

Q5 (Probability) Day 78 Name: _____

1. Ruth asks **20 people** in a survey **how many pets** they have. The results are shown in the table below.

Number of pets	Number of people
0	3
1	3
2	9
3	3
4 or more	2

Ruth picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: She picks a person with **a total of 2 pets**.

B: She picks a person with **a total of 0 pets**.

C: She picks a person with **less than 2 pets**.

D: She picks a person with **more than 2 pets**.

(Least Likely)

(Most likely)

2. John asks **20 people** in a survey **how many cars** they have. The results are shown in the table below.

Number of cars	Number of people
0	2
1	5
2	11
3	2
4 or more	1

John picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: He picks a person with **a total of 1 car**.

B: He picks a person with **a total of 4 or more cars**.

C: He picks a person with **less than 2 cars**.

D: He picks a person with **more than 2 cars**.

(Least Likely)

(Most likely)

3. Sam asks **20 people** in a survey **how many pairs of shoes** they have. The results are shown in the table below.

Number of pairs of shoes	Number of people
0	1
1	2
2	4
3	10
4	1
5 or more	2

Sam picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events in order** from the **least likely to most likely**.

A: He picks a person with **a total of 3 pairs of shoes**.

B: He picks a person with **a total of 2 pairs of shoes**.

C: He picks a person with **less than 3 pairs of shoes**.

D: He picks a person with **more than 2 pairs of shoes**.

(Least Likely)

(Most likely)

4. Clare asks **25 people** in a survey **how many computer games** they have. The results are shown in the table below.

Number of computer games	Number of people
0	3
1	3
2	4
3	8
4	2
5 or more	5

Clare picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: She picks a person with **a total of 0 computer games**.

B: She picks a person with **a total of 2 computer games**.

C: She picks a person with **less than 2 computer games**.

D: She picks a person with **more than 3 computer games**.

(Least Likely)

(Most likely)

5. Jen asks **25 people** in a survey **how many televisions** they have. The results are shown in the table below.

Number of televisions	Number of people
0	2
1	1
2	7
3	8
4	4
5 or more	3

Jen picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events in order** from the **least likely to most likely**.

A: She picks a person with **a total of 3 televisions**.

B: She picks a person with **a total of 2 televisions**.

C: She picks a person with **less than 3 televisions**.

D: She picks a person with **more than 2 televisions**.

(Least Likely)

(Most likely)

6. Derek asks **30 people** in a survey **how many coats** they have. The results are shown in the table below.

Number of coats	Number of people
0	3
1	4
2	8
3	9
4	3
5 or more	3

Derek picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: He picks a person with **a total of 3 coats**.

B: He picks a person with **a total of 2 coats**.

C: He picks a person with **less than 2 coats**.

D: He picks a person with **more than 3 coats**.

(Least Likely)

(Most likely)

7. Barney asks **30 people** in a survey **how many football cards** they have. The results are shown in the table below.

Number of football cards	Number of people
0	13
1	1
2	4
3	4
4	1
5 or more	7

Barney picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: He picks a person with **a total of 0 football cards**.

B: He picks a person with **a total of 5 or more football cards**.

C: He picks a person with **less than 2 football cards**.

D: He picks a person with **more than 2 football cards**.

(Least Likely)

(Most likely)

8. Gemma asks **36 people** in a survey **how many pencil case items** they have. The results are shown in the table below.

Number of pencil case items	Number of people
0	3
1	1
2	5
3	6
4	7
5	5
6 or more	9

Gemma picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: She picks a person with **a total of 4 pencil case items**.

B: She picks a person with **a total of 6 or more pencil case items**.

C: She picks a person with **less than 4 pencil case items**.

D: She picks a person with **more than 4 pencil case items**.

(Least Likely)

(Most likely)

9. Max asks **36 people** in a survey **how many holiday destinations** they have visited. The results are shown in the table below.

Number of holiday destinations	Number of people
0	6
1	5
2	9
3	8
4	3
5	3
6 or more	2

Max picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events in order** from the **least likely to most likely**.

A: He picks a person with **a total of 0 holiday destinations**.

B: He picks a person with **a total of 4 holiday destinations**.

C: He picks a person with **less than 2 holiday destinations**.

D: He picks a person with **more than 3 holiday destinations**.

(Least Likely)

(Most likely)

10. Michael asks **36 people** in a survey **how many computers** they have. The results are shown in the table below.

Number of computers	Number of people
0	6
1	11
2	9
3	2
4	5
5	2
6 or more	1

Michael picks a person from his survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: He picks a person with **a total of 2 computers**.

B: He picks a person with **a total of 1 computer**.

C: He picks a person with **less than 1 computer**.

D: He picks a person with **more than 3 computers**.

(Least Likely)

(Most likely)

11. Annie asks **44 people** in a survey **how many books** they have read this month. The results are shown in the table below.

Number of books read	Number of people
0	12
1	13
2	8
3	4
4	2
5	2
6 or more	3

Annie picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: She picks a person with **a total of 2 books read**.

B: She picks a person with **a total of 1 book read**.

C: She picks a person with **less than 3 books read**.

D: She picks a person with **more than 2 books read**.

(Least Likely)

(Most likely)

12. Isla asks **44 people** in a survey **how many park runs** they have completed. The results are shown in the table below.

Number of park runs	Number of people
0	15
1	3
2	6
3	3
4	2
5	1
6	4
7 or more	10

Isla picks a person from her survey at random. Look at the **four events A, B, C and D** below. Put the **events** in **order** from the **least likely to most likely**.

A: She picks a person with **a total of 2 park runs**.

B: She picks a person with **a total of 7 or more park runs**.

C: She picks a person with **less than 2 park runs**.

D: She picks a person with **more than 3 park runs**.

(Least Likely)

(Most likely)

Answers

- 1. BDCA**
- 2. BDAC**
- 3. BCAD**
- 4. ABCD**
- 5. BACD**
- 6. DCBA**
- 7. BDAC**
- 8. ABDC**
- 9. BADC**
- 10. CDAB**
- 11. ADBC**
- 12. ABDC**