

1	2500 grams	B1	
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Q	Answer	Mark	Comments
2	26	B1	

Question	Answer	Mark	Comments
3	$\frac{7}{5}$ or $1\frac{2}{5}$	B2	B1 28 and 20 or $2\frac{1}{3}$ and $1\frac{2}{3}$ or mixed numbers or fractions with common denominator or correct unsimplified fraction or mixed number eg $\frac{14}{10}$ or $1\frac{8}{20}$ or correct simplification of a fraction where at least one of the values is 28 or 20 and the other is not 12 SC1 $\frac{5}{7}$
	Additional Guidance		
	Allow a fractional numerator and/or denominator in a correct fraction eg $\frac{2\frac{1}{3}}{\frac{8}{12}}$ or $\frac{\frac{28}{5}}{\frac{12}{3}}$		B1
	$\frac{2.4}{1.8}$ simplified to $\frac{4}{3}$		B0
	Ignore an attempt to convert $\frac{7}{5}$ to an improper fraction eg $\frac{7}{5} = 1\frac{2}{7}$ on the answer line		B2
	7 : 5 with no working worthy of B1		B0

Q	Answer	Mark	Comments
4(a)	$\frac{1}{3}$	B2	B1 (may be seen in diagram) 120 or 100 or 0.4(0) may be seen in a fraction eg $\frac{120}{40}$ or $\frac{0.4}{1.2}$ or correct, but unsimplified fraction eg $\frac{20}{60}$ or their fraction written in simplest form SC1 1 : 3
	Additional Guidance		
	Ignore units on answer line		
	Do not ignore further work after $\frac{1}{3}$ seen		
	If converting to mm both values must be correct		
	$\frac{1}{3}$ given as a decimal or percentage must be correct to 2sf or better		B1
	B1 for simplifying their fraction can only be awarded from the use of digits 1, 12 and 4, eg $\frac{40}{1200}$, answer $\frac{1}{30}$ $\frac{1200}{40}$, answer 30 $\frac{40}{1200}$, answer $\frac{1}{3}$ $\frac{2}{4}$, answer $\frac{1}{2}$		B1 B1 B0 B0
	$\frac{0.04}{1.2}$, answer $\frac{1}{30}$		B1
	$\frac{1}{40}$ or $\frac{40}{1} = 40$		B0

Q	Answer	Mark	Comments
5(a)	centimetres or millimetres or inches	B1	allow abbreviations eg cm, mm, in
	grams or milligrams or ounces	B1	allow abbreviations eg g, mg, oz
	Additional Guidance		
	Mark intention eg condone ou or incorrect spellings		
	Ignore any numbers with correct units		

Q	Answer	Mark	Comments
6	$80 \times x$ or $80x$ or $x \times 80$ or $x80$ or $x \div 60$ or $\frac{x}{60}$ or $\frac{1}{60}x$ or $x\frac{1}{60}$ or $80 \div 60$ or $\frac{80}{60}$	M1	teabags per hour boxes per minute
	$\frac{80x}{60} \left(= \frac{4x}{3} \right)$ or $80 \div 60 \times x \left(= \frac{4x}{3} \right)$	A1	oe showing 80 and 60 and x eg $\frac{80 \times x}{60} \left(= \frac{4x}{3} \right)$ or $x \frac{80}{60} \left(= \frac{4x}{3} \right)$ or $\frac{80}{60} \times x \left(= \frac{4x}{3} \right)$ or $80x \div 60 \left(= \frac{4x}{3} \right)$
	Additional Guidance		
	M1 may be awarded for correct work with no answer or incorrect answer, even if this is seen amongst multiple attempts		
	Do not allow M1 if only seen embedded in an incorrect expression or calculation eg $80x \times 4 = 320x$		M0
	$60 \times \frac{4x}{3} = 80x$ (M1 allowed as $80x$ is not embedded in an incorrect expression or calculation, A0 because using the given answer)		M1A0
	Condone $x = 80 \div 60$		M1A0
	$\frac{80x}{60} \left(= \frac{4x}{3} \right)$		M1A1
	$\frac{80}{60} = \frac{4}{3}$ and $\frac{4}{3} \times x \left(= \frac{4x}{3} \right)$ $\frac{80}{60} = \frac{4}{3}$ and $\frac{4x}{3}$		M1A1 M1A0
	No equivalents allowed for M1		
	Ignore units		
	Condone 1.33(...) for $\frac{4}{3}$		
	Ignore non-contradictory working after M1A1 seen		

Q	Answer	Mark	Comments
7(a)	200	B1	accept two hundred
Q	Answer	Mark	Comments
7(b)	8000	B1	accept eight thousand
Q	Answer	Mark	Comments
7(c)	$24 \div 8$ or 3 or $5 \div 8$ or 0.625 or $8 \div 5$ or 1.6 or 24×5 or 120 or $24 \div 8 \times 5$ or $24 : 15$	M1	oe eg $\frac{5}{8} \times 24$
	15	A1	
	Additional Guidance		
	$8 - 5 = 3$		M0