

Reviewing Place Value through 5-Digit Numbers

<p>1. In the number 3,845,</p> <p>the 4 means _____.</p> <p>the 5 means _____.</p> <p>the 3 means _____.</p> <p>the 8 means _____.</p>	<p>2. Write the number that has</p> <p>3 in the ones place</p> <p>7 in the thousands place</p> <p>4 in the tens place</p> <p>1 in the hundreds place</p> <p>_____ , _____</p>
<p>3. Write 4 in the ten-thousands place. Write 7 in the thousands place. Write 3 in the hundreds place. Write 1 in the tens place. Write 6 in the ones place.</p> <p>_____ , _____</p>	<p>4. Write 8 in the tens place. Write 2 in the thousands place. Write 3 in the ones place. Write 5 in the hundreds place. Write 7 in the ten-thousands place.</p> <p>_____ , _____</p>
<p>5. a. The 8 in 35,846 stands for 8</p> <p>_____ or _____.</p> <p>b. The 0 in 50,981 stands for 0</p> <p>_____ or _____.</p>	<p>6. a. The 4 in 89,504 stands for 4</p> <p>_____ or _____.</p> <p>b. The 9 in 91,688 stands for 9</p> <p>_____ or _____.</p>

Reviewing Place Value through 5-Digit Numbers

1. Write 1 in the tens place.
Write 2 in the ones place.
Write 4 in the thousands place.
Write 3 in the hundreds place.
Write 7 in the ten-thousands place.

_____ , _____

2. Write 1 in the ones place.
Write 9 in the thousands place.
Write 5 in the tens place.
Write 2 in the ten-thousands place.
Write 7 in the hundreds place.

_____ , _____

3.
 - a. The 1 in 23,415 stands for 1 _____ or _____.
 - b. The 2 in 29,843 stands for 2 _____ or _____.
 - c. The 7 in 85,720 stands for 7 _____ or _____.
 - d. The 3 in 44,513 stands for 3 _____ or _____.
 - e. The 8 in 91,578 stands for 8 _____ or _____.
 - f. The 4 in 14,029 stands for 4 _____ or _____.

Reviewing Place Value through 5-Digit Numbers

Ten-Thousands	Thousands	Hundreds	Tens	Ones
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Complete.

1. The 9 in 4,965 stands for 9 hundreds or 900.
2. The 4 in 48,215 stands for 4 _____ or _____.
3. The 0 in 72,601 stands for 0 _____ or _____.
4. The 7 in 87,629 stands for 7 _____ or _____.
5. The 8 in 38,291 stands for 8 _____ or _____.
6. The 3 in 5,413 stands for 3 _____ or _____.

Follow the steps to write each number.

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 7. Write 6 in the tens place.
Write 4 in the ten-thousands place.
Write 9 in the ones place.
Write 0 in the hundreds place.
Write 1 in the thousands place.

_____ | <ol style="list-style-type: none"> 8. Write 6 in the ones place.
Write 4 in the thousands place.
Write 9 in the hundreds place.
Write 0 in the tens place.
Write 1 in the ten-thousands place.

_____ |
| <ol style="list-style-type: none"> 9. Write 6 in the hundreds place.
Write 4 in the tens place.
Write 9 in the ten-thousands place.
Write 0 in the ones place.
Write 1 in the thousands place.

_____ | <ol style="list-style-type: none"> 10. Write 6 in the ten-thousands place.
Write 4 in the hundreds place.
Write 9 in the tens place.
Write 0 in the thousands place.
Write 1 in the ones place.

_____ |

Understanding Place Value through 1,000,000

Complete.

1. In 307,584,

3 is worth 300,000

7 is worth _____

4 is worth _____

2. In 7,209,

7 is worth _____

0 is worth _____

2 is worth _____

3. In 280,743,

8 is worth _____

2 is worth _____

4 is worth _____

4. In 10,837,

8 is worth _____

1 is worth _____

0 is worth _____

5. In 207,653,

5 is worth _____

6 is worth _____

7 is worth _____

6. In 456,789,

4 is worth _____

9 is worth _____

5 is worth _____

7. In 381,062,

1 is worth _____

6 is worth _____

3 is worth _____

8. In 903,578,

5 is worth _____

0 is worth _____

3 is worth _____

Understanding Place Values through 1,000,000

<p>1. In the number 1,596,</p> <p>the 9 means _____.</p> <p>the 6 means _____.</p> <p>the 1 means _____.</p> <p>the 5 means _____.</p>	<p>2. Write the number that has</p> <p>4 in the hundreds place</p> <p>6 in the thousands place</p> <p>1 in the ones place</p> <p>5 in the tens place</p> <p>_____ , _____</p>
<p>3. In 489,103,</p> <p>9 is worth _____</p> <p>3 is worth _____</p> <p>4 is worth _____</p>	<p>4. In 134,785,</p> <p>3 is worth _____</p> <p>8 is worth _____</p> <p>7 is worth _____</p>
<p>5. In 980,167,</p> <p>6 is worth _____</p> <p>1 is worth _____</p> <p>9 is worth _____</p>	<p>6. Make up and solve your own Review Box.</p>

Add Three or More 2- and 3-Digit Numbers to Solve Number Stories

Solve. Show your work in the space provided.

- 1.** Ellen bought gum for 25 cents, pear juice for 55 cents, grape juice for 45 cents, and orange juice for 65 cents. How much money did she spend?

Number model:

Answer the question: _____

Total			
Part	Part	Part	Part

- 2.** Mrs. Lee drove from Houston, Texas to Wichita, Kansas. On the first day, she drove 247 miles. On the second day, she drove 205 miles. On the third day, she drove 158 miles and arrived in Wichita. How many miles did she drive in all?

Number model:

Answer the question: _____

Total		
Part	Part	Part

Add Three or More 2- and 3-Digit Numbers to Solve Number Stories

1. Jerome likes to eat sunflower seeds. He ate 18 seeds on Monday, 24 seeds on Tuesday, 60 seeds on Wednesday, and 36 seeds on Thursday. How many grapes did he eat in all?

_____ (unit)

Total			
Part	Part	Part	Part


2. The Weston family drove from Santa Fe, New Mexico to Topeka, Kansas. They drove 116 miles on the first day, 235 miles on the second day, and 351 miles on the third day. How many miles did they drive in all?

_____ (unit)

Total		
Part	Part	Part

Add or Subtract Decimals Using a Savings Account

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<p>1. In the number 27.364:</p> <p>the 3 means _____.</p> <p>the 4 means _____.</p> <p>the 2 means _____.</p> <p>the 7 means _____.</p> <p>the 6 means _____.</p>	<p>2. Rafael invited 40 friends to his party. There were 16 friends who could not come. How many friends came to his party?</p> <p>_____ friends</p> <div style="text-align: center;">  </div> <p>Number model: _____</p>
<p>3. Damian had \$14.27 in his savings account. He withdrew \$4.63. A month later, he deposited \$7.75. What is the new balance in his savings account?</p> <p>\$ _____</p>	<p>4. Mrs. Ayala had \$97.22 in her savings account. She withdrew \$24.25. A week later, she deposited \$44.50. What is the new balance in her savings account?</p> <p>\$ _____</p>
<p>5. Mrs. Orta had \$98.08 in her savings account. She deposited \$34.50. A week later, she withdrew \$23.25. What is the new balance in her savings account?</p> <p>\$ _____</p>	<p>6. Explain how you found the new balance in Problem 5.</p>

Add or Subtract Decimals Using a Savings Account

1. Andre had \$18.74 in his savings account. Then he withdrew \$10.29 to buy a game. How much money does he have left?

\$ _____

2. Gerardo had \$17.83 in his piggy bank. Then his mother gave him \$4.75 for doing his weekly chores. He went to the store with his sister but forgot his money. He borrowed \$20.00 from her and spent it all. How much money will he have after he repays his sister?

\$ _____

Number model: _____

3. Mrs. Carmon had \$97.72 in her savings account. She withdrew \$45.50. A week later, she deposited \$24.25. What is the new balance in her savings account?

\$ _____

Write what you did to find the answer.

Fact Extension Practice with Number Grids

Use the Number Grid to help you solve the facts.

1. $3 + 8 =$ _____

$13 + 8 =$ _____

$43 + 8 =$ _____

2. $11 - 6 =$ _____

$21 - 6 =$ _____

$51 - 6 =$ _____

3. $13 - 7 =$ _____

$33 - 7 =$ _____

$83 - 7 =$ _____

4. $9 + 4 =$ _____

$39 + 4 =$ _____

$79 + 4 =$ _____

5. How does knowing a basic fact help you solve problems with larger numbers?

Name: _____ Date: _____ Time: _____

Fact Extension Practice with Number Grids

1. Use a number grid to help you solve.

$22 - 6 = \underline{\hspace{2cm}}$

$27 + 9 = \underline{\hspace{2cm}}$

$32 - 6 = \underline{\hspace{2cm}}$

$37 + 9 = \underline{\hspace{2cm}}$

$72 - 6 = \underline{\hspace{2cm}}$

$97 + 9 = \underline{\hspace{2cm}}$

2. Use a number grid to help you solve.

$14 - 5 = \underline{\hspace{2cm}}$

$5 + 3 = \underline{\hspace{2cm}}$

$140 - 50 = \underline{\hspace{2cm}}$

$50 + 30 = \underline{\hspace{2cm}}$

$1,400 - 500 = \underline{\hspace{2cm}}$

$500 + 300 = \underline{\hspace{2cm}}$

3. Use a number grid to help you solve.

$21 - 4 = \underline{\hspace{2cm}}$

$23 + 8 = \underline{\hspace{2cm}}$

$31 - 4 = \underline{\hspace{2cm}}$

$33 + 8 = \underline{\hspace{2cm}}$

$71 - 4 = \underline{\hspace{2cm}}$

$73 + 8 = \underline{\hspace{2cm}}$

Number Grid (–9 to 110)

–9	–8	–7	–6	–5	–4	–3	–2	–1	0
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

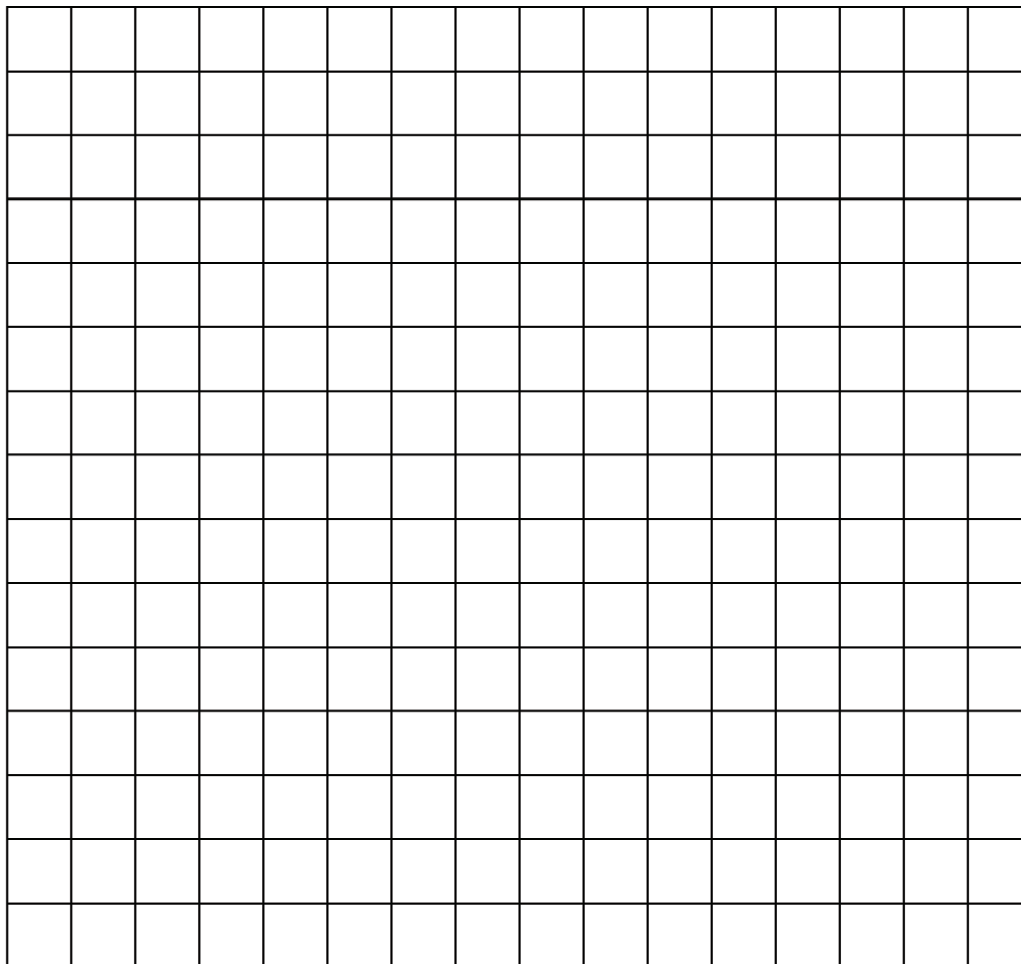
Estimate Differences with 2- and 3-Digit Numbers

Make a ballpark estimate. Write a number model to show your estimate.

<p>Example: Ballpark estimate: $330 - 200 = 130$</p> $\begin{array}{r} 329 \\ - 187 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>1. Ballpark estimate: _____</p> $\begin{array}{r} 73 \\ - 37 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>2. Ballpark estimate: _____</p> $\begin{array}{r} 91 \\ - 56 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>
<p>3. Ballpark estimate: _____</p> $\begin{array}{r} 129 \\ - 112 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>4. Ballpark estimate: _____</p> $\begin{array}{r} 456 \\ - 247 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>5. Ballpark estimate: _____</p> $\begin{array}{r} 752 \\ - 387 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>
<p>6. Ballpark estimate: _____</p> $\begin{array}{r} 243 \\ - 32 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>7. Ballpark estimate: _____</p> $\begin{array}{r} 562 \\ - 78 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>8. Ballpark estimate: _____</p> $\begin{array}{r} 618 \\ - 65 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>

Choose Your Algorithm

Multiply. Use extra grid paper if needed.



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1. a. $18 \times 24 =$ _____

b. _____ $= 42 \times 66$

2. a. $192 \times 21 =$ _____

b. _____ $= 17 \times 472$

3. a. $66 \times 876 =$ _____

b. _____ $= 888 \times 52$

Choose Your Algorithm

Use any multiplication algorithm you choose to solve the following problems.

Show your work.

Example:
$$\begin{array}{r} 0.28 \\ * 1.3 \\ \hline 0.364 \end{array}$$

1.
$$\begin{array}{r} 0.47 \\ * 0.83 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 19.6 \\ * 3 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 23.65 \\ * 6 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 0.48 \\ * 25.2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 0.21 \\ * 28 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 4.8 \\ * 25 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1.52 \\ * 0.4 \\ \hline \end{array}$$

8. Select one problem. Explain your multiplication algorithm.

Choose Your Algorithm

Use any multiplication algorithm you choose to solve the following problems. Show your work.

1.
$$\begin{array}{r} 1.4 \\ \times 7.8 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 13.1 \\ \times 7 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 0.79 \\ \times 24.3 \\ \hline \end{array}$$

Name: _____ Date: _____ Time: _____

Add or Subtract Using an Algorithm

1. Solve mentally or with a paper-and-pencil algorithm.

$$0.82 + 0.77 = \underline{\hspace{2cm}}$$

2. Solve mentally or with a paper-and-pencil algorithm.

$$\underline{\hspace{2cm}} = 19.74 + 4.6$$

3. Solve mentally or with a paper-and-pencil algorithm.

$$\underline{\hspace{2cm}} = 3.2 - 0.9$$

Add or Subtract Using an Algorithm

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<p>1. In the number 9.157,</p> <p>the 1 means _____.</p> <p>the 5 means _____.</p> <p>the 7 means _____.</p> <p>the 9 means _____.</p>	<p>2. There were 31 bottles of water. The class drank 18 bottles during lunch. How many bottles of water are left?</p> <p>_____ bottles</p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 10px auto; text-align: center;">Quantity</div> <div style="border: 1px solid black; width: 80px; height: 40px; margin: 10px auto; text-align: center;">Quantity</div> <p style="text-align: center;">_____</p> <p style="text-align: center;">Difference</p> <p>Number model: _____</p>
<p>3. Solve mentally or with a paper-and-pencil algorithm.</p> <p>_____ = 0.31 + 0.98</p>	<p>4. Add mentally or with a paper-and-pencil algorithm.</p> <p>_____ = 45.61 + 8.7</p>
<p>5. Solve. Use a pencil-and-paper algorithm.</p> <p>3.6 – 0.7 = _____</p>	<p>6. Explain which paper-and-pencil algorithm you used to solve Problem 5.</p>

Discuss Strategies to Estimate Difference with 2-Digit and 3-Digit Numbers

Make a ballpark estimate. Write a number model to show your estimate. Then use any method to find the actual difference.

<p>Example: Ballpark estimate: $350 - 200 = 150$</p> <hr style="width: 50%; margin: 5px auto;"/> $\begin{array}{r} 348 \\ - 201 \\ \hline 147 \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>1. Ballpark estimate: _____</p> $\begin{array}{r} 73 \\ - 29 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>2. Ballpark estimate: _____</p> $\begin{array}{r} 98 \\ - 35 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>
<p>3. Ballpark estimate: _____</p> $\begin{array}{r} 207 \\ - 106 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>4. Ballpark estimate: _____</p> $\begin{array}{r} 481 \\ - 449 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>	<p>5. Ballpark estimate: _____</p> $\begin{array}{r} 828 \\ - 172 \\ \hline \end{array}$ <p>Is your estimate reasonable? _____</p>

Discussing U.S. Customary Units of Length

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<p>1. Write these units in order from smallest to largest: foot, yard, inch, mile.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>2. Would it make sense to measure the distance to Atlanta, Georgia in inches?</p> <p>_____</p> <p>What would be a better unit?</p> <p>_____</p>
<p>3. How many inches are in 1 foot?</p> <p>_____ inches</p> <p>How many inches are in 1 yard?</p> <p>_____ inches</p> <p>How many feet are in 1 yard?</p> <p>_____ feet</p>	<p>4. What fraction of a yard is 1 foot?</p> <p>_____ yard</p> <p>What fraction of a foot is 1 inch?</p> <p>_____ foot</p>
<p>5. Would it make sense to measure the length of this room in inches?</p> <p>_____</p> <p>What would be a better unit?</p> <p>_____</p>	<p>6. Would it make more sense to measure the length of a room with a ruler, a yardstick, or a tape measure? Explain your answer.</p>

Converting Units of Length

Find the equivalent measures.

1. a. 6 ft = _____ in.

b. 3 miles = _____ ft

c. 8 yd = _____ ft

d. 8 ft = _____ in.

e. 2 miles = _____ yd

f. $1\frac{1}{2}$ miles = _____ yd

- g. What do you do to convert from a larger unit to a smaller unit (such as from feet to inches)?

2. a. 24 ft = _____ yd

b. 10,560 ft = _____ miles

c. 48 in. = _____ ft

d. 300 ft = _____ yd

e. 5,280 yd = _____ miles

f. 120 in. = _____ ft

- g. What do you do to convert from a smaller unit to a larger unit (such as from feet to yards)?

Choosing the Best Unit of Measure

All of the items below may be measured with any of the given units. Some units are best for measuring short distances, and some units are best for measuring long distances.

Decide which unit is best for each situation.

Circle the unit that you would use to measure each of them.

- 1.** length of a soccer field

yard

foot

inch

- 2.** distance from Los Angeles, California, to Seattle, Washington

inch

foot

mile

- 3.** perimeter of your classroom

inch

foot

mile

- 4.** height of your friend

yard

foot

mile

- 5.** length of a car

inch

foot

mile

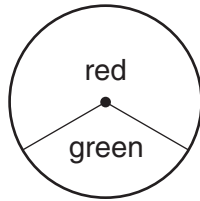
- 6.** width of a book

inch

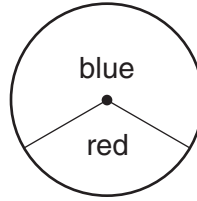
foot

yard

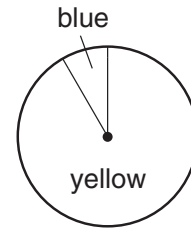
Understanding Outcomes



Spinner A



Spinner B



Spinner C

Write the letter of the spinner that best matches each statement below.

Example: Landing on blue is very unlikely.

Spinner _____

1. Landing on red is unlikely.

Spinner _____

2. Landing on yellow is very likely.

Spinner _____

3. Landing on blue is impossible.

Spinner _____

4. Landing on red is likely.

Spinner _____

5. Landing on blue is likely.

Spinner _____

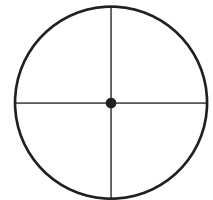
6. Landing on yellow or blue is certain.

Spinner _____

Draw a spinner to match each statement. Tell how many outcomes are possible. Then explain your reasoning.

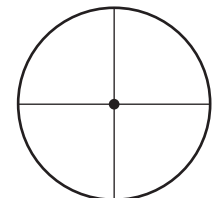
7. Landing on yellow is certain.

Number of possible outcomes: _____



8. Landing on blue is impossible.

Number of possible outcomes: _____



Explaining the Likelihood of Events

Circle the box that shows how likely the event is.

1. How likely is it that you will roll a sum greater than 2 with a pair of dice?

very unlikely	unlikely	likely	very likely
---------------	----------	--------	-------------

2. How likely is it that you will roll a sum of 2 with a pair of dice?

very unlikely	unlikely	likely	very likely
---------------	----------	--------	-------------

For Problems 3–5, think of a box of ABC blocks. Each block shows a different letter of the alphabet. You close your eyes and pick one of the 26 blocks.

3. a. How likely is it that you pick the letter B?

very unlikely	unlikely	likely	very likely
---------------	----------	--------	-------------

- b. Explain your answer.

4. How likely is it that you pick a vowel?

Hint: Vowels are the letters A, E, I, O, and U.

very unlikely	unlikely	likely	very likely
---------------	----------	--------	-------------

- b. Explain your answer.

5. How likely is it that you will pick a consonant?

Hint: Consonants are all letters except A, E, I, O, and U.

very unlikely	unlikely	likely	very likely
---------------	----------	--------	-------------

- b. Explain your answer.
