Problems	B	£17
30	Measurement & Estimation	E	16
31	Measurement & Estimation	C	50 ml
32	Speed, Distance & Time	A	60 km/h
33	Speed, Distance & Time	D	80 km/h
34	Speed, Distance & Time	B	10:35
35	Angles & Shape Properties	B	72°
36	Angles & Shape Properties	B	120°
37	Geometry — Area / Perimeter / Volume	A	72 cm ²
38	Geometry — Area / Perimeter / Volume	D	26 cm
39	Geometry — Area / Perimeter / Volume	E	57 m ²
40	Geometry — Area / Perimeter / Volume	C	16
41	Geometry — Area / Perimeter / Volume	C	7 litres
42	Data Interpretation	B	92
43	Data Interpretation	C	11
44	Data Interpretation	E	33
45	Coordinates & Graphs	A	(3, 3)
46	Coordinates & Graphs	A	(3, -7)
47	Statistics	C	6
48	Statistics	A	13
49	Statistics	D	11.5
50	Word Problems & Logic	A	13
51	Word Problems & Logic	E	3
52	Powers & Indices	A	2
53	Combinatorics & Counting	E	24
54	Order of Operations	A	24
55	Roman Numerals	D	66
56	Symmetry & Shape Properties	D	1
57	Position & Direction	C	South-East
58	Negative Numbers	E	6°C

END OF MARK SCHEME
