

## Probability Worksheet (Not Equally Likely Outcomes)

1. When Jenna goes to the farmers' market, she also usually buys some broccoli. The possible number of heads of broccoli that she buys and the probabilities are given in the table below.

<b>Number of Heads of Broccoli</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Probability</b>	$\frac{1}{12}$	$\frac{1}{6}$	$\frac{5}{12}$	$\frac{1}{4}$	$\frac{1}{12}$

1. Find the probability that Jenna:

a) Buys exactly 3 heads of broccoli

b) Does not buy exactly 3 heads of broccoli

c) Buys more than 1 head of broccoli

d) Buys at least 3 heads of broccoli

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<b>Probability</b>	$\frac{1}{12}$	$\frac{1}{6}$	$\frac{5}{12}$	$\frac{1}{4}$	$\frac{1}{12}$

1. Find the probability that Jenna:

a) Buys exactly 3 heads of broccoli

$$\frac{1}{4}$$

b) Does not buy exactly 3 heads of broccoli

$$1 - \frac{1}{4} = \frac{3}{4}$$

c) Buys more than 1 head of broccoli

$$\frac{5}{12} + \frac{1}{4} + \frac{1}{12} = \frac{3}{4}$$

d) Buys at least 3 heads of broccoli

$$\frac{1}{4} + \frac{1}{12} = \frac{1}{3}$$