



Pearson
Edexcel

Name: _____

BennettMaths Edexcel 1F – Part 2

12 Here are 8 numbers.

13 5 6 11 3 7 6 5

Work out the mean.

.....
(Total for Question 12 is 2 marks)

13 (a) Simplify $\frac{15h}{5}$

.....
(1)

(b) Simplify $21 - 7b + 4c + 5b - c$

.....
(2)

(c) Factorise $9d - 6$

.....
(1)
(Total for Question 13 is 4 marks)

14 Last week, 67% of the tickets sold for a pantomime were children's tickets.

(a) What percentage of the tickets sold were **not** children's tickets?

.....%
(1)

Some people watched another pantomime.

number of adults : number of children = 3 : 8

(b) What fraction of these people were adults?

.....
(1)

On Friday,

200 people saw a play at the theatre.

12% of these people were children.

On Saturday,

240 people saw a play at the theatre.

$\frac{1}{8}$ of these people were children.

Karen thinks more children saw a play on Saturday than on Friday.

(c) Is Karen correct?

You must show how you get your answer.

(3)

(Total for Question 14 is 5 marks)

15 Work out $\frac{4}{7} \times \frac{11}{12}$

Give your answer as a fraction in its simplest form.

.....
(Total for Question 15 is 2 marks)

16 Here is the list of ingredients for making 15 biscuits.

Ingredients for 15 biscuits 120 g butter 80 g sugar 220 g flour
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Helen wants to make 60 biscuits.

How much sugar does Helen need?

..... g
(Total for Question 16 is 2 marks)

17 There are 200 counters in a bag.

52 counters are red.

73 counters are blue.

The rest of the counters are yellow or green.

There are twice as many yellow counters as green counters.

What percentage of the counters in the bag are green?

.....%

(Total for Question 17 is 4 marks)

18 Terry has m bags of lemons and n crates of lemons.

There are 7 lemons in each bag.

There are 32 lemons in each crate.

Terry has a total of A lemons.

Write a formula for A in terms of m and n .

.....

(Total for Question 18 is 3 marks)

- 19** Here are the first five terms of an arithmetic sequence.

-4 2 8 14 20

Find an expression, in terms of n , for the n th term of this sequence.

.....
(Total for Question 19 is 2 marks)

- 20** Work out $4.62 \div 0.12$

.....
(Total for Question 20 is 3 marks)
