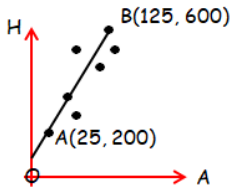
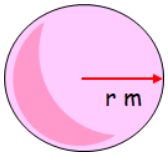
Name:	Date:
Question 1: Factorise the following expression; $w^2 + 9w + 20$	E+F 1·2b Bronze Outcome 3
Question 2: Change the subject of the formula to a. $v = c + 2\sqrt{a}$	REL 1·1e Silver Outcome 2
Question 3: Calculate the equation of the line of best fit for the following scatter graph.  Give the equation in it's simplest form.	APP 1·4 Bronze Outcome 3
Question 4: Evaluate; $7\frac{5}{7} - 1\frac{3}{5}$	APP 1·3b Gold Outcome 1
Question 5:  This sphere has a volume of 44 579·63 m³.  Calculate it's radius.	E+F 1·4c Gold Outcome 3
My score:	

Exam Questions

Question 1:

This year Adèle paid £465 for her car insurance.

This is an increase of 20% on last year's payment.

How much did Adèle pay last year? **3**

APP 1·3a Bronze Outcome 1

Question 2:

Joan buys gold and silver charms to make bracelets.

2 gold charms and 5 silver charms cost £125.

(*a*) Let g pounds be the cost of one gold charm and s pounds be the cost of one silver charm.

Write down an equation in terms of g and s to illustrate the above information. 1

4 gold charms and 3 silver charms cost £145.

(*b*) Write down another equation in terms of g and s to illustrate this information. 1

(*c*) Hence calculate the cost of each type of charm. 3

REL 1·1d Gold Outcome 1

Question 3:

Express

$$\sqrt{63}+\sqrt{28}-\sqrt{7}$$

as a surd in its simplest form. **3**

E+F 1·1a Silver Outcome 1

Question 4:

Express $\frac{5p^2}{8} \div \frac{p}{2}$ as a fraction in its simplest form. **3**

E+F 1·3 Gold Outcome 4

Question 5:

Solve the equation

$$x^2 + 5x + 3 = 0,$$

giving the roots correct to one decimal place. **4**

REL 1·3a Bronze Outcome 3

My score: