

Estimate probability from experimental data

NAME	DATE	SCORE / 10
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1 Ivy takes 50 shots and makes 31 of them. What is the experimental probability that Ivy makes a shot? Write it as a fraction.

2 Ana takes 50 shots and makes 39 of them. Emma says the experimental probability that Ana makes a shot is $\frac{39}{11}$, because Ana made 39 and missed 11. What is the experimental probability that Ana makes a shot? Write it as a fraction.

3 Dev spins a spinner 50 times. The tally shows the results. Based on these results, what is the experimental probability of landing on yellow? Write it as a fraction.

Red 

Blue 

Green 

Yellow 

4

Ben rolls a number cube 20 times and gets a 6 on 3 of the rolls. Maya says the experimental probability of rolling a 6 is $\frac{1}{6}$, because the cube has 6 faces. What is the experimental probability of rolling a 6? Write it as a fraction.

5

Emma spins a spinner 30 times. The tally shows the results. Based on these results, what is the experimental probability of landing on blue? Write it as a fraction.

Red 
 Blue 
 Green 
 Yellow 

6

Ana rolls a number cube 30 times and gets a 6 on 4 of the rolls. Cleo says the experimental probability of rolling a 6 is $\frac{1}{6}$, because the cube has 6 faces. What is the experimental probability of rolling a 6? Write it as a fraction.

7

Noah spins a spinner 40 times. The tally shows the results. Based on these results, what is the experimental probability of landing on green? Write it as a fraction.

Red 
 Blue 
 Green 

- 8** Ivy takes 50 shots and makes 19 of them. Emma says the experimental probability that Ivy makes a shot is $\frac{19}{31}$, because Ivy made 19 and missed 31. What is the experimental probability that Ivy makes a shot? Write it as a fraction.

- 9** Emma rolls a number cube 40 times and gets a 6 on 5 of the rolls. What is the experimental probability of rolling a 6? Write it as a fraction.

- 10** Cleo takes 30 shots and makes 23 of them. Ana says the experimental probability that Cleo makes a shot is $\frac{23}{7}$, because Cleo made 23 and missed 7. What is the experimental probability that Cleo makes a shot? Write it as a fraction.

Estimate probability from experimental data

1 $31/50$

3 $4/25$

5 $4/15$

7 $3/10$

9 $1/8$

2 $39/50$

4 $3/20$

6 $2/15$

8 $19/50$

10 $23/30$