

<b>1</b>	$(BC \Rightarrow) 96 - 30 (=66)$		<b>3</b>	M1	
	$96 + (66 \div 3)$ oe			M1	
		118		A1	
<b>Total 3 marks</b>					

<b>2</b>	$4x$ or $x - 7$		<b>4</b>	M1	Correct expression for $B$ or $C$
	$x + 4x + x - 7 = 137$ oe			M1	Correct equation
	$x = 144 \div 6 (=24)$ or $6x = 144$			M1	Gathering up the $x$ 's and numbers Dep on previous M1
		17		A1	
<b>Total 4 marks</b>					

<b>3</b>	$25 \div 3 (= 8.(33...))$ or use of $8 \times 2 (= 16)$ or $8 \times 3 (= 24)$ or a diagram indicating 16 pens oe (eg 34 34 0, 34 34 0 etc showing need to pay for 16 pens [+1]) or a diagram indicating a minimum of 24 pens oe (eg 68 68 68 68 68 68 68)		<b>3</b>	M1	
	$34 \times '16' + 34$ oe $68+68+68+68+68+68+68+68+34$ oe			M1	for a complete method
	<i>Working not required, so correct answer scores full marks (unless from obvious incorrect working)</i>	578		A1	
<b>Total 3 marks</b>					

<b>4</b>	$19.35 \div (4 + 5) (= 2.15)$		<b>4</b>	M1	M2 for $\frac{5}{9} \times 19.35 (= 10.75)$
	$"2.15" \times 5 (= 10.75)$			M1	
	$\frac{12 - "10.75"}{12} \times 100$ oe or $100 - \frac{10.75 \times 100}{12}$ oe			M1	
	<i>Working not required, so correct answer scores full marks (unless from obvious incorrect working)</i>	10.4		A1	accept 10.4 – 10.42  SCB1 for $\frac{5}{9} \times 12 (= 6.66...)$ oe
<b>Total 4 marks</b>					

<b>5</b>	one of: Flour - $\frac{150 \times 10}{1500} \times 1.30 (= 1.30)$ Choc spread - $\frac{10 \times 250}{500} \times 2.60 (= 13)$ Eggs - $\frac{3 \times 10}{6} \times 1.10 (= 5.50)$	one of Flour - $\frac{150}{1500} \times 1.30 (= 0.13)$ Choc spread $\frac{250}{500} \times 2.60 (= 1.30)$ Eggs $\frac{3}{6} \times 1.10 (= 0.55)$		<b>5</b>	M1 No need for labels
	at least two of: Flour - $\frac{150 \times 10}{1500} \times 1.30 (= 1.30)$ Choc spread - $\frac{10 \times 250}{500} \times 2.60 (= 13)$ Eggs - $\frac{3 \times 10}{6} \times 1.10 (= 5.50)$	at least two of Flour - $\frac{150}{1500} \times 1.30 (= 0.13)$ Choc spread $\frac{250}{500} \times 2.60 (= 1.30)$ Eggs $\frac{3}{6} \times 1.10 (= 0.55)$			M1 No need for labels
	$120 \times 0.4 (= 48)$ oe	$12 \times 0.4 (= 4.80)$			M1 indep
	(profit =) "48" – "1.30" – "13" – "5.50" or "48" – "19.80"	(profit = ) 10("4.80" – "0.13" – "1.30" – "0.55") or 10("4.80" – 1.98)			M1 complete method to calculate profit by subtracting 3 amounts, all of which must be correct or from correct working
			28.2(0)		A1
<b>Total 5 marks</b>					

<b>6</b>	2 : 3 : 15 oe or 20 or (1 : 5) $\times$ 3 or (1 : 5 =) 3 : 15 or 2n : 3n : 15n e.g. 4 : 6 : 30 or G(reen) = 2, O(range) = 3, Y(ellow) = 15		3	M1
	$\frac{2}{20}$ ' 280 oe or $14 \times 2$ or $\frac{2}{2+3+15}$ ' 280 oe or $\frac{2n}{2n+3n+15n}$ ' 280 oe			M1
	<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	28		A1 or 28 : 42 : 210 or 28 , 42 , 210 If not in this order must be labelled correctly
				<b>Total 3 marks</b>

<b>7</b>	(b)	eg (2000 $\div$ 400) $\times$ 125 <b>or</b> 2000 $\div$ (400 $\div$ 125)		2	M1 for a complete method
		<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	625		A1 cao