I	Perimeter of three sides of garden = 8 + 11 + 8 = 27 m	[1]
	Length of fencing needed = $27 - 0.8 = 26.2 \text{ m}$	[1]
2	Kitchen area = $3 \times 2.5 = 7.5 \text{ m}^2$ Tile area = $0.5 \times 0.5 = 0.25 \text{ m}^2$	[1] Alternative method: $3 \div 0.5 = 6$ tiles long $2.5 \div 0.5 = 5$ tiles wide
	$7.5 \div 0.25 = 30$ kitchen tiles needed	[1] Alternative method cont.: $6 \times 5 = 30$ tiles needed
3	Big rectangle area = $80 \times 50 = 4000 \text{ m}^2$ Small rectangle area = $15 \times 20 = 300 \text{ m}^2$	[1] Alternative method: Area = $60 \times 50 + 20 \times 35$
	Area of field = $4000 - 300 = 3700 \text{ m}^2$	[1] Alternative method cont. Area = 3700 m^2
	Time = $3700 \div 50 = 74$ minutes	[1]
4	Area of lawn = $7.2 \times 4.5 = 32.4 \text{ m}^2$ Area of lawn feed coverage = $2 \times 32.4 = 64.8 \text{ m}^2$	[1]
	$64.8 \div 20 = 3.24 \mathrm{kg}$ of lawn feed needed	[1]
	So, Mila will need 2 boxes (since 1 box is 2.5 kg)	[1]
	$Cost = 2 \times £6.99 = £13.98$	[1]
5	Volume of ice cube = $2 \times 2 \times 3 = 12 \text{ cm}^3$	[1]
	$1500 \div 12 = 125$ ice cubes made	[1]
	$125 \div 12 = 10.41 \dots$ so 11 trays will be needed	[1]
6	$50\% \text{ depth} = 0.5 \times 0.5 = 0.25 \text{ m}$	[1]
	Volume of water = $2 \times 1.5 \times 0.25 = 0.75 \text{ m}^2$	[1]
	Time to fill pool = $0.75 \div 0.05 = 15$ minutes	[1]

7	Circumference of semicircle = $2\pi r \div 2 = \pi r$ = $3.14 \times 25 = 78.5 \text{ m}$	[1]
	Perimeter of track = 78.5 + 78.5 + 100 + 100 = 357 m	[1]
	12 km = 12000 m	[1]
	12000 ÷ 357 = 33.61 so 34 full laps	[1]
		T
8	Garden area = $12 \times 20 = 240 \text{ m}^2$ Patio area = $\frac{1}{2} \times 10 \times 5 = 25 \text{ m}^2$	[1]
	Pond area = πr^2 = 3.14 × 2.5 ² = 19.625 m ²	[1]
	Grass area = $240 - 25 - 19.625 = 195.375 \text{ m}^2$	[1]
	$195.375 \times 10 = 1953.75$ litres of water needed	[1]
9	Rectangle area = $14 \times 18 = 252 \text{ cm}^2$ Semicircle area = $\frac{1}{2}\pi r^2 = \frac{1}{2} \times 3.14 \times 7^2 = 76.93 \text{ cm}^2$	[1]
	Total area = $252 + 76.93 = 328.93 \text{ cm}^2$	[1]
	Capacity = $328.93 \times 25 = 8223.25 \text{ cm}^3$	[1]
	Volume of slush = $0.8 \times 8223.25 = 6578.6 \text{ cm}^3$	[1]
	Number of drinks = $6578.6 \div 300 = 21.92 \dots$ So Benny will sell 21 drinks	[1]
	$21 \times £1.50 = £31.50$ made	[1]