

Awarding Consortium

PARTNERS IN YOUR SUCCESS

Maths Level 1 Mark Scheme Set 3 - Sample

Task 1				
Question	Process	Marks Awarded	Answer	Mark
1	Creates timetable		7.35 Set up equipment 8.05 Buffet 9.05 Present awards 9.50 Dancing 10.40 Clear equipment Accept times 5 minutes earlier if answers are consistent with calculating from 7.30 , however for full marks accept those above.	
		1 In/A OR	Any three times AND any three activities in chronological order OR adds activity durations	a
		2 In/A OR	Any four times AND any four activities in chronological order OR finds total time = 2 hours 25 minutes	b
		3 In/A OR	All 5 times regardless of activities OR All 5 activities in order with at least four matching activities	c
	4 In/A	5 times and 5 matching activities as above	d	
	Concludes	1 In	Yes he can start after 7.30	e
2	Uses instructions		Rounds time from Question 1 to whole number (3)	f
			answer f x 25 (100)	g
		answer g + 135 (235)	h	
	Finds answer		£235	i

Task 1

Question	Process	Marks Awarded	Answer	Mark
3	Calculates number of cartons	1 R	$150 \div 5$	j
	Finds answer	1 A	30	k
	Concludes	1 In	No, 25 cartons will not be enough	l
			Accept valid alternative methods	
4	Calculates cost	1 R	150×3	m
	Finds discount	1 R/A	answer m \div 10 OR finds 10% by a suitable method	n
	Calculates cost	1 R/A	answer m – answer n	o
	Finds cost	1 A	£405	p

Task 2

Question	Process	Marks Awarded	Answer	Mark
5	Completes the table	1 A	(Bus =) one quarter ($\frac{1}{4}$) AND (cycle =) one quarter ($\frac{1}{4}$)	a
		1 A	(car =) three eighths	b
	Populates chart	1 R	1 sector completed for 'Bus' consisting of four original sectors of the chart	c
		1 R	1 sector completed for 'Cycle' consisting of four original sectors of the chart	d
		2 R	1 sector completed for 'Walk' consisting of two original sectors of the chart	e
		2 R	1 sector completed for 'Car' consisting of six original sectors of the chart	f
6	Forms fraction	1 R	12 out of 32 OR $\frac{12}{32}$ seen	i
	Compares	1 R/A	50% OR Half of 32 is 16, OR 37.5% OR 0.375 seen	j
	Concludes	1 In	No, less than half cycle or walk	k
7	Adds data	1 R	$9 + 5 + 7 + 10 + 9$	l
	divides	1 R/A	answer l \div 5	m
	finds mean	1 A	8	n
	Concludes	1 In	Yes, it is likely that a minimum of 8 people cycle to work. (more than half chance)	o

Task 3

Question	Process	Marks Awarded	Answer	Mark
8	Draws on plan	1 In	Sketch of a rectangle and a square on the plan, without overlap (a copy is acceptable)	a
		2 In	Rectangle shown <u>vertically</u> on the plan with equal gaps (approximately) top and bottom; approximate ratio of rectangle horizontal: vertical, 1 : 4. Appropriate gaps to square, house and edge of garden	b c
		2 In	Square shown on plan with appropriate gaps to rectangle, house and edge of garden	d e
9	Calculates areas	1 R	3 x 3, AND 4 x 1, AND 7 x 5	f
	Finds areas	1 A	9, 4, 35	g
	Calculates equipment area	1 R	9 + 4	h
	Compares	1 A	13 x 2 = 26 or half of 35 is 17.5	i
	Concludes	1 In	The area of the equipment is not more than half of the garden area.	j
10	Calculates cost after 4 hours	1 R	2 x 8.75	k
	Calculates total cost	1 R/A	answer k + 45	l
	Finds total cost	1 A	£62.50	m
	Checks answer	1 In	Checks answer k or l by inverse, estimation or any suitable method	n