1	a	150 ÷ 6 × 14 oe		2	M1
			350		A1
	b	630 ÷ 90 × 6 oe		2	M1
			42		A1
	c	162 ÷ (2 + 7) × 2 oe		2	M1
			36		A1
					Total 6 marks

2	28 × 5 (= 140) **OR** 26.5 × 2 (= 53)			M1 or 87
	(28 × 5 − 26.5 × 2) ÷ (5 − 2)			M1 for a complete method
		29	3	A1
				Total 3 marks

3	5.25 ÷ 3 (= 1.75)		4	M1
	[9.75 − (2 × '1.75')] ÷ 5 (= 1.25)			M1
	(5 × '1.75') + (3 × '1.25') (= 8.75 + 3.75)			M1
		12.5(0)		A1
				Total 4 marks

4	(a)	(60 ÷ 24) × 100 or $\frac{100}{24} \times 60$		2	M1 Complete method accept 4.16 × 60
			250		A1 cao

5	5.75 ÷ 5 (= 1.15)		3	M1 for finding the cost of one chocolate bar
	e.g. (7.85 − 2 × "1.15") ÷ 3			M1 (dep on M1) for a complete method to find the cost of one packet of sweets
		1.85		A1 cao
				Total 3 marks

6	0.85 × 1000 (= 850) or 360 ÷ 1000 (= 0.36)		4	M1 for a correct conversion of kg to g or g to kg
	360 ÷ 15 (= 24) **or** "0.36" ÷ 15 (= 0.024) **or** "850" ÷ 38 (= 22.368….) **or** 0.85 ÷ 38 (= 0.022368….) **or** "850" ÷ 360 ($= \frac{85}{36} = 2.3(6\ldots)$) **or** $\left(\frac{38}{15} =\right) 2\frac{8}{15} (= 2.5....)$			M1 oe
	360 ÷ 15 (= 24) **and** "850" ÷ 38 (= 22.368….) **or** "0.36" ÷ 15 (= 0.024) **and** 0.85 ÷ 38 (= 0.022368….) or 360 ÷ 15 (= 24) **and** "850" ÷ 24 (= 35.4…) **or** "0.36" ÷ 15 (= 0.024) **and** 0.85 ÷ '0.024' (= 35.4…) **or** "850" ÷ 360 ($= \frac{85}{36} = 2.3(6\ldots)$) **and** "2.3(6…)" × 15 (= 35.4) **or** $\left(\frac{38}{15} =\right) 2\frac{8}{15} (= 2.5....)$ **and** "$2\frac{8}{15}$"×"0.36" (= 0.912) **or** $\left(\frac{38}{15} =\right) 2\frac{8}{15} (= 2.5....)$ **and** "$2\frac{8}{15}$"×360 (= 912) or 360 ÷ 15 (= 24) **and** "24" × 38 (= 912) or "0.36" ÷ 15 (= 0.024) **and** "0.024" × 38 (= 0.912)			M1 calculations that compare the same amounts e.g. How much flour is needed for recipe and how much Johan has for each cake or Working out how many cakes Johann can make with his flour to compare with 38 cakes or Working out how much flour is needed to enable comparison with given figure of 0.85 kg
		No and correct figures seen		A1 No or statement that clearly states that there is not enough flour to make 38 cakes and correct figures - figures may be rounded in working and produce slightly different results which are acceptable eg "2.3(6…)" × 15 allow 34 – 36 Must compare 912 with 850 or implied by 62 seen
				Total 4 marks

6 ALT	0.85 × 1000 (= 850)		4	M1
	E.g. 15 + 15 (= 30) or 15 ÷ 2 (= 7(.5) or 8)			M1
	E.g. 15 + 15 + 7(.5) (= 37(.5)) or 15 + 15 + 8 (= 38)			M1
		No and 37(.5) or 38 seen		A1 oe No and 37(.5) or 38 seen
				Total 4 marks

6 ALT	0.85 × 1000 (= 850)		4	M1
	360 ÷ 15 (= 24)			M1
	E.g. for a build up method (360) 15 (360) 15 (24) 1 (24) 1 (24) 1 (24) 1 (24) 1 (24) 1 (864) 36			M1
		No and 36 seen		A1 oe No and 36 seen
				Total 4 marks

7 (c)	3 × 1000 (= 3000) **or** 225 ÷ 1000 (= 0.225)		4	M1
	"3000" ÷ 225 (= 13.3...) oe **or** 3 ÷ 0.225 (= 13.3...) oe			M1
	"3000" – ("13" × 225) **or** [3 – (13 × "0.225")] × 1000			M1 for a complete method
		75		A1