Name:	Date:
Question 1:	E+F 1·2a Bronze Outcome 2
Multiply out the following brackets and collect like terms;	
(x+2)(x+7)	
Question 2:	E+F 1·2b Silver Outcome 3
Factorise the following expression;	
$y^2 + 2y - 63$	
Question 3:	E+F 1·2b Gold Outcome 2
Factorise the following expression;	
$6c^2 - 24$	
Question 4:	E+F 1·2c Bronze Outcome 1
Express $x^2 + 8x + 12$ in the form $(x+p)^2 + q$ .	
Question 5:	∠ APP 1·3a Bronze Outcome 1
A painting was sold for £247.  This was 30% more than it's cost price.	
What was the painting bought for?	
My score:	

# Exam Questions A A A



#### Question 1:

Multiply out the brackets and collect like terms.

$$(x-3)(x^2+4x-1)$$

E+F 1·2a Gold Outcome 3

### Question 2:

Factorise  $9a^2 - 25$ .



E+F 1.2b Silver Outcome 2

#### Question 3:

Mark takes some friends out for a meal.

The restaurant adds a 10% service charge to the price of the meal.



What was the price of the meal?





APP 1.3a Bronze Outcome 1







Express  $f(x) = x^2 - 4x + 5$  in

the form  $f(x) = (x - a)^2 + b$ .

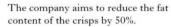


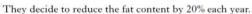


E+F 1.2c Bronze Outcome 1

#### Question 5:

A company makes large bags of crisps which contain 90 grams of fat.





Will they have achieved their aim by the end of the 3rd year?

Justify your answer.







APP 1.3a Bronze Outcome 2

## My score: