

AQA - Fractions, decimals and percentages – GCSE Mathematics Paper 2

1. *June/2021/Paper_2F/No.3*

Circle the value of 0.15 as a fraction.

[1 mark]

$$\frac{1}{5}$$

$$\frac{1}{6}$$

$$\frac{3}{20}$$

$$\frac{3}{50}$$

2. *June/2021/Paper_2F/No.7*

6 cakes cost £10.74

Work out the cost of 11 of these cakes.

[2 marks]

Answer £ _____

4. June/2021/Paper_2H/No.14

The population of butterflies in a park is 4200

- (a) Assume that the population increases by 12% each day.

Show that after 20 days the population would be greater than 40 000

[2 marks]

- (b) In fact, the population
increases by 13% each day for 19 days
then
decreases by 8% for 1 day.

After the 20 days, is the actual population greater than 40 000 ?

Tick a box.

Yes

No

Show working to support your answer.

[2 marks]

- (c) The expected number of visitors to the park each day depends on the temperature.

Temperature	Expected number of visitors each day
Less than 21°C	700
21°C or more	900

On each of the 30 days in June

the park is open

the probability that the temperature is less than 21°C is 0.4

Work out the **total** number of expected visitors to the park in June.

[3 marks]

Answer _____