

Q5 (Probability) Day 130 Name: _____

1. A pupil brings **20 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 2 photos

Father = 3 photos

Brother = 4 photos

Sister = 1 photo

Grandmother = 6 photos

Grandfather = 4 photos

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of brother.

Outcome **B**: The photo is of father.

Outcome **C**: The photo is of mother.

Outcome **D**: The photo is **not** of sister.

Outcome **E**: The photo is of sister or grandmother.

Write the outcomes in order from **least likely to most likely**.

Least Likely

Most Likely

2. A pupil brings **20 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 5

Father = 1

Brother = 0

Sister = 2

Grandmother = 8

Grandfather = 4

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of grandmother.

Outcome **B**: The photo is of brother.

Outcome **C**: The photo is of grandfather.

Outcome **D**: The photo is **not** of mother.

Outcome **E**: The photo is of father or of sister.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

3. A pupil brings **25 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 3

Father = 9

Brother = 1

Sister = 4

Grandmother = 2

Grandfather = 6

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of father.

Outcome **B**: The photo is of sister.

Outcome **C**: The photo is of grandfather.

Outcome **D**: The photo is **not** of mother.

Outcome **E**: The photo is of father or of grandfather.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

4. A pupil brings **25 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 4

Father = 2

Brother = 5

Sister = 6

Grandmother = 1

Grandfather = 7

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of mother or of grandmother.

Outcome **B**: The photo is **not** of brother.

Outcome **C**: The photo is of sister.

Outcome **D**: The photo is **not** of grandfather.

Outcome **E**: The photo is of father or of grandfather.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

5. A pupil brings **30 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 8

Father = 2

Brother = 0

Sister = 9

Grandmother = 6

Grandfather = 5

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of brother or of sister.

Outcome **B**: The photo is **not** of mother.

Outcome **C**: The photo is of grandfather.

Outcome **D**: The photo is **not** of father.

Outcome **E**: The photo is of brother or of father.

Write the outcomes in order from **least likely to most likely**.

Least Likely

Most Likely

6. A pupil brings **30 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 3

Father = 7

Brother = 8

Sister = 2

Grandmother = 4

Grandfather = 6

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of sister.

Outcome **B**: The photo is of grandfather.

Outcome **C**: The photo is of father or of mother.

Outcome **D**: The photo is **not** of brother.

Outcome **E**: The photo is of mother or of grandmother.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

7. A pupil brings **35 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 12

Father = 5

Brother = 2

Sister = 1

Grandmother = 8

Grandfather = 7

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of father.

Outcome **B**: The photo is of brother.

Outcome **C**: The photo is of grandmother or of mother.

Outcome **D**: The photo is of grandfather.

Outcome **E**: The photo is **not** of sister or of grandfather.

Write the outcomes in order from **least likely to most likely**.

Least Likely

Most Likely

8. A pupil brings **35 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 3

Father = 7

Brother = 2

Sister = 10

Grandmother = 4

Grandfather = 9

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of father.

Outcome **B**: The photo is of brother or of grandmother.

Outcome **C**: The photo is **not** of grandmother or of father.

Outcome **D**: The photo is of brother.

Outcome **E**: The photo is **not** of mother or of grandfather.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

9. A pupil brings **40 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 8

Father = 4

Brother = 12

Sister = 9

Grandmother = 3

Grandfather = 4

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is of grandfather.

Outcome **B**: The photo is of mother or of sister.

Outcome **C**: The photo is **not** of grandmother or of grandfather.

Outcome **D**: The photo is **not** of brother.

Outcome **E**: The photo is **not** of mother or of grandmother.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

10. A pupil brings **40 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 15

Father = 11

Brother = 2

Sister = 3

Grandmother = 4

Grandfather = 5

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of father.

Outcome **B**: The photo is of mother or of sister.

Outcome **C**: The photo is **not** of grandmother or of grandfather.

Outcome **D**: The photo is of grandmother.

Outcome **E**: The photo is **not** of brother or of father.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

11. A pupil brings **45 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 14

Father = 4

Brother = 6

Sister = 7

Grandmother = 3

Grandfather = 11

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of grandfather.

Outcome **B**: The photo is of mother or of sister.

Outcome **C**: The photo is **not** of father or of grandmother.

Outcome **D**: The photo is **not** of brother.

Outcome **E**: The photo is of mother or of grandfather.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

12. A pupil brings **45 photos** of her family into school. Each photo has **one member** of her family. There are:

Mother = 6

Father = 8

Brother = 14

Sister = 5

Grandmother = 7

Grandfather = 5

The pupil picks a photo a **random**. Look at the **five** outcomes below:

Outcome **A**: The photo is **not** of brother.

Outcome **B**: The photo is of grandfather or of father.

Outcome **C**: The photo is of sister or of grandmother.

Outcome **D**: The photo is **not** of father.

Outcome **E**: The photo is **not** of mother or of sister.

Write the outcomes in order from **least likely to most likely**.

Least Likely Most Likely

Answers

- 1. CBAED**
- 2. BECAD**
- 3. BCAED**
- 4. ACEDB**
- 5. ECABD**
- 6. BECDA**
- 7. BDCEA**
- 8. DBECA**
- 9. ABDEC**
- 10. DBEAC**
- 11. BEACD**
- 12. CBAED**