

Place a probability on a 0 to 1 scale

NAME	DATE	SCORE
		/ 10

- 1** A bag has 6 red marbles and 7 green marbles. Ana picks one marble without looking. The chance scale below runs from 0 to 1. Which point shows the chance of picking a yellow marble? Circle it.

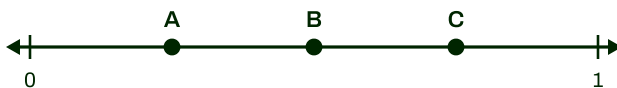


- 2** Match each event to its probability.

- | | | | |
|---|---|---|---------------|
| A | Picking a red marble from a bag of 4 red marbles | 1 | $\frac{1}{4}$ |
| B | Picking a green marble from a bag of 4 red and 2 blue marbles | 2 | 0 |
| C | Picking a red marble from a bag of 2 red and 2 blue marbles | 3 | 1 |
| D | Picking a red marble from a bag of 3 red and 9 blue marbles | 4 | $\frac{1}{2}$ |

A → B → C → D →

- 3** A spinner has 4 equal parts: 3 are green and 1 is yellow. Emma spins the spinner once. The chance scale below runs from 0 to 1. Which point shows the chance of landing on green? Circle it.

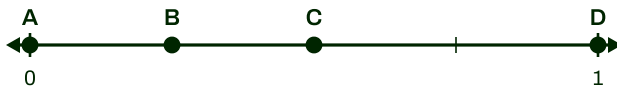


4 Match each event to its probability.

- | | | | |
|----------|---|----------|---------------|
| A | Picking a green marble from a bag of 8 red and 2 blue marbles | 1 | 0 |
| B | Picking a red marble from a bag of 2 red and 6 blue marbles | 2 | $\frac{1}{2}$ |
| C | Picking a red marble from a bag of 8 red marbles | 3 | $\frac{1}{4}$ |
| D | Picking a red marble from a bag of 2 red and 2 blue marbles | 4 | 1 |

A → **B** → **C** → **D** →

5 A bag has 3 green marbles and 1 yellow marble. Emma picks one marble without looking. The chance scale below runs from 0 to 1. Which point shows the chance of picking a yellow marble? Circle it.



6 Match each event to its probability.

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|----------|---|----------|---------------|
| A | Picking a green marble from a bag of 5 red and 4 blue marbles | 1 | $\frac{1}{4}$ |
| B | Picking a red marble from a bag of 4 red and 4 blue marbles | 2 | 0 |
| C | Picking a red marble from a bag of 5 red marbles | 3 | $\frac{1}{2}$ |
| D | Picking a red marble from a bag of 2 red and 6 blue marbles | 4 | 1 |

A → **B** → **C** → **D** →

7 On a chance scale from 0 to 1, which number shows an event that is certain?

☐ 0 ☐ $\frac{1}{2}$ ☐ 1

8 Match each event to its probability.

- | | | | |
|----------|---|----------|---------------|
| A | Picking a red marble from a bag of 5 red marbles | 1 | $\frac{1}{2}$ |
| B | Picking a red marble from a bag of 6 red and 6 blue marbles | 2 | 0 |
| C | Picking a red marble from a bag of 3 red and 9 blue marbles | 3 | $\frac{1}{4}$ |
| D | Picking a green marble from a bag of 5 red and 6 blue marbles | 4 | 1 |

A → **B** → **C** → **D** →

9 A number cube has the numbers 1 to 6. Noah rolls the cube once. The chance scale below runs from 0 to 1. Which point shows the chance of rolling a number less than 7? Circle it.



10 Match each event to its probability.

- | | | | |
|----------|---|----------|---------------|
| A | Picking a red marble from a bag of 4 red marbles | 1 | $\frac{1}{2}$ |
| B | Picking a red marble from a bag of 3 red and 3 blue marbles | 2 | 1 |
| C | Picking a green marble from a bag of 4 red and 3 blue marbles | 3 | $\frac{1}{4}$ |
| D | Picking a red marble from a bag of 2 red and 6 blue marbles | 4 | 0 |

A → **B** → **C** → **D** →

Place a probability on a 0 to 1 scale

1 A	2 A → 3, B → 2, C → 4, D → 1
3 C	4 A → 1, B → 3, C → 4, D → 2
5 B	6 A → 2, B → 3, C → 4, D → 1
7 1	8 A → 4, B → 1, C → 3, D → 2
9 D	10 A → 2, B → 1, C → 4, D → 3