$\qquad$
$\qquad$

## 11 Practice Test

## For \#1 to \#3, circle the correct answer.

You roll two 4-sided dice.
The table shows the sample space for the possible outcomes.
Use the table to answer \#1 to \#3.

1. What is the probability that the same number is on each die?

|  |  | Die 1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ |  |  |
| Die $\mathbf{2}$ | $\mathbf{1}$ | 1,1 | 1,2 | 1,3 | 1,4 |  |
|  | 2,1 | 2,2 | 2,3 | 2,4 |  |  |
|  | $\mathbf{3}$ | 3,1 | 3,2 | 3,3 | 3,4 |  |
|  | $\mathbf{4}$ | 4,1 | 4,2 | 4,3 | 4,4 |  |

A $\frac{8}{16}$
B $\frac{4}{16}$
C $\frac{2}{16}$
D $\frac{1}{16}$
2. What is the probability that the sum of both numbers is 6 ?
A $\frac{1}{16}$
B $\frac{2}{16}$
C $\frac{3}{16}$
D $\frac{6}{16}$

3. What is the probability that neither die has a 2 showing?
A $\frac{2}{16}$
B $\frac{7}{16}$
C $\frac{8}{16}$
D $\frac{9}{16}$

## For \#4 and \#5, fill in the blanks using the coin and spinner.

4. The total number of possible outcomes is
$\qquad$
(coin possible $\times$ $\qquad$ $=$ $\qquad$ outcomes)
(spinner possible (total possible

5. To find the probability of the coin landing heads up and the spinner landing on A, multiply
$\square$ and

$\qquad$
$\qquad$

## Short Answer

6. a) What is the total number of possibilities if you choose 1 drink, 1 meal, and 1 dessert from the menu? Show your work.
CAFETERIA
Drink choices: milk
apple juice
Meal choices: burger
pizza
chicken strips
Dessert: ice cream
chocolate cake
fresh fruit

Sentence: $\qquad$
b) What is the probability that you would choose milk, chicken strips, and ice cream?

Sentence: $\qquad$
7. A bag has 3 black marbles and 2 white marbles.

A jar has 1 striped jellybean and 3 grey jellybeans. You choose 1 marble and 1 jellybean.

a) What is the probability of choosing a striped jellybean?

Sentence: $\qquad$
b) What is the probability of choosing a black marble and a grey jellybean?

Sentence: $\qquad$
$\qquad$
$\qquad$
8. David wants to see who the students will vote for in the next school election.

He decides to survey the next 30 people who walk into the library. The table shows his results.

| Candidates | Jesse | Maria | Marcus | Angela |
| :--- | :---: | :---: | :---: | :---: |
| Votes | 11 | 7 | 4 | 8 |

a) What is the experimental probability that students will vote for Maria?

Write your answer as a fraction, a decimal, and a percent.
Number of favourable outcomes $=$ $\qquad$

Number of possible outcomes $=$ $\qquad$
$P($ votes for Maria $)=$

Sentence: $\qquad$
b) What is the experimental probability that students will vote for either Marcus or Angela?

Number of favourable outcomes $=$ $\qquad$

Number of possible outcomes $=$ $\qquad$
$P($ votes for Marcus or Angela $)=$

Sentence: $\qquad$

