

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 16 · 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	604
2	Place Value & Number	B	9/10
3	Place Value & Number	C	10
4	Number Properties	B	32
5	Number Properties	B	8 minutes
6	Number Properties	A	2 cm
7	Fractions	C	18
8	Fractions	E	24
9	Fractions	E	1/5
10	Fractions	A	2 7/12
11	Fractions	C	1/2
12	Fractions	A	7/8
13	Fractions	C	13 1/3
14	Decimals	A	3.4
15	Decimals	A	1,400 ml
16	Percentages	E	£576
17	Percentages	E	£200
18	Percentages	A	50%
19	Ratio & Proportion	B	£20
20	Ratio & Proportion	E	24
21	Ratio & Proportion	D	£12
22	Algebra & Equations	B	5
23	Algebra & Equations	A	4
24	Algebra & Equations	E	12
25	Sequences & Patterns	B	the 14th
26	Sequences & Patterns	D	22

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	D	5p
28	Money & Real-World Problems	B	£16
29	Money & Real-World Problems	E	£9
30	Measurement & Estimation	D	15
31	Measurement & Estimation	D	100 ml
32	Speed, Distance & Time	E	40 km/h
33	Speed, Distance & Time	B	65 km/h
34	Speed, Distance & Time	B	09:55
35	Angles & Shape Properties	E	60°
36	Angles & Shape Properties	A	130°
37	Geometry — Area / Perimeter / Volume	C	50 cm ²
38	Geometry — Area / Perimeter / Volume	A	28 cm
39	Geometry — Area / Perimeter / Volume	C	40 m ²
40	Geometry — Area / Perimeter / Volume	D	24
41	Geometry — Area / Perimeter / Volume	A	29 litres
42	Data Interpretation	D	72
43	Data Interpretation	D	18
44	Data Interpretation	B	33
45	Coordinates & Graphs	D	(6, 4)
46	Coordinates & Graphs	D	(-5, 6)
47	Statistics	C	4
48	Statistics	C	13
49	Statistics	C	10.5
50	Word Problems & Logic	B	21
51	Word Problems & Logic	B	5
52	Powers & Indices	A	17
53	Combinatorics & Counting	E	18
54	Order of Operations	C	23
55	Roman Numerals	D	73
56	Symmetry & Shape Properties	E	1
57	Position & Direction	A	South-West
58	Negative Numbers	C	14°C

END OF MARK SCHEME
