

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

Mutually exclusive and mutually inclusive

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

A dart board is numbered from 1 to 25. Each cell is colored red, green or blue. A dart is thrown and hits the board.

What is the probability of hitting an even number?

Answer:

What is the probability of hitting an even number in the red cells?

Answer:

What is the probability of hitting a blue cell?

Answer:

What is the probability of hitting a green or a red cell?

Answer:

What is the probability of hitting an odd number in a blue or green cell?

Answer:

Work Space

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answers:**

A dart board is numbered from 1 to 25. Each cell is colored red, green or blue. A dart is thrown and hits the board.

What is the probability of hitting an even number?

Answer:  $\frac{12}{25}$

What is the probability of hitting an even number in the red cells?

Answer:  $\frac{4}{25}$

What is the probability of hitting a blue cell?

Answer:  $\frac{9}{25}$

What is the probability of hitting a green or a red cell?

Answer:  $\frac{16}{25}$

What is the probability of hitting an odd number in a blue or green cell?

Answer:  $\frac{9}{25}$

Work Space