

Name: _____

Compound Probability Practice

Farmer Francine has a basket with 36 pieces of fruit as shown in the table below.

Fruit	Mangos	Dragon Fruit	Kiwis	Pears	Oranges	Pomegranates
Amount	12	9	5	4	3	3

Directions: Find the probability and express your answer as a fraction in lowest terms (when applicable).

- 1.) Berry-Anne selects a piece of fruit from the basket at random. What is the probability that the fruit she picked was a Kiwi or a Pear?

- 2.) Clemmie selects a piece of fruit from the basket at random. What is the probability that the fruit she picked was **not** a Dragon Fruit or a Mango?

- 3.) Appleonia randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was a Pomegranate, a Mango, **or** an Orange?

- 4.) Cherrie randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was **not** a Pomegranate **or** a Dragon Fruit?

- 5.) Pomona randomly selects one piece of fruit to take with her. What is the probability that she selected **any fruit but** a Pear?

- 6.) After Farmer Francine removed all of the Mangos from the basket, Olivia randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was a Kiwi?

ANSWER KEY

- 1.) Berry-Anne selects a piece of fruit from the basket at random. What is the probability that the fruit she picked was a Kiwi or a Pear? $\frac{1}{4}$
- 2.) Clemmie selects a piece of fruit from the basket at random. What is the probability that the fruit she picked was **not** a Dragon Fruit or a Mango? $\frac{5}{12}$
- 3.) Appleonia randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was a Pomegranate, a Mango, **or** an Orange? $\frac{1}{2}$
- 4.) Cherrie randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was **not** a Pomegranate **or** a Dragon Fruit? $\frac{1}{3}$
- 5.) Pomona randomly selects one piece of fruit to take with her. What is the probability that she selected **any fruit but** a Pear? $\frac{8}{9}$
- 6.) After Farmer Francine removed all of the Mangos from the basket, Olivia randomly selects a piece of fruit and eats it. What is the probability the piece of fruit she ate was a Kiwi? $\frac{5}{24}$