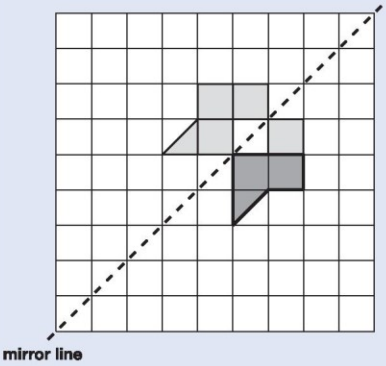
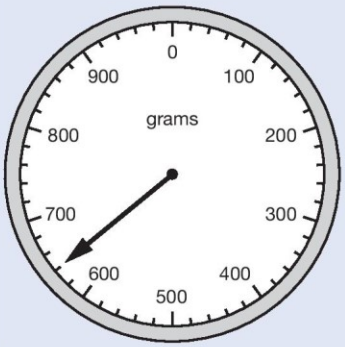
Test A questions 1–8

Question	Requirement	Mark	Additional guidance
1	845	1m	
2	5 × 6 − 30 **OR** 5 × 8 − 40	1m	
3a	450	1m	Accept an answer in the range 440 to 460 inclusive.
3b	125	1m	
4	Five coins which total £1.60, ie £1 20p 20p 10p 10p **OR** 50p 50p 20p 20p 20p **OR** 50p 50p 50p 5p 5p	1m U1	Coins may be given in any order.
5	A **AND** D **AND** E	1m	Letters may be given in any order.
6a	54	1m	
6b	63	1m	
7a	7:55am	1m	The answer is a specific time (see page 5 for guidance).
7b	40 minutes	1m	The answer is a time interval (see page 5 for guidance).
8	Award **TWO** marks for all three pairs of numbers correct as shown: 5 + 6 3 + 7 1 + 8 2 + 4 If the answer is incorrect, award **ONE** mark for two pairs of numbers correct.	Up to 2m U1	Numbers within pairs may be given in either order.

Test A questions 9–13

Question	Requirement	Mark	Additional guidance
9	Two numbers circled as shown: 255 **650** 735 **900** 995	1m	Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.
10	Diagram completed as shown:  mirror line	1m	Accept inaccurate drawing provided the intention is clear.
11	Award **TWO** marks for all four symbols correct, as shown: **<** **>** **=** **≠** If the answer is incorrect, award **ONE** mark for three symbols correct.	Up to 2m	
12	Award **TWO** marks for the correct answer of £3.05 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg: ■ £5.00 – £1.05 = £3.95 £7.00 – £3.95 = wrong answer **OR** ■ 7 – 5 = 2 2 + 1.05 = wrong answer	Up to 2m	Accept for **ONE** mark £305 **OR** £305p as evidence of appropriate working. Working must be carried through to reach an answer for the award of **ONE** mark.
13a	14	1m	
13b	C	1m	Accept 5

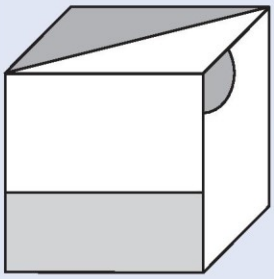
Test A questions 14–18

Question	Requirement	Mark	Additional guidance
14	Arrow drawn to 640, as shown:  	**1m**	Arrow should be closer to 640 than to 620 or 660 Accept any unambiguous indication of the correct point on the scale, including an arrow not originating from the centre of the dial. Accept answer given on upper diagram provided no answer is given on lower diagram.
15	An explanation which recognises that the shaded area is equivalent to one-third, eg: ■ '$\frac{2}{6}$ is shaded and that is equivalent to $\frac{1}{3}$' ■ '2 out of 6 is the same as 1 out of 3' ■ '2 out of 6' ■ '$\frac{2}{6}$ is shaded and $\frac{4}{6}$ is not shaded, which is the same as $\frac{1}{3}$ shaded and $\frac{2}{3}$ not shaded' ■ 'There are 3 squares, and 2 halves are shaded, and 2 halves make one whole' ■ 'The two shaded triangles are the same as one square and that is one out of three squares' ■ '1 square out of 3' ■ 'If you add the shaded parts together it makes one square' ■ 	**1m** U1	No mark is awarded for circling 'Yes' alone. **Do not** accept vague or incomplete explanations, eg: ■ 'It's equivalent to $\frac{1}{3}$' ■ '$\frac{1}{3}$ is shaded and $\frac{2}{3}$ is not shaded' ■ 'The two parts shaded add up to $\frac{1}{3}$' ■ 'Half of 2 squares are shaded'. If 'No' is circled but a correct, unambiguous explanation is given, then award the mark.
16a	2	**1m**	**Do not** accept nuts and fruit bar.
16b	4	**1m**	
16c	banana	**1m**	Accept unambiguous abbreviations or recognisable misspellings.
17	22.11	**1m**	
18	4	**1m**	Accept 21 **AND** 22 **AND** 23 **AND** 24

Test A questions 19–21

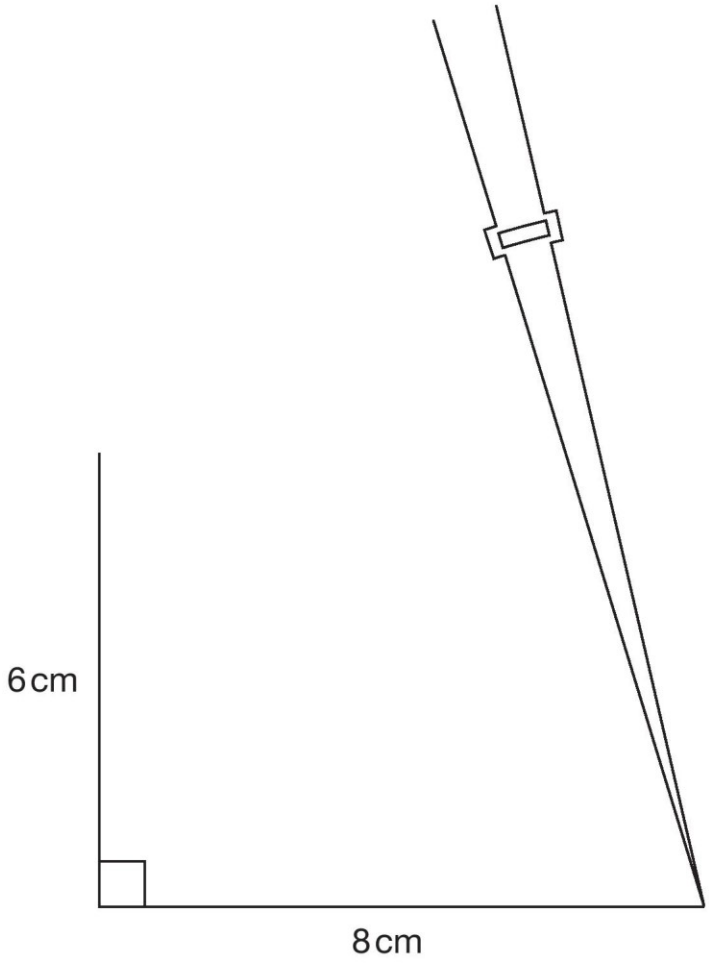
Question	Requirement	Mark	Additional guidance
19a	16	1m	
19b	A whole number in the range 180 to 190 inclusive	1m	
20	47 ÷ **100** = **0.47** **AND** **4.07** × **10** = 40.7	1m	Numbers within calculations may be given in either order.
21	Award **TWO** marks for the correct answer of 17 If the answer is incorrect, award **ONE** mark for evidence of appropriate working which contains no more than **ONE** arithmetical error, eg: ■ repeated addition/subtraction methods, eg 544 −320 10 × 32 224 −160 5 × 32 64 −64 2 × 32 0 wrong answer ■ repeated halving, eg 544 ÷ 2 = 272 272 ÷ 2 = 136 136 ÷ 2 = 68 68 ÷ 2 = 34 34 ÷ 2 = wrong answer ■ fraction method, eg $\frac{544}{32} = \frac{136}{8} = \frac{34}{2}$ = wrong answer ■ short division algorithm wrong answer 32 ⟌ 5 $4^{22}4$ ■ long division algorithm wrong answer 32 ⟌ 544 320 224 −224 0	Up to 2m	In all cases accept follow-through of **ONE** error in working. Working must be carried through to reach an answer 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. **No mark** is awarded for repeated addition/subtraction/halving the wrong number of times. Short division methods must be supported by evidence of appropriate carrying figures to indicate use of a division algorithm.

Test A questions 22–23

Question	Requirement	Mark	Additional guidance
22a	Triangle drawn on the diagram as shown: 	**1m**	Accept inaccurate drawing provided the intention is clear. Triangle must be shaded.
22b	Quarter circle drawn on the diagram as shown above.	**1m**	Accept inaccurate drawing provided the intention is clear. The size of the quarter circle is not important, provided it does not touch the shaded rectangle. Quarter circle need not be shaded.
23a	13 for the x coordinate	**1m** (U1)	Accept unambiguous answers written on the diagram.
23b	15 for the y coordinate	**1m**	Accept unambiguous answers written on the diagram. If the answer to 23a is 15 **AND** the answer to 23b is 13, then award **ONE** mark for 23b.

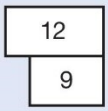
Test A question 24

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



Question	Requirement	Mark	Additional guidance
24	Award **TWO** marks for a quadrilateral drawn with an angle in the range 73° to 77° inclusive **AND** length of sloping line in the range 9.1cm to 9.3cm inclusive (ie upper vertex of quadrilateral within inner box on diagram). If the answer is incorrect, award **ONE** mark for: ■ a completed quadrilateral drawn with an angle in the range 73° to 77° inclusive **OR** ■ a completed quadrilateral drawn with an angle in the range 72° to 78° inclusive **AND** length of sloping line in the range 9.0cm to 9.4cm inclusive.	**Up to 2m**	Accept drawings where any side has been extended past a vertex. Accept drawings which do not use the given 8cm base line, provided they have used a line with a length in the range 7.8cm to 8.2cm inclusive. Accept for **ONE** mark drawings not using the given 8cm base line which have a base line outside the range 7.8cm to 8.2cm, provided they have an angle in the range 73° to 77° inclusive **AND** a sloping line in the range 9.1cm to 9.3cm inclusive. Accept for **ONE** mark drawings of incomplete quadrilaterals, provided they have an angle in the range 73° to 77° inclusive **AND** a sloping line in the range 9.1cm to 9.3cm inclusive.

Test A question 25

Question	Requirement	Mark	Additional guidance
25	Award **TWO** marks for the correct answer of 39 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg: ■ 36 ÷ 3 = 12 36 ÷ 4 = 9 12 + 9 + 9 + 9 = wrong answer **OR** ■  12 − 9 = 3 36 + 3 = wrong answer	**Up to 2m** U1	Accept for **ONE** mark an answer of 42 supported by appropriate working, eg 36 + 3 + 3 Working must be carried through to reach an answer for the award of **ONE** mark.