Name: _____   Date: _____

MBF 3C   **Experimental Probability: Independent Practice**

1. A coin was tossed 30 times. The experimental probability of turning up heads was found to be $\frac{2}{5}$.

How many times did it turn up tails? Show/explain your thinking.

2. An auto-parts manufacturer rejects parts if more than 5% of the parts in any batch are defective. In a particular batch, 240 parts are tested and eight are defective.

Will the batch be rejected? Show your calculations and provide a conclusion.

3. Examine the spinner below (right).

Create and write *at least* two, different probability questions that could be solved using this spinner.

Over to complete lesson, summary notes →

Lesson Summary Notes

Key Ideas-Probability

Experimental (Simulated)

-determined using the results of an experiment

$$\frac{number\ of\ successful\ trials}{total\ number\ of\ trials}$$

-From our simulation,

P(Y) =	P(R) =	P(B) =

Theoretical (Accepted)

-determined using calculation involving all equally likely outcomes

$$\frac{number\ of\ successful\ outcomes}{total\ number\ of\ possible\ outcomes}$$

-From the ratios provided,

P(Y) =	P(R) =	P(B) =

Experimental   Theoretical