Q1. (2023)

Q	Answer	Mark	Comments
23	$80 \times x$ 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		