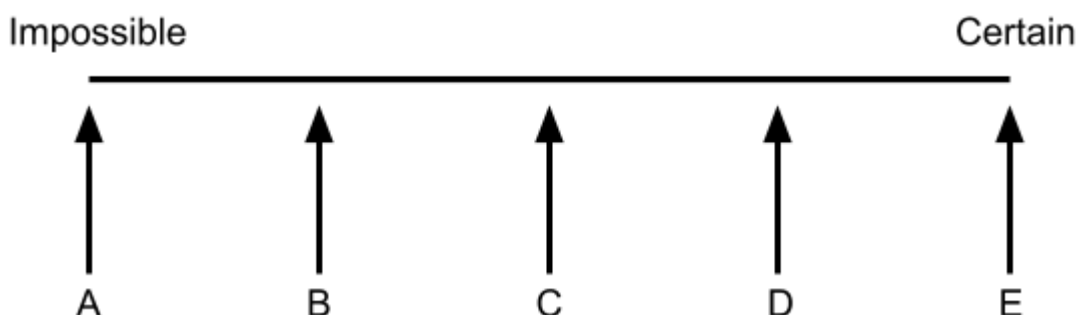


Q1 (Probability) Day 155 **Name:** _____

1. John has **10 socks** in a drawer. **5 socks are black, 2 socks are red and the rest are white.** He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: John picks a **black or red** sock

Outcome ____: John picks a **green** sock

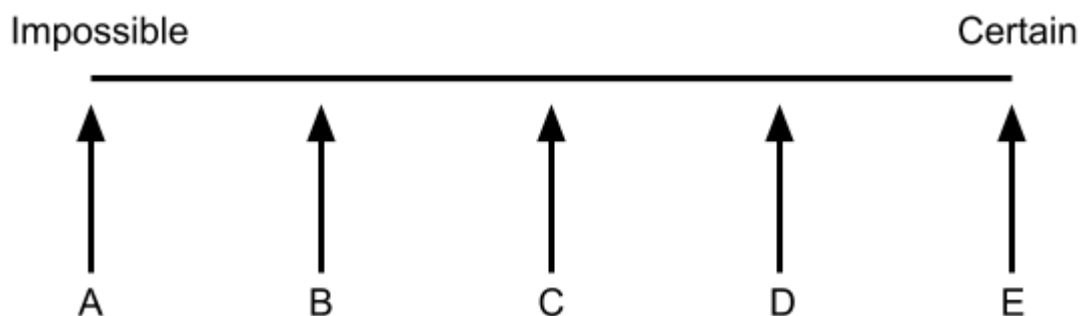
Outcome ____: John picks a **white** sock

Outcome ____: John picks a **red** sock

Outcome ____: John picks a **black** sock

2. Ruth has **20 socks** in a drawer. **4** socks are **black**, **9** socks are **red** and **the rest are white**. She **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Ruth picks a **pink** sock

Outcome ____: Ruth picks a **red** sock

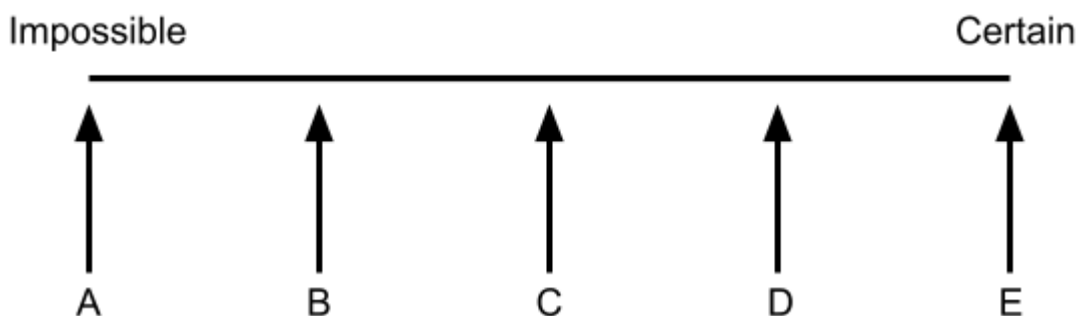
Outcome ____: Ruth picks a **black** sock

Outcome ____: Ruth picks a **white** sock

Outcome ____: Ruth picks a **black or white** sock

3. Grace has **24 socks** in a drawer. **2** socks are **black**, **9** socks are **red** and **the rest are white**. She **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Grace picks a **red** sock

Outcome ____: Grace picks a **black** sock

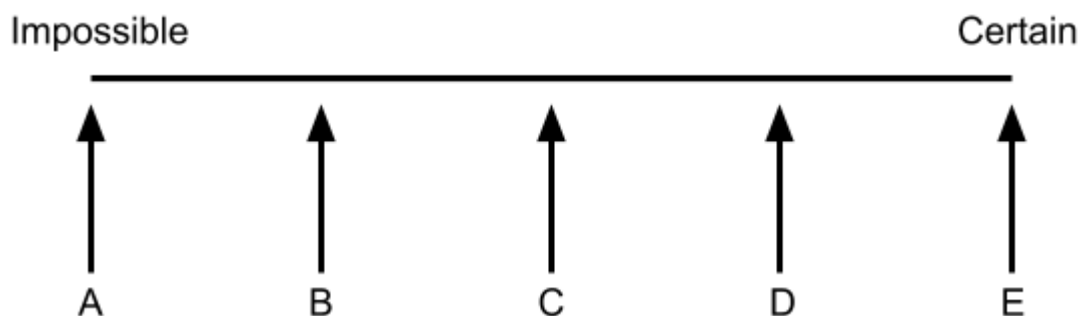
Outcome ____: Grace picks a **white** sock

Outcome ____: Grace picks a **red or black** sock

Outcome ____: Grace picks a **purple** sock

4. Sam has **28 socks** in a drawer. **9** socks are **black**, **8** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Sam picks a **red** sock

Outcome ____: Sam picks an **orange** sock

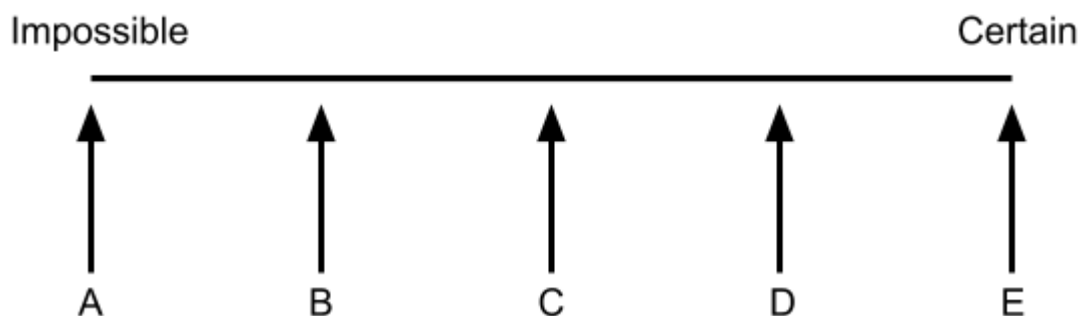
Outcome ____: Sam picks a **white** sock

Outcome ____: Sam picks a **black or red** sock

Outcome ____: Sam picks a **black** sock

5. Clare has **30 socks** in a drawer. **14** socks are **black**, **7** socks are **red** and **the rest are white**. She **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Clare picks a **red** sock

Outcome ____: Clare picks a **yellow** sock

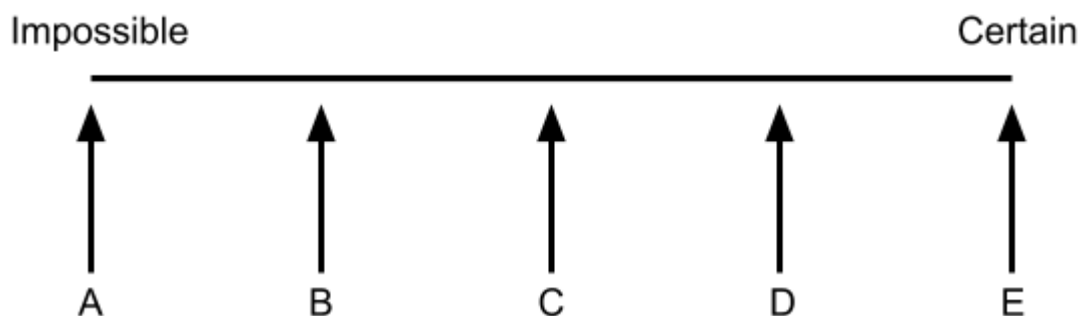
Outcome ____: Clare picks a **white** sock

Outcome ____: Clare picks a **black** sock

Outcome ____: Clare picks a **red or white** sock

6. Gemma has **34 socks** in a drawer. **5 socks are black, 16 socks are red and the rest are white.** She **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Gemma picks a **pink** sock

Outcome ____: Gemma picks a **white** sock

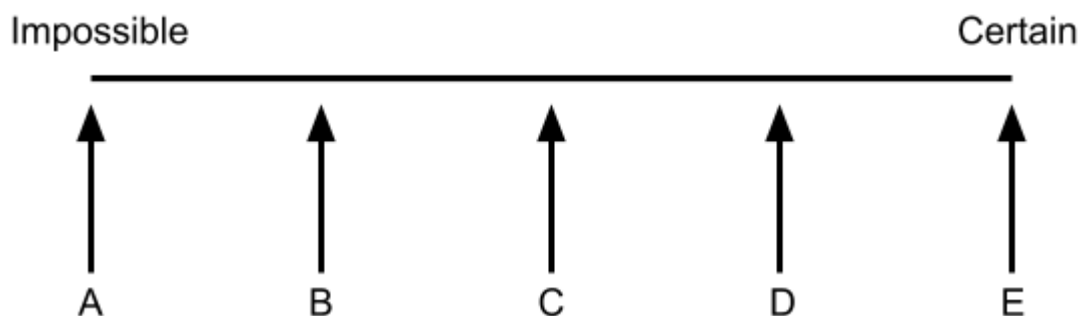
Outcome ____: Gemma picks a **black** sock

Outcome ____: Gemma picks a **red** sock

Outcome ____: Gemma picks a **black or red** sock

7. Derek has **36 socks** in a drawer. **12** socks are **black**, **11** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Derek picks a **red or white** sock

Outcome ____: Derek picks a **yellow** sock

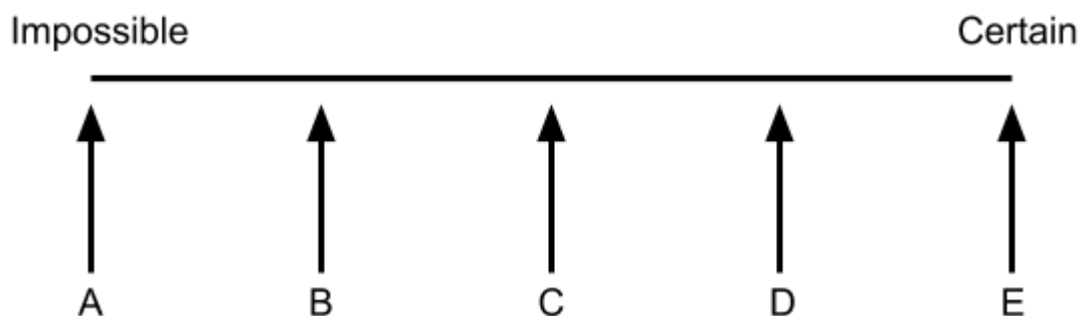
Outcome ____: Derek picks a **red** sock

Outcome ____: Derek picks a **white** sock

Outcome ____: Derek picks a **black** sock

8. Isla has **40 socks** in a drawer. **19** socks are **black**, **11** socks are **red** and **the rest are white**. She **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Isla picks a **black** sock

Outcome ____: Isla picks a **white** sock

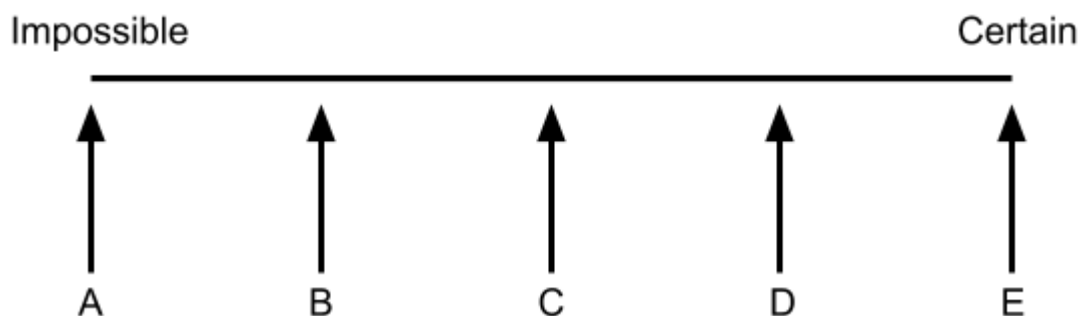
Outcome ____: Isla picks a **red or white** sock

Outcome ____: Isla picks a **red** sock

Outcome ____: Isla picks a **yellow** sock

9. Michael has **45 socks** in a drawer. **6** socks are **black**, **15** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Michael picks a **yellow** sock

Outcome ____: Michael picks a **black** sock

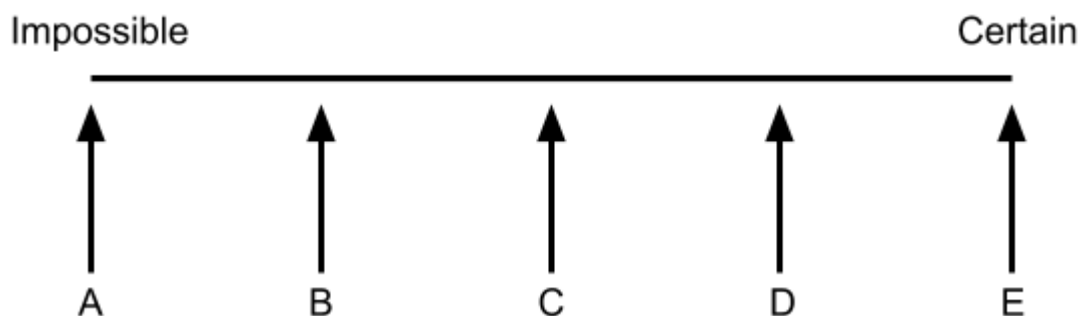
Outcome ____: Michael picks a **white** sock

Outcome ____: Michael picks a **black or red** sock

Outcome ____: Michael picks a **red** sock

10. Toby has **48 socks** in a drawer. **21** socks are **black**, **7** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Toby picks a **white** sock

Outcome ____: Toby picks a **black or white** sock

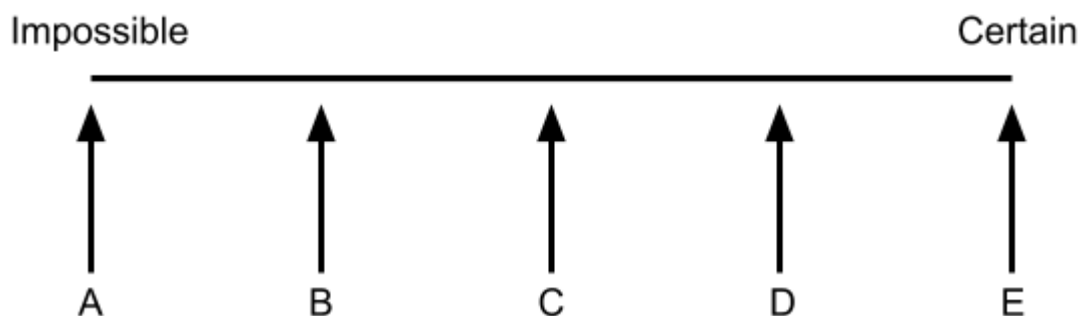
Outcome ____: Toby picks a **red** sock

Outcome ____: Toby picks a **black** sock

Outcome ____: Toby picks a **pink** sock

11. Aaron has **57 socks** in a drawer. **12** socks are **black**, **21** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Aaron picks a **black** sock

Outcome ____: Aaron picks a **black or white** sock

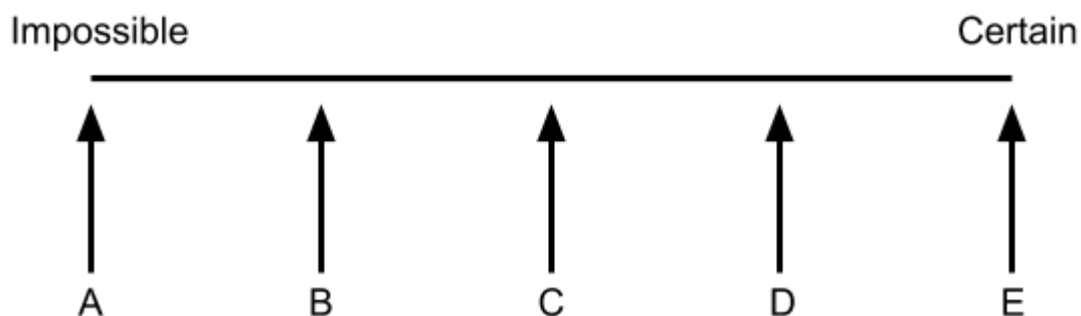
Outcome ____: Aaron picks an **orange** sock

Outcome ____: Aaron picks a **red** sock

Outcome ____: Aaron picks a **white** sock

12. Patrick has **65 socks** in a drawer. **33** socks are **black**, **14** socks are **red** and **the rest are white**. He **picks out a sock at random** from the drawer.

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



He **picks out a sock at random** from the drawer. Each statement below can be completed by **choosing a letter**. Complete each statement using a letter from the probability line.

Outcome ____: Patrick picks a **yellow** sock

Outcome ____: Patrick picks a **red** sock

Outcome ____: Patrick picks a **white** sock

Outcome ____: Patrick picks a **red or white** sock

Outcome ____: Patrick picks a **black** sock

Answers

- 1. EACBD**
- 2. ADBCE**
- 3. CBEDA**
- 4. BADEC**
- 5. BACDE**
- 6. ACBDE**
- 7. EABDC**
- 8. DBECA**
- 9. ABEDC**
- 10. CEBDA**
- 11. BEACD**
- 12. ABCDE**