

Name: _____

BennettMaths AQA 1F – Part 2

9

Match each box on the left to the box on the right with the same value.

One has been done for you.

[3 marks]

$\frac{1}{25}$	0.04
$\frac{1}{2}$	$\frac{2}{100}$
$\frac{1}{50}$	20%
$\frac{1}{4}$	$\frac{2}{6}$
	25%
	0.5

10 Here are two calculations, **A** and **B**.

A	$12 \times 2 + 6$
B	$11 - (10 - 7)$

Work out answer to **A** \times answer to **B**

[3 marks]

Answer _____

11 Convert 18 litres to gallons.

Use 1 gallon = 4.5 litres

[2 marks]

Answer _____ gallons

Turn over for the next question

12 The table shows the number of visitors to a museum.

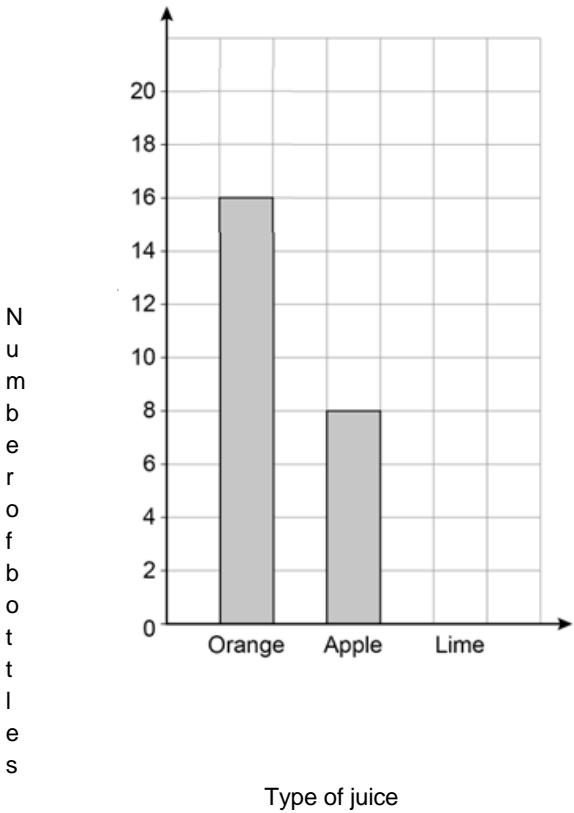
October	November
200	400

Write down the percentage increase from October to November.

[1 mark]

Answer _____ %

13 A shop stocks juice in the ratio
orange : apple : lime = 4 : 2 : 3



Complete the bar chart.

[3 marks]

13 Here is some data about people visiting a ski centre one week.

	Percentage of all visitors	Mean number of hours visiting	Range of number of hours visiting
Members	32	3.5	3
Guests	68	2	4

Compare the data for the members with the data for the guests.
Make **three** comparisons.

[3 marks]

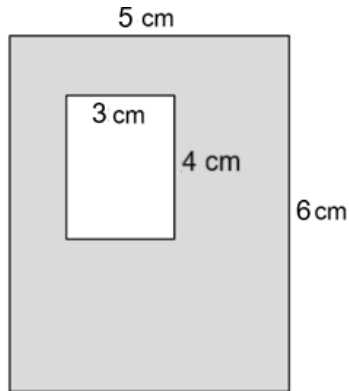
Comparison 1

Comparison 2

Comparison 3

Turn over for the next question

- 15** A large rectangle has a rectangular hole cut out.



N
o
t
d
r
a
w
n
a
c
c
u
r
a
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e
l
y

Work out the percentage of the large rectangle that is shaded.

Answer _____ %

[3 marks]

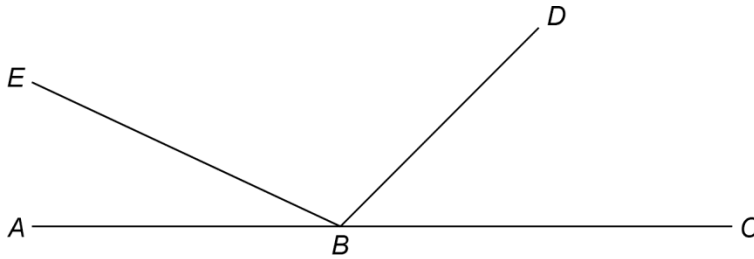
- 16** Sabina travels 12 miles in 15 minutes.

Work out her average speed in miles per hour.

[3 marks]

Answer _____ mph

17

 ABC , BD and BE are straight lines.N
o
t
d
r
a
w
n
a
c
c
u
r
a
t
e
l
yangle $EBD = 6 \times \text{angle } ABE$ angle $DBC = 3 \times \text{angle } ABE$ Work out the size of angle DBC .**[3 marks]**

Answer **Turn over for the next question** _____ °

18

Two prime numbers are multiplied together.

The answer is an **even** number between 40 and 50

Complete the calculation.

[3 marks]

$$\square \times \square = \square$$

19

Chloe and Mikey share some money in the ratio

3 : 4 Mikey gets £72

Chloe gives $\frac{1}{6}$ of her share to Pippa.

Mikey gives $\frac{4}{9}$ of his share to Pippa.

How much money does Pippa receive?

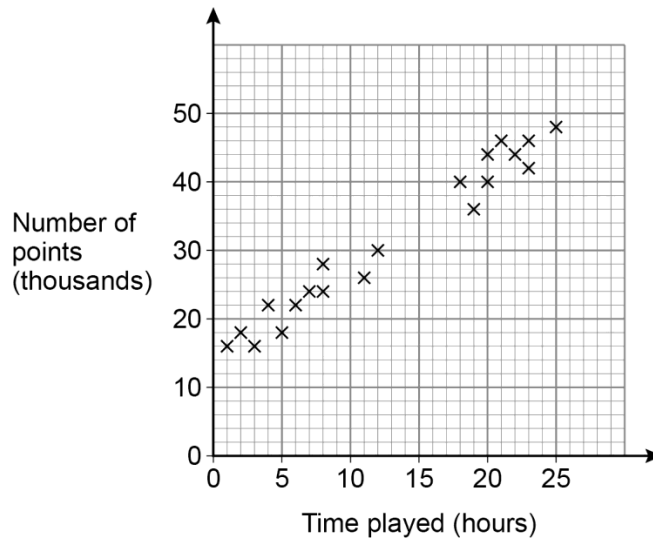
[4 marks]

Answer £ _____

20

Players score points in a game.

The scatter graph shows the time played and the points scored by some players.

**20 (a)** Circle the type of correlation shown.**[1 mark]**

none

weak

negative

positive

20 (b) Players get one extra life for every 500 points they score.

Amy plays the game for 10 hours.

Use a line of best fit to estimate the number of extra lives she gets.

[3 marks]

Answer _____

Turn over for the next question