

Place a probability on a 0 to 1 scale

NAME	DATE	SCORE / 10
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1 On a chance scale from 0 to 1, an event is at $\frac{1}{2}$. Which words describe the event?

☐ Impossible ☐ Even chance ☐ Certain

2 Match each event to its probability.

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

A → **B** → **C** → **D** →

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



4 Match each event to its probability.

- | | |
|--|------------------------|
| A Picking a green marble from a bag of 7 red and 2 blue marbles | 1 $\frac{1}{4}$ |
| B Picking a red marble from a bag of 7 red marbles | 2 $\frac{1}{2}$ |
| C Picking a red marble from a bag of 2 red and 6 blue marbles | 3 1 |
| D Picking a red marble from a bag of 2 red and 2 blue marbles | 4 0 |

A → **B** → **C** → **D** →

5 On a chance scale from 0 to 1, an event is at 1. Which words describe the event?

☐ Impossible ☐ Even chance ☐ Certain

6 Match each event to its probability.

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

A → **B** → **C** → **D** →

7 A bag has 3 red marbles and 1 blue marble. Leo picks one marble without looking. The chance scale below runs from 0 to 1. Which point shows the chance of picking a red marble? Circle it.



8 Match each event to its probability.

- | | |
|--|------------------------|
| A Picking a red marble from a bag of 7 red marbles | 1 1 |
| B Picking a red marble from a bag of 6 red and 6 blue marbles | 2 $\frac{1}{4}$ |
| C Picking a green marble from a bag of 7 red and 6 blue marbles | 3 0 |
| D Picking a red marble from a bag of 3 red and 9 blue marbles | 4 $\frac{1}{2}$ |

A → **B** → **C** → **D** →

9

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



10

Match each event to its probability.

- A** Picking a red marble from a bag of 3 red and 9 blue marbles
- B** Picking a green marble from a bag of 5 red and 5 blue marbles
- C** Picking a red marble from a bag of 5 red marbles
- D** Picking a red marble from a bag of 5 red and 5 blue marbles

1 0

2 $\frac{1}{4}$

3 1

4 $\frac{1}{2}$

A → **B** → **C** → **D** →

Place a probability on a 0 to 1 scale

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