Question	Marking Scheme	Evidence
1.	ANS : 52900 tonnes • Know how to increase 8% • Know how to calculate amount • Calculate amount of waste • Round to 3 significant figures	• 1.08 • 42000 x 1.08^3 • 52907.904 • 52900 4 marks
2.	ANS: y = -2x + 18 • Know how to calculate gradient • Know how to find y intercept • Equation of the line correct	• m = $\frac{18-0}{0-9}$ = - $\frac{18}{9}$ = - 2 • c = 18 • y = -2x +18 3 marks
3. (a)	ANS :172 • Calculate the mean	• 172 1 mark
(b)	ANS: 4.8cm • Calculate $\left(x - \bar{x}\right)^2$ • Substitute into formula • Calculate standard deviation	• 1, 16, 16, 36, 4, 64, 1 • $\sqrt{\frac{138}{6}}$ • 4.8 3 marks
4.	ANS: £100 • Know how to calculate gross pay • Know how to work out savings • All calculations correct	• 218 + 40 x 0.8 (=250) • 250 ÷ 5 x 2 • 100 3 marks
5.	ANS: £4851.36 • Interpret loan table • Calculate total repayment • Calculate cost of loan	• 413.57 • 413.57 x 48 • 19851.36-15000 = 4851.36 3 marks
6.	ANS: £642.50 • Know how to calculate taxable income • Know how to calculate lower rate of tax • Know how to calculate upper rate of tax • Know how to calculate monthly tax • Calculate monthly tax bill	• 42000-5425 • 34600 x 0.2 • (36575-34600) x 0.4 • (6920 + 790) ÷ 12 • 642.50 5 marks
7.	ANS :25.3cm • Know how to find expression for volume of cylinder • Equate volume to 3260 • State value for h	• π x 6.4^2 x h • π x 6.4^2 x h = 3260 • 25.3 3 marks