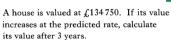
Name:	Date:
Question 1:	E+F 1·4c Silver Outcome 2
Calculate the volume of this cone;	
13 mm →	
Question 2:	E+F 1·2a Bronze Outcome 3
Multiply out the following brackets and collect like terms;	
$(3x-4)(x^2-8x-9)$	
Question 3:	E+F 1·1b Gold Outcome 2
Evaluate;	
$125^{\frac{2}{3}}$	
Question 4:	REL 1.4a Silver Outcome 1
Calculate the value of the missing angles in the circle below.	
h° 62°	
Question 5:	REL 1·1c Gold Outcome 1
Solve the following equation;	
$5x - 4 = \frac{7x + 1}{2}$	
My score:	

Exam Questions 🖓 🐴 🦄



Question 1:

It is estimated that house prices will increase at the rate of 3.15% per annum.



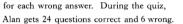
Give your answer correct to four significant figures.



APP 1.3a Silver Outcome 2

Question 2:

Alan is taking part in a quiz. He is awarded x points for each correct answer and y points for each wrong answer. During the quiz,



He scores 60 points.

(a) Write down an equation in x and y which satisfies the above condition.

Helen also takes part in the quiz. She gets 20 questions correct and 10 wrong. She scores 40 points.

(b) Write down a second equation in x and y which satisfies this condition.

(c) Calculate the score for David who gets 17 correct and 13 wrong.





REL 1.1d Gold Outcome 1

Question 3:

The heights, in millimetres, of six seedlings are given below.









(ii) the standard deviation; (i) the mean; of these heights.

Show clearly all your working.

(b) Later the same six seedlings are measured again. Each has grown by 4 millimetres.

(i) the mean; (ii) the standard deviation; of the new heights.



Question 4:

Solve the equation

$$2x^2 + 3x - 1 = 0,$$

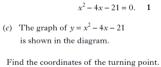
giving your answers correct to one decimal place.



E+F 1·3a Gold Outcome 3

Question 5:

- (a) Factorise $x^2 4x 21$.
- (b) Hence write down the roots of the equation





REL 1.2 Gold Outcome 3

My score: