

**Q2 (Probability) Day 27 Name:** \_\_\_\_\_

1. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

**A:** The number is a **square number**.

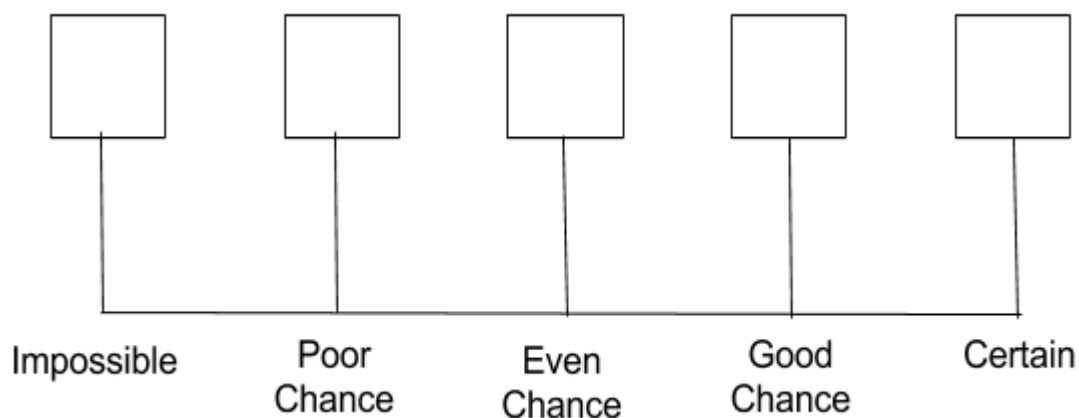
**B:** The number is **negative**.

**C:** The number is a **factor of 12**.

**D:** The number is **less than 25**.

**E:** The number is **25 or less**.

Write the **letters A to E** in the correct box on the probability line below.



2. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

**A:** The number is a **triangular number**.

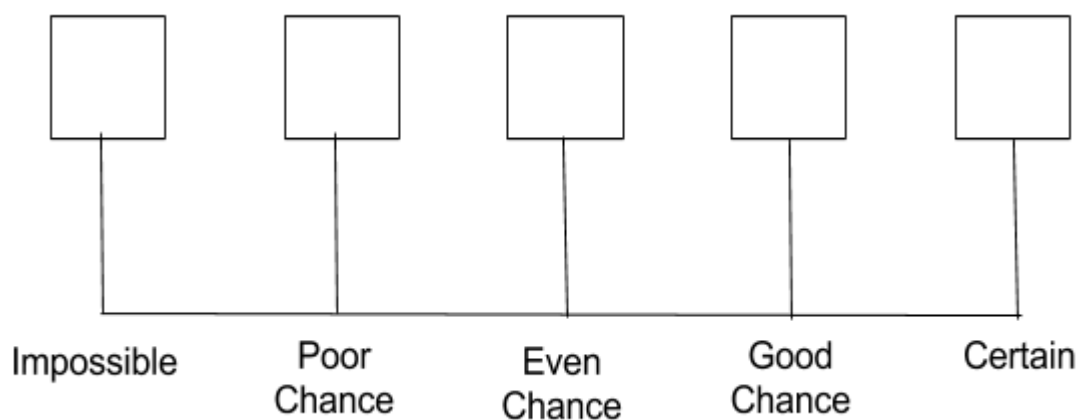
**B:** The number is **multiple of 3**.

**C:** The number is a **prime number**.

**D:** The number is **more than 9**.

**E:** The number is **negative**.

Write the **letters A to E** in the correct box on the probability line below.



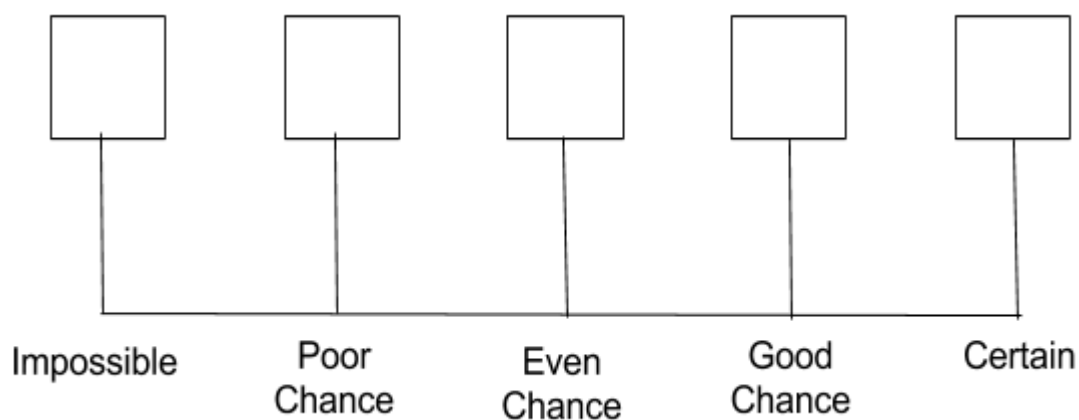
3. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is a **multiple of 8**.
- B:** The number is **less than 1**.
- C:** The number is a **prime number**.
- D:** The number is **less than 32**.
- E:** The number is **odd or even**.

Write the **letters A to E** in the correct box on the probability line below.



4. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

**A:** The number is a **prime number**.

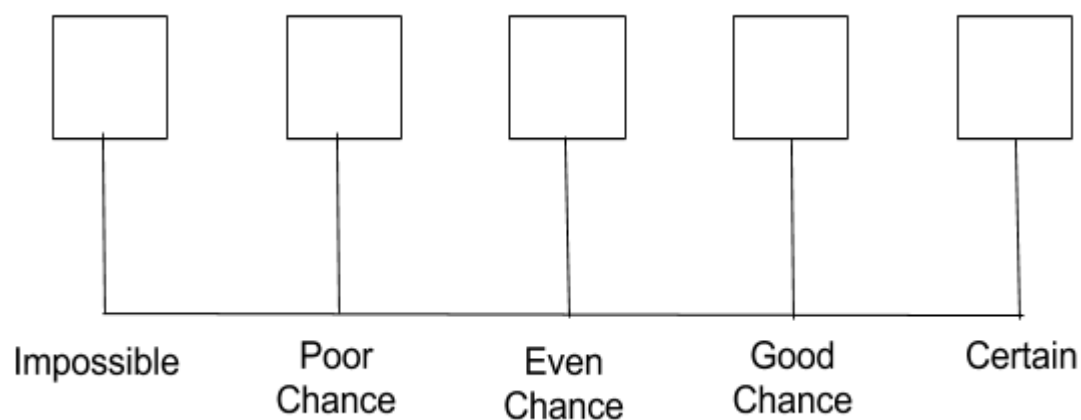
**B:** The number is a **square number**.

**C:** The number is a **cubed number**.

**D:** The number is a **number more than 8**.

**E:** The number is a **number more than 8**.

Write the **letters A to E** in the correct box on the probability line below.



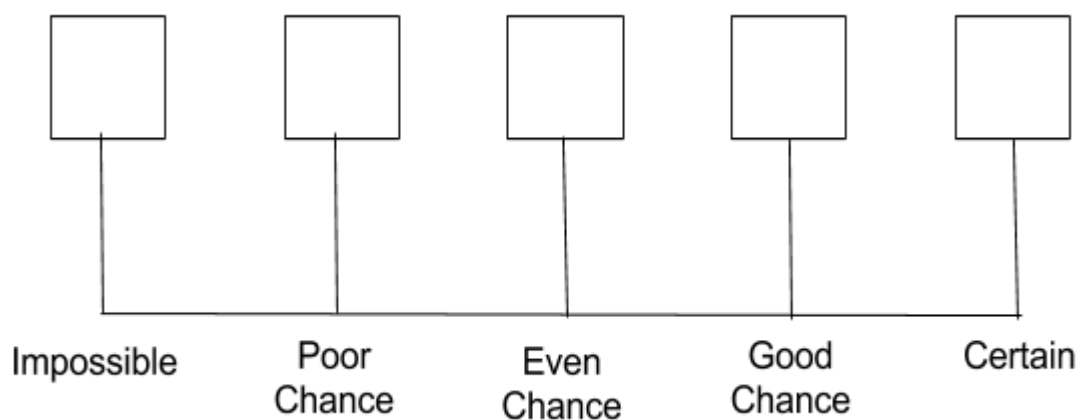
5. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **multiple of 2**.
- B:** The number is **a factor of 15**.
- C:** The number is **a prime number**.
- D:** The number is **less than 3**.
- E:** The number is **odd**.

Write the **letters A to E** in the correct box on the probability line below.



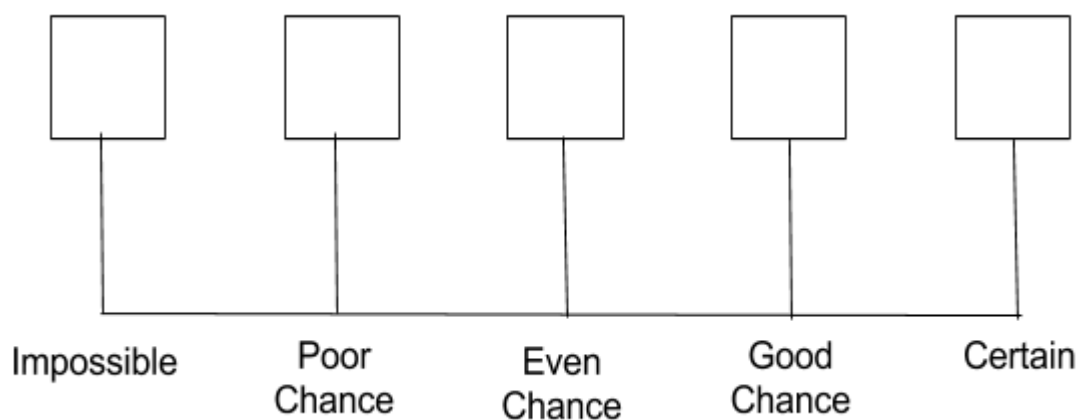
6. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is a **multiple of 7**.
- B:** The number is a **number 7 or less**.
- C:** The number is **more than 5**.
- D:** The number is **less than 24**.
- E:** The number is a **multiple of 3**.

Write the **letters A to E** in the correct box on the probability line below.



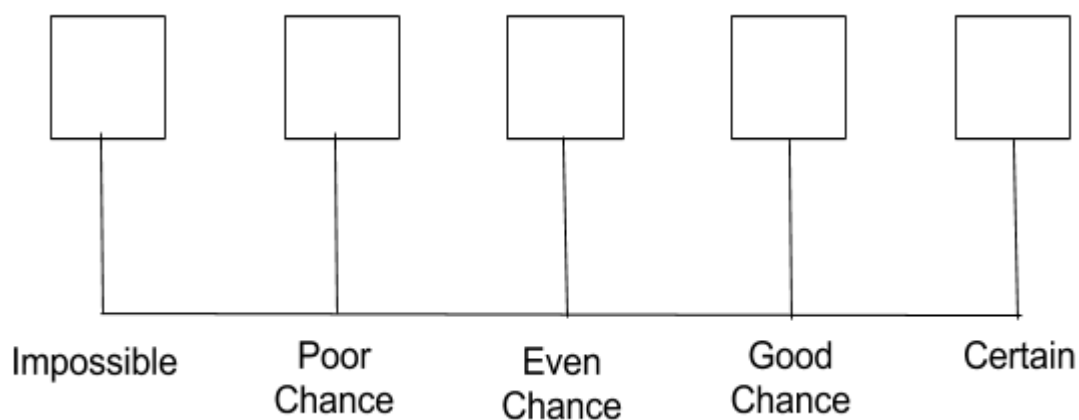
7. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **more than 8**.
- B:** The number is **a square number**.
- C:** The number is **a prime number**.
- D:** The number is **a cubed number**.
- E:** The number is **even**.

Write the **letters A to E** in the correct box on the probability line below.



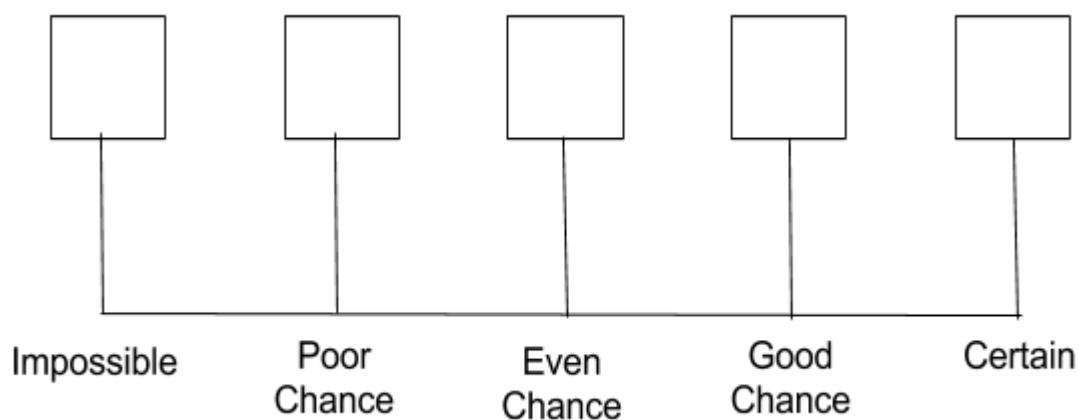
8. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **multiple of 9**.
- B:** The number is **a number less than 64**
- C:** The number is **a prime number**.
- D:** The number is **a square number**.
- E:** The number is **1**.

Write the **letters A to E** in the correct box on the probability line below.



9. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

**A:** The number is **factor of 15**.

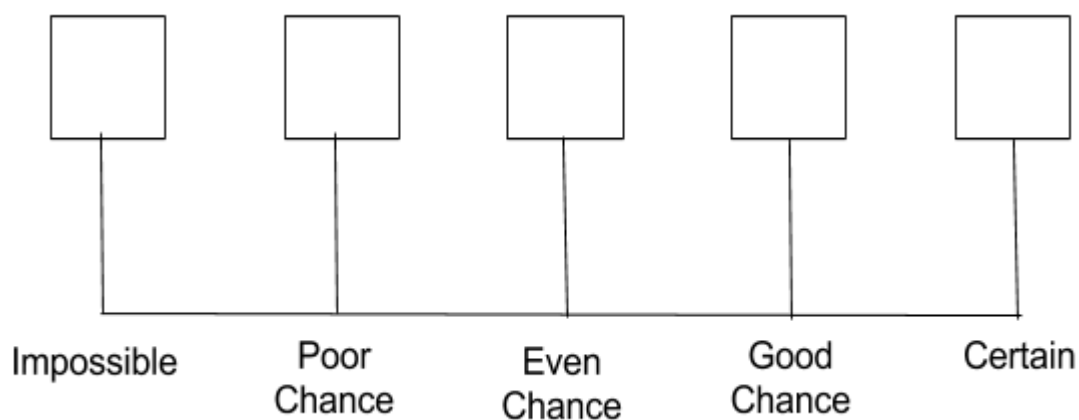
**B:** The number is **a triangular number**.

**C:** The number is **multiple of 3**.

**D:** The number is **a negative number**.

**E:** The number is **a prime number**.

Write the **letters A to E** in the correct box on the probability line below.



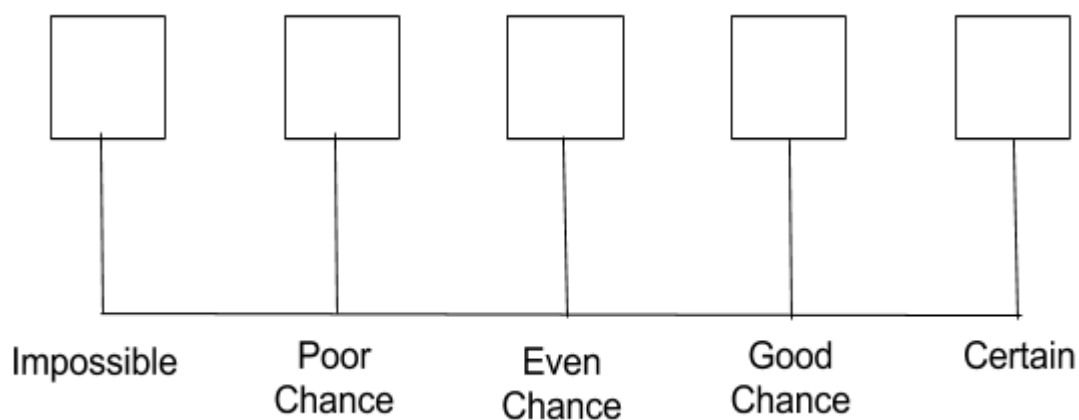
10. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **factor of 36**.
- B:** The number is **a number with 2 digits**.
- C:** The number is **not odd or even**.
- D:** The number is **a square number**.
- E:** The number is **even**.

Write the **letters A to E** in the correct box on the probability line below.



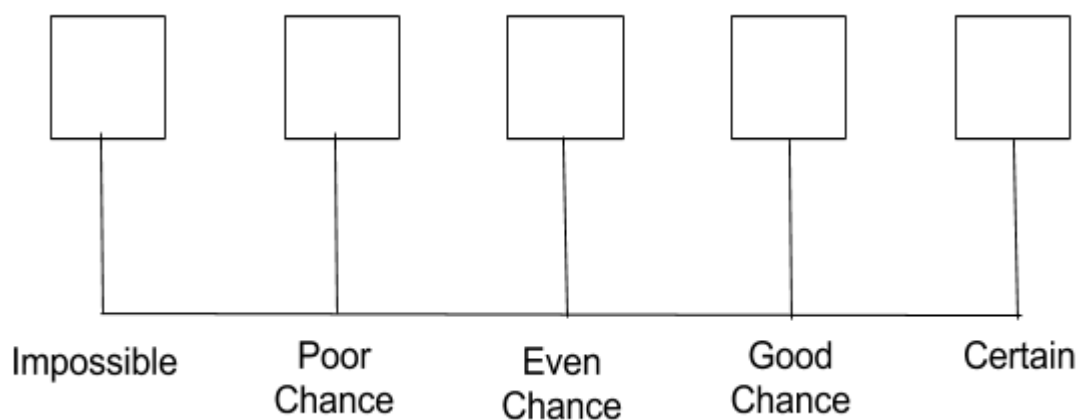
11. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **negative**.
- B:** The number is **a multiple of 11**.
- C:** The number is **a multiple of 3**.
- D:** The number is **a multiple of 9**.
- E:** The number is **odd**.

Write the **letters A to E** in the correct box on the probability line below.



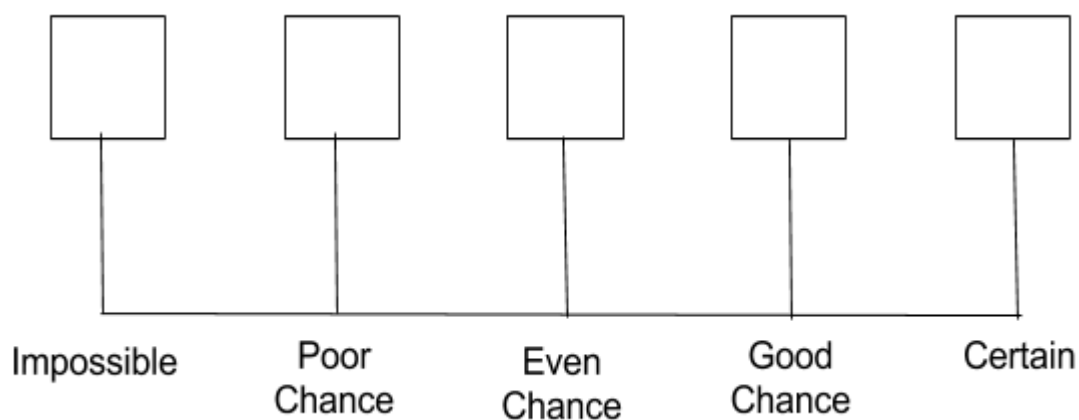
12. Look at the 6 cards below. Each card has a number on it.



The cards are placed in a box and the **box is shaken** so that the **cards get mixed up**. I choose a card **at random** and read the number on it. Look at the following five statements:

- A:** The number is **factor of 100**.
- B:** The number is **not even**.
- C:** The number is **not a prime number**.
- D:** The number is **11 or less**.
- E:** The number is **a prime number**.

Write the **letters A to E** in the correct box on the probability line below.



**Answers**

- 1. BACDE**
- 2. ECADB**
- 3. BCADE**
- 4. ACDBE**
- 5. ACDBE**
- 6. EABCD**
- 7. CBEAD**
- 8. CEABD**
- 9. DEACB**
- 10. CDBEA**
- 11. ABDEC**
- 12. CADBE**