




Name _____ Class _____ Date _____

1 A six-sided die is rolled **50** times. The number 4 appears **18** times.

What is the **experimental probability** of getting a **four**?

A .08
B .17
C .32
D .36



2 Nathan spins a spinner 10 times and writes the results down. The results are **B, B, C, E, F, B, D, A, E, C**.


What is the **experimental probability** that Nathan will spin a **B**?

A .17 **C** .3
B .29 **D** .43

3 In a bag, there are **3 green**, **4 pink**, and **2 blue** marbles. Rachel picks a marble, writes down the results and puts the marble back. Her results are: **P, P, G, B, G, P, B, G, P, G, P, B, P, G, B**.

What is the **experimental probability** that she will pick a pink marble?


A .40 **C** .60
B .44 **D** .67



4 A coin is flipped **20** times and the results are **H, H, T, T, T, H, T, T, H, T, H, H, T, T, T, H, T, H, T, T**.

What is the **experimental probability** of getting a tail?


A .17 **C** .60
B .50 **D** .67



5 **Twenty-five** students were asked what their favorite number from 1-9 was. The results were that **8** students said 3, **6** students said 4, **9** students said 7, and **2** students said 9.

What was the **experimental probability** that the number **3** was picked?


A .24 **C** .34
B .32 **D** .36



6 Caleb picked **10** letters from the alphabet out of a hat. His results were **H, J, X, A, N, O, I, N, B, C**.

What is the **experimental probability** that he picked an **N**?


A .04 **C** .18
B .10 **D** .20



7 The spinner shown is spun **75** times and the number seven appears **17** times. The **experimental probability** of getting the number seven is greater than the **theoretical probability** of getting the number seven.

True or false?

A true
B false



8 The letters in the word **PARALLELOGRAM** are put into a hat. The letters are picked out **50** times. The letter **L** appears **11** times.


The **experimental probability** is _____ the **theoretical probability**.

A greater than
B less than
C equal to
D half

9 A die is rolled and the results are **2, 4, 6, 1, 5, 1, 6, 3, 2, 4, 5, 6, 1, 6, 4, 3, 6, 1, 6, 6**. The **experimental probability** for getting a **6** is close to the **theoretical probability**.

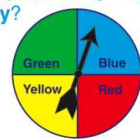
True or false?

A true
B false



10 The theoretical probability for the spinner shown to land on blue is $\frac{1}{4}$ or **.25**. An experiment is done and the spinner is spun **150** times. How many times should the spinner land on blue to have an **experimental probability** close to the **theoretical probability**?

A 24
B 30
C 38
D 60





Experimental Probability

Math

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1 A six-sided die is rolled **50** times. The number 4 appears **18** times.

What is the **experimental probability** of getting a **four**?

A .08
B .17
C .32
D .36



(D)

2 Nathan spins a spinner 10 times and writes the results down. The results are **B, B, C, E, F, B, D, A, E, C**.

What is the **experimental probability** that Nathan will spin a **B**?

A .17 **C** .3
B .29 **D** .43

(C)

3 In a bag, there are **3** green, **4** pink, and **2** blue marbles. Rachel picks a marble, writes down the results and puts the marble back. Her results are: **P, P, G, B, G, P, B, G, P, G, P, B, P, G, B**.

What is the **experimental probability** that she will pick a pink marble?

A .40 **C** .60
B .44 **D** .67



(A)

4 A coin is flipped **20** times and the results are **H, H, T, T, T, H, T, T, H, T, H, H, T, T, T, H, T, H, T, T**.

What is the **experimental probability** of getting a tail?

A .17 **C** .60
B .50 **D** .67



(C)

5 **Twenty-five** students were asked what their favorite number from 1-9 was. The results were that **8** students said 3, **6** students said 4, **9** students said 7, and **2** students said 9.

What was the **experimental probability** that the number **3** was picked?

A .24 **C** .34
B .32 **D** .36



(B)

6 Caleb picked **10** letters from the alphabet out of a hat. His results were **H, J, X, A, N, O, I, N, B, C**.

What is the **experimental probability** that he picked an **N**?

A .04 **C** .18
B .10 **D** .20



(D)

7 The spinner shown is spun **75** times and the number seven appears **17** times. The **experimental probability** of getting the number seven is greater than the **theoretical probability** of getting the number seven.

True or false?

A true
B false



(A)

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The **experimental probability** is _____ the **theoretical probability**.

A greater than
B less than
C equal to
D half

(B)

9 A die is rolled and the results are **2, 4, 6, 1, 5, 1, 6, 3, 2, 4, 5, 6, 1, 6, 4, 3, 6, 1, 6, 6**. The **experimental probability** for getting a **6** is close to the **theoretical probability**.

True or false?

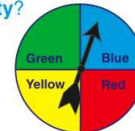
A true
B false



(B)

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A 24
B 30
C 38
D 60



(C)