

NILE TUITION ACADEMY

EXCELLENCE IN 11+ PREPARATION

Mathematics — Mark Scheme

Sutton SET style · 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** she 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 extra weight on the areas flagged on her report: **Data, Algebra, Fractions, Geometry** and **Money**.

Q	Topic / focus	Answer	Correct answer
1	Place Value & Number	B	0.04 (four hundredths)
2	Place Value & Number	B	49,000
3	Place Value & Number	D	400,070
4	Number Properties	B	24
5	Number Properties	B	12
6	Fractions	E	30
7	Fractions	D	$\frac{1}{2}$
8	Fractions	E	$\frac{3}{4}$
9	Fractions	A	2,500 ml
10	Fractions	C	12
11	Decimals	A	0.42
12	Decimals	C	1.35
13	Percentages	E	21
14	Percentages	C	£48
15	Percentages	B	8
16	Ratio & Proportion	E	32
17	Ratio & Proportion	A	54
18	Ratio & Proportion	A	120 ml
19	Algebra & Equations	B	6
20	Algebra & Equations	A	8
21	Algebra & Equations	E	5
22	Sequences & Patterns	D	31
23	Sequences & Patterns	C	51
24	Powers & Indices	C	9
25	Money & Real-World Problems	A	5p

Q	Topic / focus	Answer	Correct answer
26	Money & Real-World Problems	D	£5.25
27	Money & Real-World Problems	C	£115
28	Measurement & Estimation	A	80 cm
29	Measurement & Estimation	C	6
30	Speed, Distance & Time	C	72 km/h
31	Speed, Distance & Time	B	16:30
32	Speed, Distance & Time	D	12 km
33	Angles & Shape Properties	E	90°
34	Angles & Shape Properties	E	70°
35	Geometry — Area / Perimeter / Volume	C	70 cm ²
36	Geometry — Area / Perimeter / Volume	B	36 cm
37	Geometry — Area / Perimeter / Volume	E	20 cm ²
38	Geometry — Area / Perimeter / Volume	E	72 cm ³
39	Geometry — Area / Perimeter / Volume	E	5 cm
40	Coordinates & Graphs	C	(6, 1)
41	Coordinates & Graphs	C	(1, 3)
42	Data Interpretation	D	80
43	Data Interpretation	D	20
44	Data Interpretation	A	21
45	Statistics	A	19
46	Statistics	D	10.5
47	Statistics	D	17
48	Word Problems & Logic	B	6
49	Word Problems & Logic	C	8
50	Combinatorics & Counting	B	24
51	Number Properties	D	37
52	Order of Operations	A	8
53	Fractions	D	7/20
54	Fractions	A	2¾
55	Roman Numerals	B	LXXXIV
56	Symmetry & Shape Properties	E	5
57	Position & Direction	B	South-East
58	Negative Numbers	A	-2°C

END OF MARK SCHEME
