

GCSE Mathematics

F

The Probability Scale

Foundation Tier | Grades 1-3

Total Marks	Time	Questions
28	28 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions

Q1 

Grade 1

Edexcel style

The probability that an event happens is 0.1. State whether this is best described as impossible, unlikely, an even chance, likely, or certain.

Answer _____

teachably

[1 mark]

Q2 

Grade 2

Edexcel style

Put these probabilities in order, starting with the least likely: 0.3, 0.65, 0.1, 0.8

Answer _____

teachably

[2 marks]

Q3 

Grade 1

Edexcel style

A fair 6-sided dice is rolled. Write down the probability that the score is 7.

Answer _____

teachably

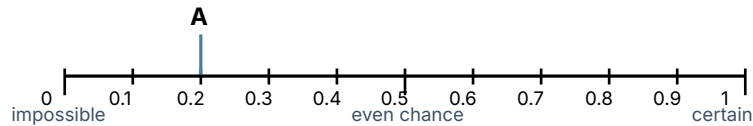
[1 mark]

Q4

Grade 2

Edexcel style

The probability scale below shows the probability of an event, marked with the letter A. Write down the value of this probability.



Answer _____

teachably

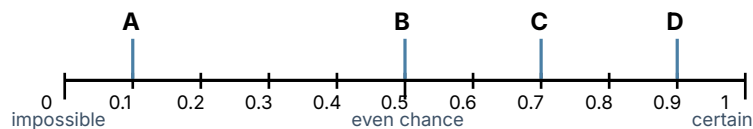
[1 mark]

Q5

Grade 3

Edexcel style

The probability scale below shows four points, A, B, C and D. A fair coin is flipped. Which point best represents the probability that it lands on tails?



Answer _____

teachably

[2 marks]

AQA-style questions**Q6** 

Grade 1

AQA style

The probability that an event happens is 0.9. State whether this is best described as impossible, unlikely, an even chance, likely, or certain.

Answer _____

teachably

[1 mark]**Q7** 

Grade 2

AQA style

Put these probabilities in order, starting with the least likely: 0.55, 0.2, 0.9, 0.05

Answer _____

teachably

[2 marks]**Q8** 

Grade 1

AQA style

A fair 6-sided dice is rolled. Write down the probability that the score is less than 7.

Answer _____

teachably

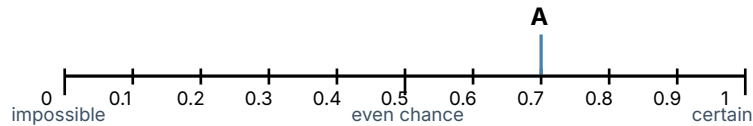
[1 mark]

Q9

Grade 2

AQA style

The probability scale below shows the probability of an event, marked with the letter A. Write down the value of this probability.



Answer _____

teachably

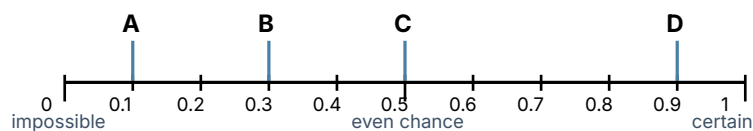
[1 mark]

Q10

Grade 3

AQA style

The probability scale below shows four points, A, B, C and D. A fair 6-sided dice is rolled. Which point best represents the probability that it shows an even number?



Answer _____

teachably

[2 marks]

OCR-style questions**Q11** 

Grade 1

OCR style

The probability that an event happens is 0.5. State whether this is best described as impossible, unlikely, an even chance, likely, or certain.

Answer _____

teachably

[1 mark]

Q12 

Grade 2

OCR style

Put these probabilities in order, starting with the least likely: $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{10}$

Answer _____

teachably

[2 marks]

Q13 

Grade 2

OCR style

A bag contains only red counters. A counter is picked at random. Write down the probability that it is blue.

Answer _____

teachably

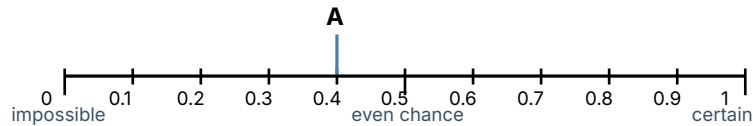
[1 mark]

Q14

Grade 2

OCR style

The probability scale below shows the probability of an event, marked with the letter A. Write down the value of this probability.



Answer _____

teachably

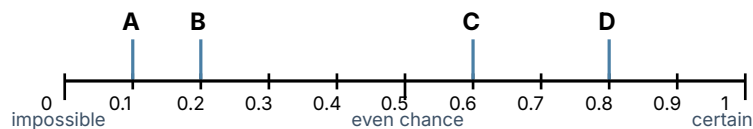
[1 mark]

Q15

Grade 3

OCR style

The probability scale below shows four points, A, B, C and D. A spinner has 5 equal sections numbered 1 to 5. Which point best represents the probability that it lands on a number greater than 4?



Answer _____

teachably

[2 marks]

Teachably-style questions**Q16**

Grade 1

Teachably style

The probability that an event happens is 1. State whether this is best described as impossible, unlikely, an even chance, likely, or certain.

Answer _____

teachably

[1 mark]

Q17

Grade 2

Teachably style

Put these probabilities in order, starting with the least likely: 0.15, 0.6, 0.35, 0.05

Answer _____

teachably

[2 marks]

Q18

Grade 2

Teachably style

A bag contains only red counters. A counter is picked at random. Write down the probability that it is red.

Answer _____

teachably

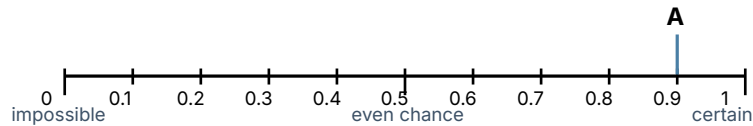
[1 mark]

Q19

Grade 2

Teachably style

The probability scale below shows the probability of an event, marked with the letter A. Write down the value of this probability.



Answer _____

teachably

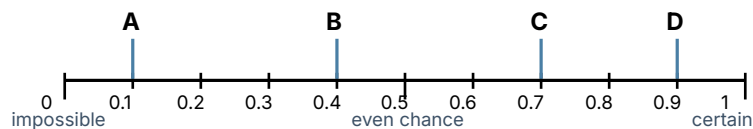
[1 mark]

Q20

Grade 3

Teachably style

The probability scale below shows four points, A, B, C and D. A bag has 10 balls, 4 of which are yellow. A ball is picked at random. Which point best represents the probability that it is yellow?



Answer _____

teachably

[2 marks]

END OF PAPER

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