

## Pictograms Past Paper Questions (MS)



**Q1.**

Question	Working	Answer	Mark	Notes
(a)			2	B1 for 6 tins drawn for Thursday B1 for 3 + ½ tins drawn for Friday. Use professional judgement re sketch of semicircle
(b)		15	2	M1 for $(4.5 - 3) \times 10$ or $1.5 \times 10$ or $4.5 \times 10 - 3 \times 10$ or $45 - 30$ or $10 + 5$ A1 for 15

**Q2.**

Question	Working	Answer	Mark	Notes
(a)		18	1	B1 cao
(b)		¼ box 3 full size boxes	2	B1 cao B1 cao

**Q3.**

Question	Working	Answer	Mark	Notes
		Correct pictogram with key	C3 [C2]  [C1]	for a fully correct pictogram, including key for 2 circles drawn for Friday or $3\frac{3}{4}$ circles (or equivalent) drawn for Saturday] for deducing that one circle represents 4 cycles (or $20 \div 5$ ) or $\frac{1}{2}$ circle represents 2 cycles or $\frac{1}{4}$ circle represents 1 cycle]

**Q4.**

Question	Working	Answer	Mark	Notes
(a)		8	1	B1 cao
(b)		30	2	M1 for $8 + 4 + 6 + 12$ or $7 \times 4 + 2$ A1 cao
(c)		4 circles on Friday	1	B1 cao




Q5.

	Working	Answer	Mark	Notes
(a)(i)		20	2	B1 cao
(ii)		45		B1 cao
(b)	10+20+40+45+75+80+40 Or 14 × 20 + 10 + 5 + 15	310	2	M1 for attempt to find the total by adding individual days ft from (a) or 14 × 20 A1 ft from their readings in (a)

Q6.

Question	Working	Answer	Mark	Notes
(a)	$2 \times 12$	24	1	B1 cao
(b)	e.g. $12 + 6$	18	2	M1 for $4.5 \times 12 - 3 \times 12$ or $(4.5 - 3) \times 12$ or $12 + 6$ or 6 seen "54" – "36" oe A1 cao
(c)	$2.75 \times 12 \times 8$	2.64	3	M2 for complete method seen, "2.75×12"×8 or "12+12+9"×8 or "2.75 × 8"×12 or "33"×8 "96" + "96" + "72" or the digits 264 seen (M1 for 2.75×12 or 12+12+9 or 24+9 or "33" or 2.75×8 or 12×8 or 24×8 or 9×8 or 192 seen or 96 seen or 72 seen) A1 cao (SC M1 (12+12+8)×8 but not 32×8)  Note: The method marks can also be awarded if the candidate uses 0.08

Q7.

	Working	Answer	Mark	Notes
(a)		4	1	B1 cao
(b)		5	1	B1 cao
(c)			2	B1 cao for Match 6 B1 cao for Match 7



Q8.

Question	Working	Answer	Mark	Notes
(a)		Charlie	1	B1 cao
(b)		8	1	B1 cao
(c)		11	1	B1 cao
(d)		2 ½ circles drawn	1	B1 for 2 ½ circles drawn oe

Q9.

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Question	Working	Answer	Mark	Notes
(a)		30	1	B1 cao
(b)		15	1	B1 cao
(c)		4 'jars' in Week 4	1	B1 cao
(d)		5	1	B1 cao

Q10.

Question	Working	Answer	Mark	Notes
(i)		16	2	B1 cao
(ii)		12		B1 cao