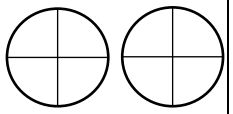
Pictograms

Question	Answer	Mark	Mark scheme	Additional guidance
6 (a)	10	B1	cao	
(b)	2 full squares and 3 quarters of a square	B1	for a diagram for April showing the equivalent of 2 full squares and 3 quarters of a square	eg 11 quarter squares drawn separately 3 quarters may be seen as one half square and one quarter square
(c)	18	P1	for process to find houses sold in February = 4 + 4 + 1 (= 9) or March = 4 + 4 + 4 (= 12) **or** 60 – ([Jan + Feb + Mar] + 11)	February and March totals may be seen on the diagram May be implied by 42 [Jan + Feb + Mar] is clearly their houses sold in Jan, Feb and March for this mark only
		P1	for a complete process, eg. 60 – ([answer to part (a)] + "9" + "12" + 11) or $60 - (2\frac{1}{2} + 2\frac{1}{4} + 3) \times 4 - 11$	$4\frac{1}{2}$ squares drawn for May gets P2
		A1	cao	18 must be seen for full marks

Question	Answer	Mark	Mark scheme	Additional guidance
6 (a)		C1	for showing diagrams that represent 24 pictorially	shapes can come from a combination of shapes but must sum to 24
(b)	Year 8 (supported)	M1	for beginning to work with the pictogram, eg counting symbols or finding the total for one type of cake	Chocolate = 60 Vanilla = 39 Lemon = 18
		M1	for a complete method to find the total number, eg $5 \times 12 + 3\frac{1}{4} \times 12 + 1\frac{1}{2} \times 12 + 24$ or $60 + 39 + 18 + 24$ (= 141) **or** $5 + 3.25 + 1.5 + 2$ (= 11.75) **or** $150 \div 12$ (= 12.5)	For this M mark use 24 for banana or ft from their diagram, but do not award if banana has been omitted. If only totals are shown allow no more than one error in a total.
		C1	for selecting Year 8 with correct figures, eg Year 8 and 141 **or** Year 8 with 9 more **or** Year 8 with $11\frac{3}{4}$ **and** $12\frac{1}{2}$	

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Question	Answer	Mark	Mark scheme	Additional guidance
6	8	B1	cao	

June 2020 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
7	Correct pictogram drawn	C1	deduces that 1 ellipse represents 12 (eggs) oe	eg. ½ ellipse represents 6 (eggs), ¼ ellipse represents 3 (eggs)
		C1	2 ellipses for Tuesday oe	some interpretation of shapes will be needed
		C1	2¼ ellipses for Wednesday oe	
		C1	correctly represented key	
			Alternative (using 1 ellipse to represent a different number of eggs)	
		C2	for a correctly shown key, eg. 1 drawn ellipse represents 4 (eggs) oe **and** one day in agreement with their key.	eg. a correctly represented key plus, $4\frac{1}{2}$ ellipses for Monday oe
		C1	for a second day in agreement with their key	eg. 6 ellipses for Tuesday oe
		C1	for a third day in agreement with their key.	eg. $6\frac{3}{4}$ ellipses for Wednesday oe

Question	Answer	Mark	Mark scheme	Additional guidance
11 (a)	16	B1	cao	
(b)	12	M1	for 22 **or** 10 **or** (11 – 5) × 2 oe **or** 1.5 × 8 oe	If the scale is misread in part (a), allow ft marks in parts (b) and (c) for all marks provided consistently used.
		A1	cao	
(c)	Pictogram	C3	for Thursday = 8 drawn oe **and** Friday = 24 drawn oe	Some interpretation of shapes will be needed
		(C2	for Thursday = 8 drawn oe **or** for Friday = 24 drawn oe **or** Thursday = 8 **and** Friday = 24 **or** for Thursday = 24 drawn oe **and** Friday= 8 drawn oe)	
		(C1	for 32 ÷ 4 (= 8) **or** 32 ÷ 4 × 3 (= 24) **or** 32 ÷ 8 **or** for a total of 32 drawn for Thursday and Friday)	