Question	Marking scheme	Illustration of evidence
1.	ANS : £9625.93 • Know how to increase 4.5% • Know how to calculate amount • Know how to calculate interest • Answer rounded to nearest penny	• 1.045 • 50000 x 1.045^4 • 59625.93-50000 • 9625.93 4 marks
2.	ANS:£5.20 • Calculate number of hours at basic rate • Know how to calculate basic pay • Carry out all calculations correctly	• 40 + 3 x 2 • 239.20 ÷ 46 • 5.20 3 marks
3.(a)	ANS: 14.8 • Calculate the mean • Calculate $(x-\bar{x})^2$ • Substitute into formula • Calculate standard deviation	• 27 • 289, 81, 1, 25, 484 • $\sqrt{880/4}$ • 14.8 (disregard rounding) 4 marks
(b)	ANS: The physics marks were more consistent than the maths marks (since 6.8<14.8) • Valid comment about the spread of marks	• Valid comment 1 mark
(c)	ANS: y = $\frac{1}{2}x$+ 20 • Find gradient • State y-intercept • State equation of line	• m = $\frac{1}{2}$ (or equivalent) • c = 20 • y = $\frac{1}{2}x$ + 20 3 marks
(d)	ANS: 58% • calculate physics % using equation	• y = $\frac{1}{2}$ (76) + 20 = 58 1 mark
4.	ANS: £1976.40 • calculate taxable income • calculate lower rate of tax • calculate middle rate of tax • calculate total tax bill	• 15425 – 5225 (= 10200) • 2230 x 0.1(=223) • (10200-2230) x 0.22 (=1753.40) • 1976.40 4 marks
5.	ANS: 882 000m^3 • Know to subtract the volume of two cylinders • Correct substitution into formula • Correct substitution into formula • Calculate volume of aluminium • Round to 3 significant figures	• evidence of subtraction • π x 41^2 x900 • π x 37^2 x900 • 882159 • 882000 5 marks
6.	ANS: Accurate scale Drawing • Bearing measured accurate (±1mm) • Correct distance drawn • Completed scale drawing labelled	• Evidence • 90 / 10 = 9cm • Evidence 3 marks