

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 3 · 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	0.07 (seven hundredths)
2	Place Value & Number	B	36,700
3	Place Value & Number	D	60,040
4	Number Properties	B	24
5	Number Properties	B	36
6	Number Properties	E	41
7	Fractions	D	20
8	Fractions	E	11/24
9	Fractions	A	$\frac{1}{2}$
10	Fractions	C	3,250 ml
11	Fractions	A	30
12	Fractions	C	9/20
13	Fractions	E	$3\frac{1}{4}$
14	Decimals	C	0.48
15	Decimals	B	2.85
16	Percentages	E	36
17	Percentages	A	£60
18	Percentages	A	18
19	Ratio & Proportion	B	36
20	Ratio & Proportion	A	£80
21	Ratio & Proportion	E	150 ml
22	Algebra & Equations	D	7
23	Algebra & Equations	C	9
24	Algebra & Equations	C	6
25	Sequences & Patterns	A	28
26	Sequences & Patterns	D	32

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	C	10p
28	Money & Real-World Problems	A	£7.60
29	Money & Real-World Problems	C	£11.90
30	Measurement & Estimation	C	75 cm
31	Measurement & Estimation	B	7
32	Speed, Distance & Time	D	84 km/h
33	Speed, Distance & Time	E	22:25
34	Speed, Distance & Time	E	8 km
35	Angles & Shape Properties	C	80°
36	Angles & Shape Properties	B	65°
37	Geometry — Area / Perimeter / Volume	E	50 cm ²
38	Geometry — Area / Perimeter / Volume	E	48 cm
39	Geometry — Area / Perimeter / Volume	E	34 cm ²
40	Geometry — Area / Perimeter / Volume	C	60 cm ³
41	Geometry — Area / Perimeter / Volume	C	6 cm
42	Data Interpretation	D	80
43	Data Interpretation	D	20
44	Data Interpretation	A	30
45	Coordinates & Graphs	A	(7, 1)
46	Coordinates & Graphs	D	(2, 8)
47	Statistics	D	18
48	Statistics	B	9.5
49	Statistics	C	15
50	Word Problems & Logic	B	9
51	Word Problems & Logic	D	14
52	Powers & Indices	A	27
53	Combinatorics & Counting	D	24
54	Order of Operations	A	13
55	Roman Numerals	B	LXIV
56	Symmetry & Shape Properties	E	6
57	Position & Direction	B	North-West
58	Negative Numbers	A	-4°C

END OF MARK SCHEME
