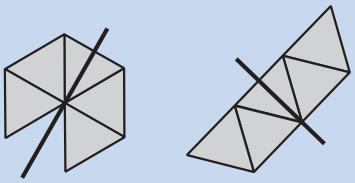
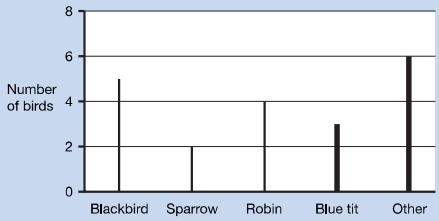
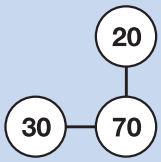
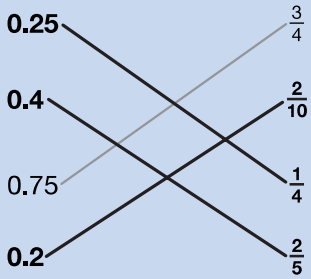
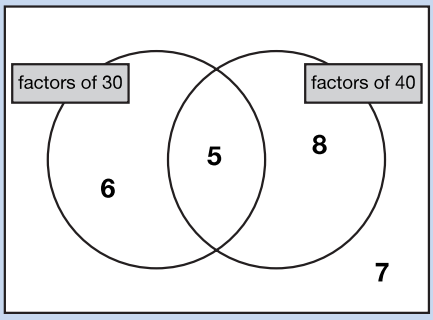
Test A questions 1–3

Question	Requirement	Mark	Additional guidance
1	Numbers written in correct order as shown: **109** **190** **901** **910** **1091**	**1m**	
2	One line of symmetry correctly positioned on each diagram as shown: 	**1m**	*Accept slight inaccuracies in drawing provided the intention is clear.* *The length of the line is unimportant provided the intention is clear.*
3a	Graph completed as shown: 	**1m**	*Accept bar for 'blue tit' in the range 2.5 to 3.5 exclusive.* *Accept bar for 'other' within 2mm of correct length.*
3b	$\frac{1}{4}$	**1m**	*Accept equivalent fractions, eg* $\frac{5}{20}$ ***Do not** accept 5*

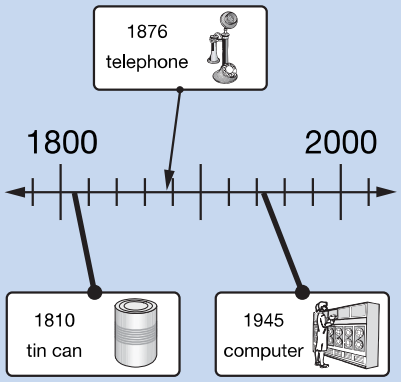
Test A questions 4–8

Question	Requirement	Mark	Additional guidance
4a	4	**1m**	
4b	150	**1m**	
5	Diagram completed as shown:  	**1m**	
6a	1 hour 20 minutes	**1m**	*The answer is a time interval (see page 5 for guidance).*
6b	3:25	**1m**	*The answer is a specific time (see page 5 for guidance).*
7a	Boxes ticked as shown: ☑ ☐ ☑	**1m** U1	*Accept alternative unambiguous indications such as **Y** or **N**.*
7b	Boxes ticked as shown: ☑ ☑ ☐	**1m** U1	*Accept alternative unambiguous indications such as **Y** or **N**.*
8a	451	**1m**	
8b	110	**1m**	

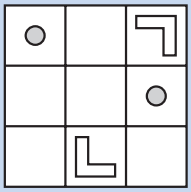
Test A questions 9–13

Question	Requirement	Mark	Additional guidance
9	Award **TWO** marks for the correct answer of 5 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 5 × 25 = 125 12 × 10 = 120 125 – 120 = wrong answer	**Up to 2m**	*Calculation must be performed for the award of **ONE** mark.*
10	1717	**1m**	
11	All numbers matched correctly as shown:  	**1m**	***Do not** award the mark if additional incorrect lines are drawn.* *Lines need not touch the numbers provided the intention is clear.*
12a **12b**	4 Monday **AND** Thursday	**1m** **1m**	***Do not** accept a list of days of the week.* *Accept unambiguous abbreviations or recognisable misspellings.* *Accept days written in either order.*
13	Award **TWO** marks for numbers written in the correct regions as shown:  If the answer is incorrect, award **ONE** mark for any three numbers written in the correct regions.	**Up to 2m**	***Do not** accept numbers written in more than one region.* *Accept alternative indications such as lines drawn from the numbers to the appropriate regions of the diagram.*

Test A questions 14–15

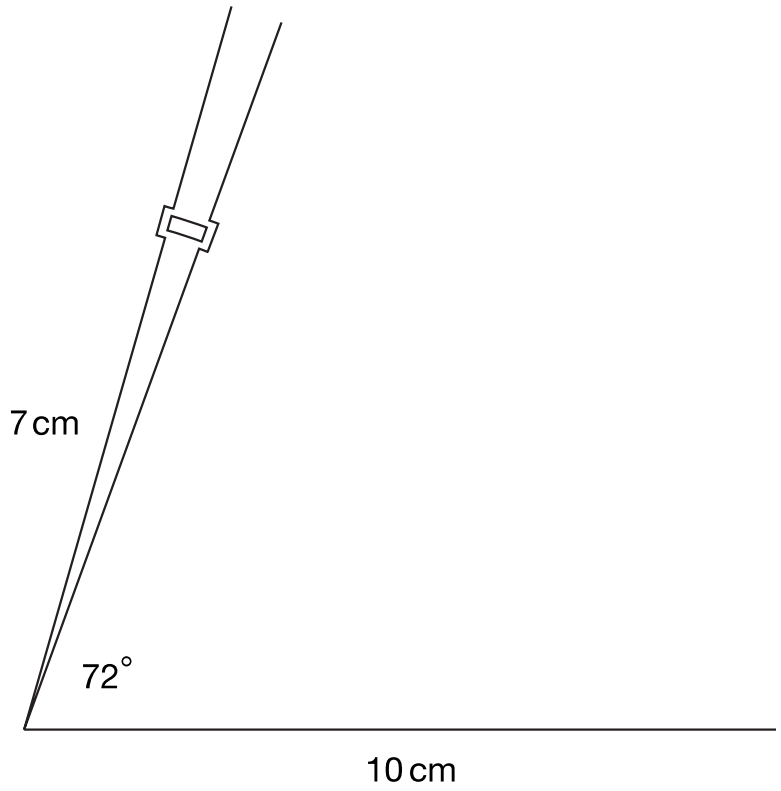
Question	Requirement	Mark	Additional guidance
			*Lines need not touch the time line provided the intended accuracy is clear.*
14a	Answer for tin can joined to the time line in the range 1805 to 1815 exclusive.	***1m***	
14b	Answer for computer joined to the time line in the range 1940 to 1950 exclusive.	***1m***	
15a	Two numbers circled as shown: 71 **(72)** 73 74 **(75)**	***1m***	***Do not*** *award the mark if additional incorrect numbers are circled.* *Accept alternative unambiguous indications, eg ticks, crosses.*
15b	An explanation which recognises that 1003 is not a multiple of 3, eg: ■ 'Because 1003 is not divisible by 3' ■ 'Because 1003 is not a multiple of 3' ■ 'Because 1003 is not in the 3 times table' ■ 'Because I divided 1003 by 3 and there was a remainder' ■ 'Because 1003 ÷ 3 has a decimal answer' ■ 'Because 1 + 0 + 0 + 3 = 4, and 4 is not a multiple of 3' ■ 'Because 1003 has a digital sum of 4' ■ 'Because 1002 is the nearest in the 3 times table' ■ 'Because 1000 is not divisible by 3' ■ 'Because 999 is divisible by 3'.	***1m*** U1	*No mark is awarded for circling 'No' alone.* ***Do not*** *accept vague or arbitrary explanations, eg:* ■ *'Because 1003 ends in 3'* ■ *'Because 1003 is in the third column'* ■ *'Because if you keep going in 3s you will go past it'.* *If 'Yes' is circled but a correct unambiguous explanation is given, then award the mark.*

Test A questions 16–20

Question	Requirement	Mark	Additional guidance
16	Award **TWO** marks for three shapes drawn correctly on the diagram as shown:  If the answer is incorrect, award **ONE** mark for: ■ the 'L' shape and any one of the two circles drawn correctly **OR** ■ both circles drawn correctly **AND** the 'L' shape drawn in the correct square but orientated incorrectly.	***Up to 2m***	*Accept slight inaccuracies in drawing provided the intention is clear.* *Circles need not be shaded.*
17a ***17b***	6 An explanation which recognises that a total of 10 children read between 4 and 6 books, eg: ■ '10 children altogether read between 4 and 6 books, and 7 + 1 makes 8, so that leaves 2 children' ■ 'Because 7 add 1 is 8, and you need 2 more' ■ 'Because 10 children read 4 to 6 books' ■ '8 and 2 more make 10 children altogether' ■ '1 + 7 = 8, 8 + 2 = 10'.	***1m*** ***1m*** (U1)	***Do not*** *accept vague or arbitrary explanations, eg:* ■ *'Because 7 and 1 make 8'* ■ *'Because there are 2 children left'.*
18	196.45	***1m***	
19	Award **TWO** marks for the correct answer of 50 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 15 ÷ 3 = 5 5 × 10 = wrong answer	***Up to 2m*** (U1)	*Calculation must be performed for the award of **ONE** mark.*
20a ***20b***	Answer in the range $\frac{1}{10}$ to $\frac{3}{20}$ inclusive. Answer in the range 40 to 50 inclusive.	***1m*** ***1m***	*Range includes $\frac{1}{7}$, $\frac{1}{8}$, $\frac{1}{9}$ and $\frac{1}{10}$* *Accept decimals (0.1 to 0.15 inclusive) or percentages (10% –15% inclusive).*

Test A question 21

Markers will use a transparent overlay of this page to mark pupils' answers to this question.



Question	Requirement	Mark	Additional guidance
21	Award **TWO** marks for a triangle drawn with an angle in the range 70° to 74° inclusive **AND** length of sloping line in the range 6.9 cm to 7.1 cm inclusive (ie upper vertex of triangle within inner box on diagram). If the answer is incorrect, award **ONE** mark for: ■ a completed triangle drawn with an angle in the range 70° to 74° inclusive. **OR** ■ a completed triangle drawn with an angle in the range 69° to 75° inclusive **AND** length of sloping line in the range 6.8 cm to 7.2 cm inclusive.	**Up to 2m**	*Accept drawings where any side has been extended past a vertex.* *Accept drawings which do not use the given 10 cm base line, provided they have used a line with a length in the range 9.9 cm to 10.1 cm inclusive.* *Accept for **ONE** mark drawings not using the given 10 cm base line which have a base line outside the range 9.9 cm to 10.1 cm, provided they have an angle in the range 70° to 74° inclusive **AND** a sloping line in the range 6.9 cm to 7.1 cm inclusive.* *Accept for **ONE** mark drawings of incomplete triangles, provided they have an angle in the range 70° to 74° inclusive **AND** a sloping line in the range 6.9 cm to 7.1 cm inclusive.*

Test A questions 22–23

Question	Requirement	Mark	Additional guidance
22	Award **TWO** marks for the correct answer of 53 If the answer is incorrect, award **ONE** mark for evidence of appropriate working which contains no more than **ONE** arithmetical error, eg: ■ long division algorithm wrong answer 16)848 800 48 –48 0 ■ short division algorithm wrong answer 16)84^{4}8 ■ repeated addition / subtraction methods, eg 848 –400 25 × 16 448 –400 25 × 16 48 –48 3 × 16 0 wrong answer ■ repeated halving, eg 848 ÷ 2 = 424 424 ÷ 2 = 212 212 ÷ 2 = 106 106 ÷ 2 = wrong answer	***Up to 2m***	*In all cases accept follow through of **ONE** error in working.* *Calculation must be performed for the award of **ONE** mark.* ***Do not** award any marks if the final answer is missing.* *Variations on algorithms are acceptable, provided they represent a viable and complete method.* *Short division methods must be supported by evidence of appropriate carrying figures to indicate use of a division algorithm.* ***No mark** is awarded for repeated addition / subtraction the wrong number of times.* ***No mark** is awarded for repeated halving the wrong number of times.*
23	Award **TWO** marks for all three numbers, as shown: 94, 95, 96 If the answer is incorrect, award **ONE** mark for: ■ two numbers correct and none incorrect **OR** ■ three numbers correct and one incorrect **OR** ■ 93, 94, 95, 96, 97	***Up to 2m*** U1	*Accept numbers written in any order.* *All three numbers and no incorrect numbers must be given for the award of **TWO** marks.*