

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · Practice Paper 8 · 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	805
2	Place Value & Number	D	0.8
3	Place Value & Number	C	10
4	Number Properties	C	13
5	Number Properties	C	8 minutes
6	Number Properties	C	5 cm
7	Fractions	A	2
8	Fractions	A	10
9	Fractions	A	$\frac{5}{8}$
10	Fractions	A	$1\frac{3}{4}$
11	Fractions	B	$\frac{1}{2}$
12	Fractions	D	$\frac{12}{25}$
13	Fractions	B	$9\frac{1}{6}$
14	Decimals	B	5.2
15	Decimals	A	5,400 ml
16	Percentages	B	£216
17	Percentages	D	£150
18	Percentages	E	60%
19	Ratio & Proportion	C	£42
20	Ratio & Proportion	D	10
21	Ratio & Proportion	A	£12
22	Algebra & Equations	D	6
23	Algebra & Equations	C	4
24	Algebra & Equations	C	12
25	Sequences & Patterns	B	the 15th
26	Sequences & Patterns	E	33

Q	Topic / focus	Answer	Correct answer
27	Money & Real-World Problems	A	5p
28	Money & Real-World Problems	C	£36
29	Money & Real-World Problems	B	£8
30	Measurement & Estimation	E	20
31	Measurement & Estimation	D	100 ml
32	Speed, Distance & Time	E	80 km/h
33	Speed, Distance & Time	A	60 km/h
34	Speed, Distance & Time	E	10:05
35	Angles & Shape Properties	B	90°
36	Angles & Shape Properties	B	70°
37	Geometry — Area / Perimeter / Volume	C	64 cm ²
38	Geometry — Area / Perimeter / Volume	B	34 cm
39	Geometry — Area / Perimeter / Volume	E	59 m ²
40	Geometry — Area / Perimeter / Volume	E	24
41	Geometry — Area / Perimeter / Volume	D	9 litres
42	Data Interpretation	B	96
43	Data Interpretation	D	17
44	Data Interpretation	D	34
45	Coordinates & Graphs	E	(10, 1)
46	Coordinates & Graphs	A	(-5, 6)
47	Statistics	C	4
48	Statistics	E	15
49	Statistics	A	12.5
50	Word Problems & Logic	D	21
51	Word Problems & Logic	E	6
52	Powers & Indices	B	80
53	Combinatorics & Counting	E	48
54	Order of Operations	C	26
55	Roman Numerals	A	75
56	Symmetry & Shape Properties	A	3
57	Position & Direction	D	East
58	Negative Numbers	C	6°C

END OF MARK SCHEME
