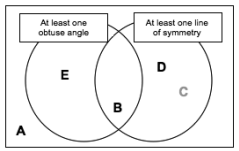
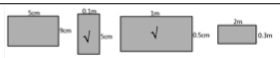
Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
1	140	1m		3C1	Calculation	T
2	a) -16°C	1m		6N5	Number	E
	b) 16.9°C	1m		6N5		E
3	20:40	1m	Do not accept 8:40pm	4M4b	Measures	T
4	a) a = 2	1m		6A4	Algebra	G
	b) b = 3	1m		6A4		G
5	21.045 21.398 21.504 21.54	1m		5F8	Fractions	E
6	Award TWO marks for the correct answer of 189.08km If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. 530.4-205.72=324.68 324.68-135.6 OR 205.72+135.6=341.32	Up to 2m		4F10b	Fractions	E E

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
7	Award TWO marks for all 4 letters correctly placed:  If the answer is incorrect award ONE mark for 3 letters correctly placed	Up to 2m	Accept 'A' drawn anywhere outside the circles. Accept alternative unambiguous indications. Do not accept letters written in more than one region.	4G2b 4G4	Geometry	E E
8	= 2.1 = 1.7	1m 1m		6C8	Geometry	E E
9	a. 19 minutes b. 10:43	1m 1m	Accept any unambiguous correct answer, e.g. 43 minutes past 10, 17 minutes to 11, 10-43, 10;43, 10 43	5S1 5S1	Statistics	E E
10		1m	Accept any unambiguous indication.	5M7b	Measures	E

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
21	Award ONE mark for an explanation that shows that 4,428 can be made by adding 18 to 4,410 e.g. • 4,410 + 18 = 246 x 18 • 246 x 18 is 18 more than 245 x 18 • You add 18 to 4,410 • You can add 18 to the answer of 245 x 18 • 4,410 + 18	1m	Do not accept an explanation that just calculates 246 x 18 = 4,428 Do not accept vague, incomplete or incorrect explanations e.g. • You add 18 • 4,428-18=4,410	6C8	Calculation	E

Balance of difficulty of questions in the paper

3 marks at working towards
25 marks at the expected standard
7 marks at working at greater depth

Thresholds

Working towards the expected standard: Criteria for 'working at the expected standard' have not been met.

Working at the expected standard: at least 13 of the 25 'expected' marks are obtained, together with all 3 of the working towards marks, but none of the 7 marks graded 'greater depth'. This mark is 16 out of 35.

Working at greater depth: all of the 3 working toward marks are obtained, plus at least 90% of the 'expected' marks and at least 50% of the 'greater depth' marks. This mark is 29 out of 35.

Key Stage 2 SATs
Mathematics Practice Test Mark Scheme
Paper 3: Reasoning

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
11	Award TWO marks for the correct answer of 2,880 If the answer is incorrect, award ONE mark for evidence of an appropriate method with no more than one arithmetic error, e.g. 12 + 8 = 20 20 x 6 = 120 120 x 24	Up to 2m	Accept for TWO marks a clear indication of the correct amount, e.g. 0kg 325g, 0.325kg Accept for ONE mark an answer of 325kg as evidence of an appropriate method	6C7a	Calculation	G G
12	d	1m	Accept any clear indication of the correct answer	4P2	Geometry	T
13	a) $2\frac{1}{4}$ b) $\frac{3}{5}$	1m 1m		5F2a 5F2b	Fractions	E E

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
14	Award TWO marks for the correct answer of: There are **180** centimetres in 1.8m There are **56** metres in 0.056km **3.4** centimetres make 34mm There are **8900** metres in 8.9km If the answer is incorrect, award ONE mark for three lines correct answers.	Up to 2m 2m 2m		6M5 6M5	Measures	E E
15	Award TWO marks for all three boxes completed correctly: Number: 45,198 — Rounded to nearest 100: 45,200 — Rounded to nearest 10,000: 50,000 Number: 172,057 — Rounded to nearest 100: 172,100 — Rounded to nearest 10,000: 170,000 If the answer is incorrect, award ONE mark for any two correct boxes	Up to 2m		5N4	Number	E E
16	a) 60 b) 412.5g	1m 1m	Accept 413g	6R4	Ratio	E G

Key Stage 2 SATs
Mathematics Practice Test Mark Scheme
Paper 3: Reasoning

Q	Required answer	Mark	Acceptable answer or additional guidance	Content Domain Ref	NC strand	Level of demand
17	6cm	1m		6M7b	Measures	G
18	Square ticked Rectangle ticked	1m 1m	Accept other clear indications of the correct shapes	6G2a	Geometry	E E
19	a) 23,_ _ _ (it does not matter what order the last 3 digits go in) b) 256	1m	Accept: 23,569 23,659 23,956 23,596 23,695 23,965	6N6	Number	E E
20	Award TWO marks for the correct answer of £8,405 If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. 2.5% of £8,000 = £200 £8,000 + £200 = £8,200 2.5% of £8,200 = £205 £8,200 + £205 =	Up to 2m		5F10	Fractions	E G