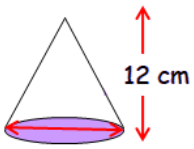
Name:	Date:
Question 1: Multiply out the following brackets and collect like terms; $(x+5)(x^2+3x+7)$	E+F 1·2a Bronze Outcome 3
Question 2: Calculate the volume of this cone;  	E+F 1·4c Silver Outcome 2
Question 3: Express $x^2-16x-3$ in the form $(x+a)^2+b$.	E+F 1·2c Bronze Outcome 1
Question 4:  The length of a ribbon decreased to 162 cm, a loss of 10%. What was the original length of the ribbon? 	APP 1·3a Silver Outcome 1
Question 5: Evaluate; $2\frac{1}{3}\times 1\frac{3}{8}$	APP 1·3b Gold Outcome 2
My score:	

Exam Questions

Question 1: Remove brackets and simplify $(2x+3)^2-3(x^2-6)$. **3**	You're on your own!
Question 2: **Factorise** $3x^2-7x+2$. **2**	E+F 1·2b Gold Outcome 3
Question 3: Ian's annual salary is £28 400. His boss tells him that his salary will increase by 2·3% per annum. What will Ian's annual salary be after 3 years? Give your answer to the nearest pound. **3**	APP 1·3a Silver Outcome 2
Question 4: $P = R^2b - 5$ Change the subject of the formula to R. **3**	REL 1·1e Silver Outcome 2
Question 5: There are 14 cars and 60 passengers on the morning crossing of the ferry from Wemyss Bay to Rothesay. The total takings are £344·30. (a) Let x pounds be the cost for a car and y pounds be the cost for a passenger. Write down an equation in x and y which satisfies the above condition. **1** (b) There are 21 cars and 40 passengers on the evening crossing of the ferry. The total takings are £368·95. Write down a second equation in x and y which satisfies this condition. **1** (c) Find the cost for a car and the cost for a passenger on the ferry. **4**	REL 1·1d Gold Outcome 1

My score: