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]

 $\frac{1}{5}$

 $\frac{1}{6}$

3 20

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 £

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Lynn works as a bus driver.

She is paid £10.80 per hour for the first 38 hours she works each week.

She is paid 25% more per hour for each extra hour she works.

One week, Lynn was paid £491.40	
In total, how many hours did she work that week?	
You must show your working.	
	[5 marks]

hours

Answer

4. June/2021/Paper_2H/No.14

As	ssume that the population increases by 12% each day.	
SI	how that after 20 days the population would be greater than 40 000	[7
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ln	n fact, the population	
ln	increases by 13% each day for 19 days then	
	increases by 13% each day for 19 days then decreases by 8% for 1 day.	
Αf	increases by 13% each day for 19 days then decreases by 8% for 1 day. Ifter the 20 days, is the actual population greater than 40 000?	
Αf	increases by 13% each day for 19 days then decreases by 8% for 1 day.	

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(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