

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 12 · 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	C	2,549
2	Place Value & Number	E	9/10
3	Place Value & Number	A	100
4	Number Properties	E	20
5	Number Properties	B	60 minutes
6	Number Properties	D	15 cm
7	Fractions	C	4
8	Fractions	D	48
9	Fractions	C	5/9
10	Fractions	E	1 3/4
11	Fractions	B	3/4
12	Fractions	A	1/8
13	Fractions	D	8 1/2
14	Decimals	D	5.4
15	Decimals	B	1,400 ml
16	Percentages	E	£320
17	Percentages	E	£200
18	Percentages	C	60%
19	Ratio & Proportion	A	£70
20	Ratio & Proportion	A	6
21	Ratio & Proportion	D	£15
22	Algebra & Equations	D	9
23	Algebra & Equations	E	2
24	Algebra & Equations	C	6
25	Sequences & Patterns	A	the 11th
26	Sequences & Patterns	B	32

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	C	3p
28	Money & Real-World Problems	D	£36
29	Money & Real-World Problems	C	£15.50
30	Measurement & Estimation	E	20
31	Measurement & Estimation	C	100 ml
32	Speed, Distance & Time	B	48 km/h
33	Speed, Distance & Time	D	68 km/h
34	Speed, Distance & Time	C	08:50
35	Angles & Shape Properties	B	60°
36	Angles & Shape Properties	E	90°
37	Geometry — Area / Perimeter / Volume	C	64 cm ²
38	Geometry — Area / Perimeter / Volume	A	20 cm
39	Geometry — Area / Perimeter / Volume	A	37 m ²
40	Geometry — Area / Perimeter / Volume	E	12
41	Geometry — Area / Perimeter / Volume	B	24 litres
42	Data Interpretation	A	92
43	Data Interpretation	A	24
44	Data Interpretation	A	33
45	Coordinates & Graphs	B	(6, 10)
46	Coordinates & Graphs	C	(-5, 2)
47	Statistics	D	21
48	Statistics	D	12
49	Statistics	D	8.5
50	Word Problems & Logic	B	19
51	Word Problems & Logic	C	3
52	Powers & Indices	B	36
53	Combinatorics & Counting	E	12
54	Order of Operations	A	12
55	Roman Numerals	B	42
56	Symmetry & Shape Properties	E	3
57	Position & Direction	A	South-East
58	Negative Numbers	B	19°C

END OF MARK SCHEME
