

**Q2 (Probability) Day 18**      **Name:** \_\_\_\_\_

1. A teacher has **six cards**. On the cards are the numbers from **1-6**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **odd** number.
- B = They pick a **number more than 6**.
- C = They pick a **multiple of 3**.
- D = They pick a **number more than 1**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely Most Likely

2. A teacher has **six cards**. On the cards are the numbers from **1-6**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick a **triangular number**.
- B = They pick a **factor of 6**.
- C = They pick a **multiple of 4**.
- D = They pick a **square number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely Most Likely

3. A teacher has **six cards**. On the cards are the numbers from **1-6**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **odd number above 4**.
- B = They pick a **4 or 6**.
- C = They pick a **multiple of 2**.
- D = They pick a **square number or a multiple of 3**.

Write the potential outcomes from least likely to most likely below.

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Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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4. A teacher has **eight cards**. On the cards are the numbers from **1-8**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **even number more than 3**.
- B = They pick a **prime** number.
- C = They pick a **multiple of 5**.
- D = They pick a **cubed number**.

Write the potential outcomes from least likely to most likely below.

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Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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5. A teacher has **eight cards**. On the cards are the numbers from **1-8**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **odd number less than 4**.
- B = They pick a **factor of 8**.
- C = They pick a **multiple of 7**.
- D = They pick a **number below 7**.

Write the potential outcomes from least likely to most likely below.

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Least Likely Most Likely

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6. A teacher has **eight cards**. On the cards are the numbers from **1-8**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick a **multiple of 2**.
- B = They pick a **prime number more than 3**.
- C = They pick a **triangular number**.
- D = They pick a **number above 7**.

Write the potential outcomes from least likely to most likely below.

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Least Likely Most Likely

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7. A teacher has **ten cards**. On the cards are the numbers from **1-10**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick a **factor of 10 or 8**.
- B = They pick a **prime** number.
- C = They pick a **multiple of 6**.
- D = They pick a **square number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely Most Likely

8. A teacher has **ten cards**. On the cards are the numbers from **1-10**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **odd** number.
- B = They pick a **prime number more than 5**.
- C = They pick a **multiple of 3**.
- D = They pick a **cubed number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely Most Likely

9. A teacher has **ten cards**. On the cards are the numbers from **1-10**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **even number less than 10**.
- B = They pick a **prime number less than 5**.
- C = They pick a **multiple of 2 or 5**.
- D = They pick a **square number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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10. A teacher has **twelve cards**. On the cards are the numbers from **1-12**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick a **prime number**.
- B = They pick a **factor of 12**.
- C = They pick a **multiple of 3**.
- D = They pick a **square number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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**11.** A teacher has **twelve cards**. On the cards are the numbers from **1-12**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick a **cubed number more than 1**.
- B = They pick a **factor of 12**.
- C = They pick a **multiple of 5**.
- D = They pick a **triangular number**.

Write the potential outcomes from least likely to most likely below.

\_\_\_\_\_

Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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**12.** A teacher has **twelve cards**. On the cards are the numbers from **1-12**. They pick a card at **random** from the deck. Look at the statements below.

- A = They pick an **even** number.
- B = They pick a **triangular** number.
- C = They pick a **multiple of 4**.
- D = They pick a **prime number or square number**.

Write the potential outcomes from least likely to most likely below.

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Least Likely \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Most Likely

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**Answers**

- 1. BCAD**
- 2. CDAB**
- 3. ABCD**
- 4. CDAB**
- 5. CABD**
- 6. DBCA**
- 7. CDBA**
- 8. BDCA**
- 9. BDAC**
- 10. DCAB**
- 11. ACDB**
- 12. CBAD**