

Name \_\_\_\_\_

### 2020 Electoral Map Challenge #1



According to the projection, how many total electoral votes is Joe Biden likely to win on election day?  
(Do not include Toss-up States).

Show your work in the box below and circle your answer.

# Math Challenges & Brainteasers for the 2020 Election

Name \_\_\_\_\_



### 2020 Electoral Map Challenge #2

According to the projection, how many total electoral votes is Donald Trump likely to win on election day?  
(Do not include Toss-up States).

Show your work in the box below and circle your answer.

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# 8 Electoral Map Math Challenges

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2020 Presidential Election Results



Use this chart to record the winners of each state's electoral votes after the election. You can draw a \* or color the box of each state's winning candidate. Since Nebraska and Maine do not always give all electoral votes to one candidate, you can record the amount of electoral votes won by each candidate in each candidate's column next to these states. Then, determine the total electoral votes each candidate won.

| State         | Joe Biden | Donald Trump | State           | Joe Biden |
|---------------|-----------|--------------|-----------------|-----------|
| Alabama       |           |              | Nebraska        |           |
| Alaska        |           |              | Nevada          |           |
| Arizona       |           |              | New Hampshire   |           |
| Arkansas      |           |              | New Jersey      |           |
| California    |           |              | New Mexico      |           |
| Colorado      |           |              | New York        |           |
| Connecticut   |           |              | North Carolina  |           |
| Delaware      |           |              | North Dakota    |           |
| Florida       |           |              | Ohio            |           |
| Georgia       |           |              | Oklahoma        |           |
| Hawaii        |           |              | Oregon          |           |
| Idaho         |           |              | Pennsylvania    |           |
| Illinois      |           |              | Rhode Island    |           |
| Indiana       |           |              | South Carolina  |           |
| Iowa          |           |              | South Dakota    |           |
| Kansas        |           |              | Tennessee       |           |
| Kentucky      |           |              | Texas           |           |
| Louisiana     |           |              | Utah            |           |
| Maine         |           |              | Vermont         |           |
| Maryland      |           |              | Virginia        |           |
| Massachusetts |           |              | Washington      |           |
| Michigan      |           |              | Washington D.C. |           |
| Minnesota     |           |              | West Virginia   |           |
| Mississippi   |           |              | Wisconsin       |           |
| Missouri      |           |              | Wyoming         |           |
| Montana       |           |              | Total Votes     |           |

Name \_\_\_\_\_



2020 Election Results - Electoral Map

After the election, record the winning candidate of each state by coloring the map in each political party's traditional color.

Joe Biden (Democrat) = Blue  
Donald Trump (Republican) = Red

Then determine how many electoral votes were received by the winner of the election.

Find an organized way to show your work in the box below.



Name \_\_\_\_\_

### Voting Line Brainteaser

Charles, Anne, David, and Maggie cast their votes on election day. Each voter arrived at the polling place at a different time and has one issue that is the most important to them.

Use the clues below to determine the time each voter arrived at the polling place, and the issue that is the most important to them.

- David left work at 5:55 p.m. and drove 15 minutes to the polling place.
- The voter who is concerned most about the environment arrived after Charles.
- Maggie arrived to vote 3 hours before Charles.
- The person who arrived last is most concerned with healthcare.
- Anne left her house at 2:45 p.m. and drove for 30 minutes to get to the polling place.
- One of the voters is most concerned about Supreme Court nominations.
- The voter who arrived first is most concerned with education.
- Charles arrived to vote at quarter to 2:00 p.m.

Show your work and your answer here:

Charles arrived at \_\_\_\_\_ and cares most about \_\_\_\_\_

Anne arrived at \_\_\_\_\_ and cares most about \_\_\_\_\_

David arrived at \_\_\_\_\_ and cares most about \_\_\_\_\_

Maggie arrived at \_\_\_\_\_ and cares most about \_\_\_\_\_

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Name \_\_\_\_\_

### VOTE Brainteaser #1

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 2x2 box.

|   |   |   |   |
|---|---|---|---|
|   |   | E |   |
|   | V |   | O |
| O |   | V |   |
|   | E |   |   |

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Name \_\_\_\_\_

### Election Sign Brainteaser

There are 5 houses on Hummingbird Lane. Two houses have Biden/Harris signs in their front yard, and two houses have Trump/Pence signs in their yard. Use the clues below to determine which family lives in which house and what signs they have posted in the front yard.

- The Anderson Family lives one house to the right of the Mann Family.
- The Davis Family lives next-door to the Mann Family.
- The Harris Family only has one house next-door.
- The Coates Family lives on one end of the street.
- The Harris Family does not have a Trump/Pence sign.
- The Trump/Pence signs are located next-door to one another.
- There is one house between the Biden/Harris signs.
- The Anderson's house does not have a sign in the front yard.

Write or draw your answers in the boxes below. Remember to label each house with the family name and sign they have posted in the front yard.

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|  |  |  |  |  |

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Name \_\_\_\_\_

### VOTE Brainteaser #4

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 2x2 box.

|   |   |   |   |
|---|---|---|---|
|   |   | V |   |
| E |   |   |   |
|   | O |   | T |

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Name \_\_\_\_\_

### VOTE Brainteaser #2

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 2x2 box.

|   |   |   |  |
|---|---|---|--|
|   |   | E |  |
| E |   |   |  |
| T |   |   |  |
|   | O |   |  |

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Name \_\_\_\_\_

### VOTE Brainteaser #3

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 2x2 box.

|   |  |  |   |
|---|--|--|---|
| O |  |  |   |
|   |  |  |   |
|   |  |  |   |
|   |  |  | E |

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Name \_\_\_\_\_

### BALLOT Brainteaser #1

Arrange the letters in BALLOT so there is one of every letter in the word in every row, column, and 3x3 box. There will be two Ls in every row, column, and box since there are 2 Ls in the word BALLOT.

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   | A | L |   | O |   |
| B | T |   | L |   | A |
|   |   |   | T |   | O |
|   |   |   |   |   | B |
| T |   |   |   |   |   |
|   |   | B |   |   | L |

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# Brainteasers

Name \_\_\_\_\_

### Exit Poll Brainteaser

Anna, Molly, Justin, and Jeff are voters from different states who participated in exit polls. Two voted for Donald Trump and two voted for Joe Biden. Use the clues below to determine the candidate each person voted for and what state they live and voted in.

- Justin lives in a state that can split electoral votes between candidates.
- One person who voted for Donald Trump lives in the state with 38 electoral votes.
- Molly lives in the state with the largest amount of electoral votes.
- Anna voted for the Democratic candidate.
- Jeff voted for the Republican candidate.
- One person who voted for the Democratic candidate lives in Maine.
- One person who voted for Joe Biden lives in the state with 29 electoral votes.

Anna voted for \_\_\_\_\_ and lives in \_\_\_\_\_

Molly voted for \_\_\_\_\_ and lives in \_\_\_\_\_

Justin voted for \_\_\_\_\_ and lives in \_\_\_\_\_

Jeff voted for \_\_\_\_\_ and lives in \_\_\_\_\_

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Name \_\_\_\_\_

### BALLOT Brainteaser #2

Arrange the letters in BALLOT so there is one of every letter in the word in every row, column, and 3x3 box. There will be two Ls in every row, column, and box since there are 2 Ls in the word BALLOT.

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   | L |   |   | T |   |
|   |   | B | L |   | L |
| T | B | A |   |   |   |
| O |   |   |   | B |   |
| L |   | L |   |   |   |
|   |   |   | A |   | L |

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Name \_\_\_\_\_

### PRESIDENT Brainteaser #1

Arrange the letters in PRESIDENT so there is one of each letter in the word in every row, column, and 3x3 box. You will have two Es in every row, column, and box since there are two Es in PRESIDENT.

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
|   | T | R | E |   | E |   |
|   | E |   |   | S | I | P |
|   | R |   |   |   |   | T |
|   | T |   | S |   | E | I |
| N | E | I | T | E | S | D |
| I |   |   | P |   |   | T |
| E |   |   |   |   | E |   |
|   | S | N | E |   |   | I |
| E |   |   | D | T | R |   |

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Name \_\_\_\_\_

### PRESIDENT Brainteaser #2

Arrange the letters in PRESIDENT so there is one of each letter in the word in every row, column, and 3x3 box. You will have two Es in every row, column, and box since there are two Es in PRESIDENT.

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| E |   |   |   |   |   |   |
|   | R | S |   | D | E |   |
|   | P | E |   | T | D |   |
| I | N | D |   |   | E |   |
|   | E |   | T |   |   |   |
|   |   |   |   | P | I | S |
|   | T | S |   | E | E | I |
|   | I | R |   | N | P | E |
| E | I |   |   |   |   |   |

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Name \_\_\_\_\_

## 2020 Electoral Map Challenge



If one candidate won EVERY electoral vote, how many states could they win?

Show your work in the box below and circle your answer.

Write at least 3 sentences explaining how you found your answer. What did you do first, second, third? Did you know you should add, subtract, multiply or divide? What strategies did you use to solve the problem?



All math challenges come with a page for students to explain their mathematical thinking



### Race to 270

#### Answer Key

Answers will vary since many states have 9, 10, and 11 electoral votes. If students do not use the states with the greatest amount of electoral votes, they will need to keep track of their tally on an additional piece of paper.

| Combination #1    | Combination #2   |
|-------------------|------------------|
| California 55     | California 55    |
| Texas 38          | Texas 38         |
| Florida 29        | Florida 29       |
| New York 29       | New York 29      |
| Illinois 20       | Illinois 20      |
| Pennsylvania 20   | Virginia 13      |
| Ohio 18           | Washington 12    |
| Michigan 16       | Arizona 11       |
| North Carolina 15 | Indiana 11       |
| New Jersey 14     | Tennessee 11     |
| Wisconsin 10      | Massachusetts 11 |
| Kansas 6          | Maryland 10      |
|                   | Missouri 10      |
|                   | Minnesota 10     |



### Race to 270 - Challenge

#### Answer Key

Answers can vary, so check the electoral map to make sure students used the correct amount of electoral votes for each state.

| Combination #1  | Combination #2   |
|-----------------|------------------|
| California 55   | California 55    |
| Texas 38        | Texas 38         |
| Florida 29      | Florida 29       |
| New York 29     | New York 29      |
| Illinois 20     | Illinois 20      |
| Pennsylvania 20 | Virginia 13      |
| Ohio 18         | Arizona 11       |
| Michigan 16     | Indiana 11       |
| Washington 12   | Tennessee 11     |
| Wisconsin 10    | Massachusetts 11 |
| Colorado 9      | Maryland 10      |
| West Virginia 5 | Missouri 10      |
| Alaska 3        | Minnesota 10     |
| Wyoming 3       | Arkansas 6       |
| Vermont 3       | Mississippi 6    |

# Answer Keys for Every Problem

### 2020 Electoral Map Challenge #1

#### Answer Key

According to the projection, how many total electoral votes is Joe Biden likely to win on election day? (Do not include Toss-up States).

|               |    |                  |    |
|---------------|----|------------------|----|
| California    | 55 | New Jersey       | 14 |
| Colorado      | 9  | New Mexico       | 5  |
| Connecticut   | 7  | New York         | 29 |
| Delaware      | 3  | Oregon           | 7  |
| Hawaii        | 4  | Pennsylvania     | 20 |
| Illinois      | 20 | Rhode Island     | 4  |
| Maine         | 4  | Vermont          | 3  |
| Maryland      | 10 | Virginia         | 13 |
| Massachusetts | 11 | Washington D.C.  | 3  |
| Morgan        | 16 | Washington S.C.  | 3  |
| Minnesota     | 10 | Wisconsin        | 10 |
| Nevada        | 6  |                  |    |
| New Hampshire | 4  |                  |    |
|               |    | <b>Total 274</b> |    |

### 2020 Electoral Map Challenge #2

#### Answer Key

According to the projection, how many total electoral votes is Donald Trump likely to win on election day? (Do not include Toss-up States).

|               |    |                  |    |
|---------------|----|------------------|----|
| Alabama       | 9  | North Dakota     | 3  |
| Alaska        | 3  |                  |    |
| Arizona       | 11 | South Carolina   | 9  |
| Arkansas      | 6  | South Dakota     | 3  |
| California    | 55 | Tennessee        | 11 |
| Colorado      | 9  | Texas            | 38 |
| Connecticut   | 7  | Utah             | 6  |
| Delaware      | 3  | West Virginia    | 5  |
| Dakota        | 10 | Wyoming          | 3  |
| Florida       | 29 |                  |    |
| Georgia       | 16 |                  |    |
| Hawaii        | 4  |                  |    |
| Idaho         | 20 |                  |    |
| Illinois      | 20 |                  |    |
| Indiana       | 11 |                  |    |
| Iowa          | 6  |                  |    |
| Kansas        | 6  |                  |    |
| Kentucky      | 8  |                  |    |
| Louisiana     | 9  |                  |    |
| Maine         | 4  |                  |    |
| Massachusetts | 11 |                  |    |
| Michigan      | 16 |                  |    |
| Minnesota     | 10 |                  |    |
| Mississippi   | 6  |                  |    |
| Missouri      | 10 |                  |    |
| Montana       | 3  |                  |    |
| Nebraska      | 5  |                  |    |
|               |    | <b>Total 164</b> |    |

### 2020 Electoral Map Challenge #3

#### Answer Key

If one candidate won EVERY electoral vote, how many votes could they win?

Show your work in the box below and circle your answer.

There are 538 total electoral votes possible to win in a U.S. Presidential Election

### 2020 Electoral Map Challenge #4

#### Answer Key

If Joe Biden wins every state he is predicted to win PLUS every Toss-up state, how many electoral votes will he win?

|                |    |                  |    |
|----------------|----|------------------|----|
| Alabama        | 9  | South Carolina   | 9  |
| Alaska         | 3  | South Dakota     | 3  |
| Arizona        | 11 | Tennessee        | 11 |
| Arkansas       | 6  | Texas            | 38 |
| California     | 55 | Utah             | 6  |
| Colorado       | 9  | West Virginia    | 5  |
| Connecticut    | 7  | Wyoming          | 3  |
| Delaware       | 3  |                  |    |
| Dakota         | 10 |                  |    |
| Florida        | 29 |                  |    |
| Georgia        | 16 |                  |    |
| Hawaii         | 4  |                  |    |
| Idaho          | 20 |                  |    |
| Illinois       | 20 |                  |    |
| Indiana        | 11 |                  |    |
| Iowa           | 6  |                  |    |
| Kansas         | 6  |                  |    |
| Kentucky       | 8  |                  |    |
| Louisiana      | 9  |                  |    |
| Maine          | 4  |                  |    |
| Massachusetts  | 11 |                  |    |
| Michigan       | 16 |                  |    |
| Minnesota      | 10 |                  |    |
| Mississippi    | 6  |                  |    |
| Missouri       | 10 |                  |    |
| Montana        | 3  |                  |    |
| Nebraska       | 5  |                  |    |
| Nevada         | 6  |                  |    |
| New Hampshire  | 4  |                  |    |
| New Jersey     | 14 |                  |    |
| New Mexico     | 5  |                  |    |
| New York       | 29 |                  |    |
| North Carolina | 15 |                  |    |
| North Dakota   | 3  |                  |    |
| Ohio           | 18 |                  |    |
| Oklahoma       | 7  |                  |    |
|                |    | <b>Total 254</b> |    |

### 2020 Electoral Map Challenge #5

#### Answer Key

If Donald Trump wins every state he is predicted to win PLUS every Toss-up state, how many electoral votes will he win?

|                |    |                  |    |
|----------------|----|------------------|----|
| Alabama        | 9  | South Carolina   | 9  |
| Alaska         | 3  | South Dakota     | 3  |
| Arizona        | 11 | Tennessee        | 11 |
| Arkansas       | 6  | Texas            | 38 |
| California     | 55 | Utah             | 6  |
| Colorado       | 9  | West Virginia    | 5  |
| Connecticut    | 7  | Wyoming          | 3  |
| Delaware       | 3  |                  |    |
| Dakota         | 10 |                  |    |
| Florida        | 29 |                  |    |
| Georgia        | 16 |                  |    |
| Hawaii         | 4  |                  |    |
| Idaho          | 20 |                  |    |
| Illinois       | 20 |                  |    |
| Indiana        | 11 |                  |    |
| Iowa           | 6  |                  |    |
| Kansas         | 6  |                  |    |
| Kentucky       | 8  |                  |    |
| Louisiana      | 9  |                  |    |
| Maine          | 4  |                  |    |
| Massachusetts  | 11 |                  |    |
| Michigan       | 16 |                  |    |
| Minnesota      | 10 |                  |    |
| Mississippi    | 6  |                  |    |
| Missouri       | 10 |                  |    |
| Montana        | 3  |                  |    |
| Nebraska       | 5  |                  |    |
| Nevada         | 6  |                  |    |
| New Hampshire  | 4  |                  |    |
| New Jersey     | 14 |                  |    |
| New Mexico     | 5  |                  |    |
| New York       | 29 |                  |    |
| North Carolina | 15 |                  |    |
| North Dakota   | 3  |                  |    |
| Ohio           | 18 |                  |    |
| Oklahoma       | 7  |                  |    |
|                |    | <b>Total 254</b> |    |

### 2020 Electoral Map Challenge #6

#### Answer Key

Create a chart to show how many electoral votes Joe Biden and Donald Trump will win using the projected results and assigning the electoral votes from the Toss Up states as you predict they will be won on election day.

Answers will vary based on which candidate students assign the Toss-up states to. The ones to be on either side of the chart should be the ones that are most likely to win the Toss-up states and why all toss-up states which should help with the grading.

| Biden         |    |                 |    | Trump          |    |                                |    |
|---------------|----|-----------------|----|----------------|----|--------------------------------|----|
| Florida       | 55 | Oregon          | 7  | Alabama        | 9  | South Carolina                 | 9  |
| Colorado      | 9  | Pennsylvania    | 20 | Alaska         | 3  | South Dakota                   | 3  |
| Connecticut   | 7  | Rhode Island    | 4  | Arizona        | 11 | Tennessee                      | 11 |
| Delaware      | 3  | Vermont         | 3  | Arkansas       | 6  | Texas                          | 38 |
| Hawaii        | 4  | Virginia        | 13 | Georgia        | 16 | Utah                           | 6  |
| Idaho         | 20 | Washington      | 12 | Idaho          | 20 | West Virginia                  | 5  |
| Illinois      | 20 | Washington D.C. | 3  | Indiana        | 11 | Wyoming                        | 3  |
| Indiana       | 11 |                 |    | Kansas         | 6  | <b>Total with toss-ups 374</b> |    |
| Iowa          | 6  |                 |    | Kentucky       | 8  | Arizona                        |    |
| Kansas        | 6  |                 |    | Louisiana      | 9  | California                     |    |
| Kentucky      | 8  |                 |    | Maine          | 4  | Massachusetts                  |    |
| Louisiana     | 9  |                 |    | Massachusetts  | 11 | Georgia                        |    |
| Maine         | 4  |                 |    | Michigan       | 16 | Idaho                          |    |
| Massachusetts | 11 |                 |    | Minnesota      | 10 | South Carolina                 |    |
| Michigan      | 16 |                 |    | Mississippi    | 6  | Ore                            |    |
| Minnesota     | 10 |                 |    | Missouri       | 10 |                                |    |
| Mississippi   | 6  |                 |    | Montana        | 3  |                                |    |
| Missouri      | 10 |                 |    | Nebraska       | 5  |                                |    |
| Montana       | 3  |                 |    | Nevada         | 6  |                                |    |
| Nebraska      | 5  |                 |    | New Hampshire  | 4  |                                |    |
| Nevada        | 6  |                 |    | New Jersey     | 14 |                                |    |
| New Hampshire | 4  |                 |    | New Mexico     | 5  |                                |    |
| New Jersey    | 14 |                 |    | New York       | 29 |                                |    |
| New Mexico    | 5  |                 |    | North Carolina | 15 |                                |    |
| New York      | 29 |                 |    | North Dakota   | 3  |                                |    |
|               |    |                 |    | Ohio           | 18 |                                |    |
|               |    |                 |    | Oklahoma       | 7  |                                |    |
|               |    |                 |    |                |    | <b>Total with toss-ups 374</b> |    |

### Voting Line Brain teaser

#### Answer Key

Charles, Anna, David, and Maggie each have votes on election day. Each voter arrived at the polling place at a different time and has one issue that is the most important to them.

Use the clues below to determine the time each voter arrived at the polling place, and the issue that is the most important to them.

- David left work at 5:05 pm and drove 5 minutes to the polling place.
- The voter who is concerned most about the environment arrived after Charles.
- Maggie arrived to vote 3 hours before Charles.
- The person who arrived last is most concerned with healthcare.
- Anna left her house at 2:45 pm and drove for 50 minutes to get to the polling place.
- One of the voters is most concerned about Supreme Court nominations.
- The voter who arrived first is most concerned with education.
- Charles arrived to vote at quarter to 2:00 pm.

Charles arrived at 1:45 pm and cares most about Supreme Court nominations.

Anna arrived at 3:45 pm and cares most about the environment.

David arrived at 4:05 pm and cares most about education.

Maggie arrived at 10:15 am and cares most about education.

### Exit Poll Brain teaser

#### Answer Key

Anna, Molly, Justin, and Jeff are voters from different states who participated in exit polls. They voted for Donald Trump and Joe Biden. Use the clues below to determine the state each voter voted for and what state they live in.

- Justin lives in a state that has no electoral votes.
- One person who voted for Donald Trump lives in a state with 18 electoral votes.
- One person who voted for Joe Biden lives in a state with 11 electoral votes.
- One person who voted for Joe Biden lives in a state with 11 electoral votes.

For teachers: Students will need to know the electoral college system and the states that have electoral votes. They will also need to know the states that have electoral votes. The answer key is provided for the students to check their answers.

For students: Use the clues to determine the state each voter voted for and what state they live in.

For teachers: Students will need to know the electoral college system and the states that have electoral votes. They will also need to know the states that have electoral votes. The answer key is provided for the students to check their answers.

For students: Use the clues to determine the state each voter voted for and what state they live in.

### Election Day Brain teaser

#### Answer Key

Two houses on Harrison Avenue. Two houses have signs in their yards and two houses have signs in their yards. Use the clues below to determine which family lives in which house and what signs they have in the front yard.

- The Anderson family lives one house to the right of the Mann family.
- The Davis family lives next door to the Mann family.
- The Harris family only has one house next door.
- The Coates family lives on one end of the street.
- The Harris family does not have a Trump/Pence sign.
- The Trump/Pence signs are located next door to one another.
- There is one house between the Biden/Harris signs.
- The Anderson house does not have a sign in the front yard.

Write or draw your answers in the boxes below. Remember to label each house with the family name and sign they have posted in the front yard.



### VOTE Brain teaser #1

#### Answer Key

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 3x3 box.

|   |   |   |   |
|---|---|---|---|
| T | O | E | V |
| E | V | T | O |
| O | T | V | E |
| V | E | O | T |

### VOTE Brain teaser #2

#### Answer Key

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 3x3 box.

|   |   |   |   |
|---|---|---|---|
| O | V | E | T |
| E | T | O | V |
| T | E | V | O |
| V | O | T | E |

### VOTE Brain teaser #3

#### Answer Key

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 3x3 box.

|   |   |   |   |
|---|---|---|---|
| O | V | E | T |
| E | T | O | V |
| T | E | V | O |
| V | O | T | E |

### VOTE Brain teaser #4

#### Answer Key

Arrange the letters in VOTE so there is only one V, one O, one T, and one E in every row, column, and 3x3 box.

|   |   |   |   |
|---|---|---|---|
| O | V | E | T |
| E | T | O | V |
| T | E | V | O |
| V | O | T | E |

### BALLOT Brain teaser #1

#### Answer Key

Arrange the letters in BALLOT so there is one of every letter in the word in every row, column, and 3x3 box. There will be two Ls in every row, column, and box since there are 2 Ls in the word BALLOT.

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| L | A | L | B | O | T |
| B | T | O | L | L | A |
| A | B | L | L | T | O |
| L | O | T | A | L | B |
| T | L | A | O | B | L |
| O | L | B | T | A | L |

### BALLOT Brain teaser #2

#### Answer Key

Arrange the letters in BALLOT so there is one of every letter in the word in every row, column, and 3x3 box. There will be two Ls in every row, column, and box since there are 2 Ls in the word BALLOT.

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| L | L | O | B | A | T |
| A | T | B | L | O | L |
| T | B | A | L | L | O |
| O | L | L | T | B | A |
| L | A | L | O | T | B |
| B | O | T | A | L | L |

### PRESIDENT Brain teaser #1

#### Answer Key

Arrange the letters in PRESIDENT so there is one of each letter in the word in every row, column, and 3x3 box. You will have two Es in every row, column, and box since there are two Es in the word PRESIDENT.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| P | N | T | R | E | I | E | D | S |
| D | E | E | T | N | S | I | P | R |
| S | R | I | P | E | D | E | N | T |
| R | T | D | E | S | N | P | E | I |
| N | P | E | I | T | E | S | R | D |
| I | E | S | D | P | R | N | T | E |
| E | D | R | S | I | P | T | E | N |
| T | S | N | E | R | E | D | I | P |
| E | I | P | N | D | T | R | S | E |

### PRESIDENT Brain teaser #2

#### Answer Key

Arrange the letters in PRESIDENT so there is one of each letter in the word in every row, column, and 3x3 box. You will have two Es in every row, column, and box since there are two Es in the word PRESIDENT.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| E | S | D | T | P | E | R | N | I |
| T | I | R | S | N | D | E | E | P |
| N | P | E | E | I | R | T | D | S |
| I | N | P | D | R | S | E | E | T |
| S | R | E | E | T | I | N | P | D |
| D | E | T | N | E | P | I | S | R |
| R | T | S | P | E | E | D | I | N |
| E | D | I | R | S | N | P | T | E |
| P | E | N | I | D | T | S | R | E |