

Name: _____

Chance Experiments (Unequally Likely Outcomes)

The table below shows the probability of selecting certain type of game cards from a deck.

Game Card	Reverse Card	Skip Card	Wild Card	Number Card
Probability	$\frac{2}{9}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{5}{18}$

Directions: Answer each question as a fraction in lowest terms (when applicable).

- 1.) What is the probability of drawing a Wild Card? _____
- 2.) What is the probability of drawing a Skip Card *or* a Number Card? _____
- 3.) What is the probability of drawing *any card but* a Reverse Card? _____
- 4.) What is the probability of drawing *any card but* a Wild Card? _____
- 5.) Which event is **least** likely to occur? (circle one)

Event A: Drawing a Reverse Card *or* a Skip Card

Event B: Drawing a Number Card

Event C: Drawing a Skip Card *or* a Wild Card

- 6.) If there are 180 total cards in the deck, how many of each type of card are there in total?

Reverse Cards: _____

Skip Cards: _____

Wild Cards: _____

Number Cards: _____



ANSWER KEY

- 1.) What is the probability of drawing a Wild Card? $\frac{1}{6}$
- 2.) What is the probability of drawing a Skip Card *or* a Number Card? $\frac{11}{18}$
- 3.) What is the probability of drawing *any card but* a Reverse Card? $\frac{7}{9}$
- 4.) What is the probability of drawing *any card but* a Wild Card? $\frac{5}{6}$
- 5.) Which event is **least** likely to occur? (circle one)

Event A: Drawing a Reverse Card *or* a Skip Card $\frac{5}{9}$ **or** $\frac{10}{18}$

Event B: Drawing a Number Card $\frac{15}{18}$

Event C: Drawing a Skip Card *or* a Wild Card $\frac{1}{2}$ **or** $\frac{9}{18}$

- 7.) If there are 180 total cards in the deck, how many of each type of card are there in total?

Reverse Cards: **40**

Skip Cards: **60**

Wild Cards: **30**

Number Cards: **50**