

Easy Peasy All-in-One Homeschool -- Answer Key – Step 2 – Day 166

Each experiment will yield its own results, the theoretical answers should match this table, and the rest is just an example of how the answers could look.

Tosses	Theoretical Probability		Experimental Outcomes		Experimental P(Head)			Experimental P(Tail)		
	H	T	H	T	Frac	Dec	Perc	Frac	Dec	Perc
100	0.5	0.5	48	52	$\frac{12}{25}$	0.48	48%	$\frac{13}{25}$	0.52	52%
500	0.5	0.5	257	243	$\frac{257}{500}$	0.514	51.40%	$\frac{243}{500}$	0.486	48.60%
1000	0.5	0.5	520	480	$\frac{13}{25}$	0.52	52%	$\frac{12}{25}$	0.48	48%
5000	0.5	0.5	2461	2539	$\frac{2461}{5000}$	0.4922	49.20%	$\frac{2539}{5000}$	0.5078	50.80%

Spinner

Theoretical Probabilities

	as a Percent rounded to the nearest tenth:
P(Red)	20%
P(Orange)	20%
P(Purple)	20%
P(Yellow)	20%
P(Green)	20%

The rest of these are experimental, and the answers will depend on your individual results. Percents should be fairly close to 20%.