A room measures 8 meters long and 7 meters wide. What is the area of the room?

Activity 1

Read, analyze and solve. Draw a figure to help you.

1) Mommy Cathy bought a square cardboard for the project of her daughter Rose. If the cardboard measures 50 centimeters on each side, what is the area of the cardboard?

2) A table runner measures 48 cm on all sides. What area of the table does it cover?

3) Find the area of the shaded portion:

a. \[ \text{8 m} \quad 11 \text{ m} \quad \text{16 m} \]

b. \[ \text{76 cm} \quad \text{76 cm} \]
4) The area of a room is 108 sq. meters. If the width is 9 meters, what is the length?

5) What is the side of a square lot with an area of 400 sq. m?

Activity 2

Solve the following questions. Draw a figure to help you.

1) What is the width of an auditorium whose area is 1120 sq. meters and length of 35 meters?
2) My uncle has 36 sq. m square vegetable garden. What is the side of the garden?
3) The area of a rectangular lot is 576 sq. m. If the width is 18 meters, what is the length?
4) What is the area of a sheet of paper with dimensions 10 cm by 5 cm?
5) The area of a square room is 9 sq. m. What is the side of the room?
Square and Rectangle Mania

Find the missing length, width and side to solve for the area of a square and a rectangle.

1) Area of figure 1 = _________
2) Area of figure 2 = _________
3) Area of figure 3 = _________
4) Area of figure 4 = _________
5) Which has the greater area if two figures will be combined?
   ___________________________
6) figures will be combined?
7) What is the total area of the figure? ____________________
8) If the area of figures 2, 3, and 4 are combined, is it equal to the area of figure 1? Why?
   ___________________________________________________
Activity 4

Create your own word problem using the given figure. Use words like plot, farm, garden, floor, lawn, lot, plaza, park and others in creating your word problems.

Example 1:

A rectangular lot is 6 meters long and 3 meters wide. What is the area?

\[ l = 6 \text{ m} \]
\[ w = 3 \text{ m} \]

Example 2:

A square lawn is 5 meters each on all sides. What is the area?

\[ S = 5 \text{ m} \]

1)
\[ S = 4 \text{ m} \]

2)
\[ l = 8 \text{ m} \]
\[ w = 4 \text{ m} \]
Read, analyze then solve.

1) What is the area of the auditorium whose length is 45 meters and whose width is 35 meters?

2) The guest room in Mr. Gozo’s house is square-shaped. One side is 8 meters long. Find the area of the room.

3) The playing field is 75 meters long and 34 meters wide. What is its area?

4) If the area of a handkerchief is 225 sq. cm, what is the length of the side?
Read, analyze then solve.

1) Mrs. Angeles, a subdivision owner in Cebu, donated a lot for a chapel measuring 24 meters by 30 meters. What is the area of the site for the chapel?

2) Ken made a banner for the school program. The banner is 32 cm long and 25 cm wide. What is the area of the banner?

3) The area of Mr. Devanadera’s lot is 180 square meters. Mr. Gesmundo’s lot is twice as big as Mr. Devanadera. What is the area of Mr. Gesmundo’s lot?

4) What is the area of a handkerchief which has 48 cm on all sides? What will happen to the area if you double the side?

5) Mr. Santiago has a square vegetable garden with each side measuring 8 meters. If you add 4 more meters to any two opposite sides, what will be the new area of the garden?
Lesson 82

Capacity of a Container using Milliliter or Liter

How many liters of water does a pail hold?

How many milliliters of water does a glass hold?

Activity 1

Which estimate is better for the capacity of each?

1) Spoonful of medicine – 50 mL or 5L
2) Glass of buko juice – 2L or 200 mL
3) Bottle of cough syrup – 1L or 200 mL
4) A pail of water – 500 mL or 5L
5) Large can of pineapple juice – 150 mL or 1L
6) A drop of medicine – 5 mL or 5L
7) Bottle of calamansi juice – 500 mL or 2L
8) Pot of soup – 5L or 50 mL
9) Large container of milk – 4 L or 10 mL
10) A bottle of liquid detergent – 3L or 50 mL
Below are containers with their corresponding capacity. Determine which container will be able to hold the given amount of liquid.

1) 2L water and 1.5L mango juice  
2) 250 mL melon juice, 250 mL water  
3) 12 L water  
4) 850 mL pineapple juice and 850 mL orange juice  
5) 100 mL grapefruit juice, 250 mL water and 50 mL honey syrup.
Activity 3

Give the total weight. Express your answer in mL.

1) 250 mL soy sauce and 275 mL vinegar
   _________

2) 400 mL honey and 650 mL orange juice
   _________

3) 350 mL mango juice and 1 L of water
   _________

4) 350 mL beef broth and 500 mL water
   _________

5) 500 mL water and 250 mL mango juice
   _________

6) 750 mL chicken broth and 500 mL water
   _________

7) 200 mL fish sauce and 850 mL water
   _________

8) 1.5 L milk tea and 150 mL honey syrup
   _________

9) ½ L water and ½ L coconut milk
   _________

10) 850 mL of water and 350 mL pineapple juice
    _________
Choose milliliters or liters to complete the sentence.

1) Kristine uses 500 _____________ of water in preparing pineapple juice.
2) The squeaky door needs about 2 _____________ of oil.
3) The can holds about 750 _____________ of mango juice.
4) The swimming pool holds about 90 _____________ of water.
5) Henry put 10 _____________ of water in his aquarium.
6) There are about 100 000 _____________ of water in the pond.
7) Gerlie takes 50 _____________ of cough syrup.
8) Everyday Vicky’s daughter takes 250 _____________ glass of milk.
9) Ellen uses about 100 _____________ of glue in her project.
10) Remy uses 25 _____________ of shampoo.
A. Milliliter or Liter: Which unit is appropriate to use to measure the capacity of the following items?

1) Glue in a bottle  
2) Water in a bathtub  
3) Orange juice in a punch bowl  
4) Shampoo in a small bottle  
5) Buko juice in a tetra pack

6) Water in a well  
7) Cup of red tea  
8) Soup in a bowl  
9) Gasoline in a drum  
10) A tablespoon of honey

B. Convert to L or mL.

1) 2000 mL = ____ L
2) 5 L = ____ mL
3) 43000 mL = ____ L
4) 3½ L = ____ mL
5) 8750 mL = ____ L
A. Choose the appropriate measurement.
   1) A can can hold about (4 mL, 4 L) of paint.
   2) Drinking glass holds about (250 mL, 250 L) of milk.
   3) A pail holds about (10 mL, 10 L) of water.
   4) Pitcher holds about (200 mL, 2 L) of juice.
   5) Cup holds about (200 mL, 2 L) of coffee.

B. Give 3 examples for each case.
   1) Name containers that holds about 1 liter.
   2) Name containers that hold more than 1 L.
   3) Name containers that hold more than 1 mL.
Look at the following containers.

A  B  C  D

Which container holds more liquid, C or D? Why?
Which holds lesser amount of liquid, A or B? Why?

Activity 1

Read and solve. Show your solutions on your answer sheet.

1) Mark drinks 4 000 milliliters of water in one day. How many liters does he drink?
2) A bottle of orange juice is labelled 2 L. How many ml is this?
3) Rolly brought 10 liters of water. How many ml is that?
4) A water container holds 6 000 ml. How many liters is this?
5) Roda buys juice in 1 L bottles. There are 6 bottles in one box. How many milliliters of bottles of juice are there in one box?

Study the table below and answer the following questions.

<table>
<thead>
<tr>
<th>Container</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>water jug</td>
<td>5 000 ml</td>
</tr>
<tr>
<td>pitcher</td>
<td>2 L</td>
</tr>
<tr>
<td>glass</td>
<td>250 ml</td>
</tr>
<tr>
<td>large plastic bottle</td>
<td>750 ml</td>
</tr>
<tr>
<td>bucket</td>
<td>7 L</td>
</tr>
</tbody>
</table>

1) What is the capacity of:
   a. water jug in liters? b. pitcher in milliliters? c. bucket in milliliters?
2) What is the total capacity of the glass and large plastic bottle in liters?
3) What is the total capacity of the water jug and large plastic bottle in milliliters?
4) What is the total capacity of the water jug, pitcher and bucket in liters?
5) What is the total capacity of the pitcher, glass and large plastic bottle in liters?
6) Which holds more liquid? bucket, large plastic bottle and glass? Or water jug and pitcher?
Carlo, Nilo, Luis and Jeric were in-charge of the refreshment booth during the School Foundation Day. Each of them brought different kinds of juice to sell: orange, mango, pineapple and buko, each in a 20-L container. They also used three kinds of cups: regular cup = 150 ml; medium cup = 200 ml and large cup = 350 ml.

1) Carlo, who was selling orange juice, sold four large cups and 20 medium cups. How much orange juice was left in the container?
2) Nilo, who was selling mango juice, sold 10 medium cups and 10 large cups. How much mango juice was left in the container?
3) Luis, who was selling pineapple juice, sold 8 large, 15 medium and 10 regular cups. How much pineapple juice was left in the container?
4) Jeric, who was selling buko juice, sold 20 regular cups, 15 medium cups and 10 large cups. How much buko juice was left in the container?
5) How much juice did they sell altogether? How much was left?
Make 3 word problems using the capacity unit of measures inside the box.

Example:
Lito used 500 mL of soy sauce and 500 mL of vinegar in cooking pork and chicken adobo. How much condiment did he use?

1) ___________________________________________________
   ___________________________________________________
   ___________________________________________________

2) ___________________________________________________
   ___________________________________________________
   ___________________________________________________

3) ___________________________________________________
   ___________________________________________________
   ___________________________________________________
1) A bus’ gas tank holds 35 L of gasoline. On Tuesday 8 L were used. How much gasoline was left in the tank?

2) Teacher Karen went hiking with her 12 pupils. Each of them carried 500 mL water bottle. How many liters of water did they bring in all?

3) A water dispenser holds about 5 L of water. How much water does it hold in milliliters?

4) Yesterday it was raining hard. Jenny and Jane put basins outside to collect rainwater. When the rain stopped Jenny’s basin was filled with 4 L of rainwater while Jane’s basin had 3 000 mL. How many liters of rainwater were they able to collect?

5) A caterer put 15 small vases on the table. Each vase holds 200 mL of water. How much water is needed for all the vases?
Solve the following problems. You may draw a picture to help you solve them.

1) In a seminar, one hundred fifty participants consumed 20 liters of drinking water every meal. How many milliliters of drinking water did they consume?

2) Jonas bought twelve 250 mL cans of orange juice. How many liters is that?

3) Ethel mixed 750 mL of water and 125 mL of concentrated juice in a pitcher. How many milliliters of juice does the pitcher hold?

4) A water company delivers 650 liters of water to an evacuation camp every week. How many milliliters of water does it deliver weekly?

5) Teacher Liza went hiking with 10 pupils. Each of them carried an 850 mL of mineral water bottle. How many liters of water did they bring in all?
Collecting Data on One Variable

Study the table below.

Scores in Achievement Test in Mathematics

<table>
<thead>
<tr>
<th>Score</th>
<th>Tally</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>IIVV</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>IIII</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>IVII</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>IIII</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>I</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>I</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

What is the highest score? the lowest score?
Which score occurs most frequently?
How many pupils took the test?
Complete the table. Write your answer on your paper.

Enrolment of Grade III pupils in Tapaz Central School

<table>
<thead>
<tr>
<th>Section</th>
<th>Tally</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampaguita</td>
<td></td>
<td>39</td>
</tr>
<tr>
<td>Tulip</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthurium</td>
<td></td>
<td>59</td>
</tr>
<tr>
<td>Rosal</td>
<td></td>
<td>51</td>
</tr>
<tr>
<td>Camia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gumamela</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Number of Pupils</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

349
Activity 2

Identify and count the animals that you can see in the picture. Organize your data in a table.
Complete the table based on the data given below. Write your answer in your paper.

Favorite Color of Grade 3 – Ilang-ilang

<table>
<thead>
<tr>
<th></th>
<th>Blue</th>
<th>White</th>
<th>White</th>
<th>Red</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Pink</td>
<td>Blue</td>
<td>Yellow</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td>Red</td>
<td>Pink</td>
<td>Red</td>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Pink</td>
<td>Yellow</td>
<td>Blue</td>
<td>Pink</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td>Pink</td>
<td>Red</td>
<td>Blue</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Pink</td>
<td>Blue</td>
<td>Blue</td>
<td>Red</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Color</th>
<th>Tally</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pink</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Write two questions using the data/information from your table.
Lesson 85
Organizing and Presenting Data in Tables and Bar Graphs

What kind of sports do you like best?

Look at the table.

<table>
<thead>
<tr>
<th>Sports</th>
<th>Number of Pupils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basketball</td>
<td>15</td>
</tr>
<tr>
<td>Badminton</td>
<td>10</td>
</tr>
<tr>
<td>Volleyball</td>
<td>6</td>
</tr>
<tr>
<td>Baseball</td>
<td>5</td>
</tr>
<tr>
<td>Table tennis</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>40</strong></td>
</tr>
</tbody>
</table>

Which sport is the most preferred by the pupils?
Which is the least preferred by the pupils?
Construct a horizontal and a vertical bar graph using the following data. Create three questions using the information on the graph.

San Rafael School Library
Books Borrowed on Tuesday

<table>
<thead>
<tr>
<th>Type of Books</th>
<th>Number of Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartoons</td>
<td>15</td>
</tr>
<tr>
<td>Sports</td>
<td>12</td>
</tr>
<tr>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Fantasy</td>
<td>8</td>
</tr>
</tbody>
</table>

Activity 1

DRAFT
April 10, 2014
Activity 2

Use your provincial map to complete the table below. Construct a horizontal or vertical bar graph on your paper using the data.

Municipalities by Congressional District

<table>
<thead>
<tr>
<th>Congressional District</th>
<th>Number of Municipalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>District 1</td>
<td></td>
</tr>
<tr>
<td>District 2</td>
<td></td>
</tr>
<tr>
<td>District 3</td>
<td></td>
</tr>
<tr>
<td>District 4</td>
<td></td>
</tr>
</tbody>
</table>

Activity 3

Use the information below to organize the data in a table and bar graph. Then write three questions that can be answered using the graph you made.

The Grade 3 pupils are grouped into 3. Each group is composed of 7 members. The members were tasked to collect empty plastic bottles for their fund raising project. Here is the list of bottles collected by each group for 5 days.
Number of Bottles Collected

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>11</td>
<td>5</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>Group 2</td>
<td>9</td>
<td>3</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>Group 3</td>
<td>3</td>
<td>10</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group</th>
<th>Total Number of Bottles Collected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mr. Reyes, a toy shop owner sold the following toys one Saturday. Make a table and a horizontal bar graph on the data given.

<table>
<thead>
<tr>
<th>Toy</th>
<th>Number of Toys Sold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>![Top Image]</td>
</tr>
<tr>
<td>Ball</td>
<td>![Ball Image]</td>
</tr>
<tr>
<td>Car</td>
<td>![Car Image]</td>
</tr>
<tr>
<td>Yoyo</td>
<td>![Yoyo Image]</td>
</tr>
<tr>
<td>Marble</td>
<td>![Marble Image]</td>
</tr>
</tbody>
</table>
Study the bar graph.

**Ways of Coming to School**

- Bus
- Jeepney
- Tricycle
- Walking

Which way of coming to school is used by most pupils? What about the least means of coming to school? Why do you think most pupils walk in coming to school?
Activity 1

Use this bar graph to answer the questions. Write number sentences to solve problems.

1) Which pet was the least common?
2) Which pet was the most common?
3) How many like dogs as their pet?
4) How many like fish?
5) How many more cats are there than birds?
6) Which pet is more popular, a dog or cat?
7) How many pets are there altogether?
8) Why are there only even numbers on the vertical axis?
9) Why do you think Filipinos like to have a dog at home?
10) If there will be additional persons to be interviewed about their favorite pets, who will you choose? Explain your answer.
Activity 2

Use this graph to answer the questions. Write your answer on your answer sheet.

1) What does this graph show?
2) What is the least favorite subject?
3) How many pupils chose English as their favorite?
4) What is the favorite subject of Grade 3 pupils?
5) How many pupils chose Araling Panlipunan as their favorite?
6) How many more pupils chose Mathematics than English?
7) Which subject was more popular, Filipino or English? Why?
8) How many more students chose Mathematics than Araling Panlipunan?
9) About how many pupils are in Grade 3?
10) Why do you think Araling Panlipunan is the least liked subject?

Activity 3

Use this bar graph to answer the questions below.

1) How many people said chocolate is their favorite flavor?
2) Which flavor is liked exactly by 25 people?
3) Which flavor is liked by most people?
4) How many people said cheese is their favorite flavor?
5) Which flavor is the least liked by people?
6) What is the difference in the number of people who like chocolate and the number of people who like cheese?
7) Do more people like mango than ube?
8) How many more people like mango than nuts?
9) If you combined the number of people who like cheese and the number of people who like chocolate, how many people are they?

10) Which flavor is liked exactly by 35 people?

Maan interviewed her classmate Ana as to how she uses her 10 hours. Study her friend’s data using the bar graph below. Write 5 sentences about her graph.

Example:
1) Ana spends 1 hour watching TV.
A pizza chain decided to know how many pizzas are sold in 6 days. They presented their results in the bar graph below. Write ‘Yes’ if you could answer the questions using ONLY the information in the bar graph and “No” if not. Explain your answer.

1) Which type of pizza was sold the most?
2) Which day recorded 80 pizzas sold?
3) How much money did they make as total sale in 6 days?
4) How much less was sold on Monday than on Thursday?
5) How many pizzas were sold for the entire month?
6) Which type of pizza was sold the least?
7) What time of day when most pizzas were sold?
8) How much did each pizza cost?
9) How many pizzas were sold on Sunday?
10) How many more did they sell this Monday than they sold last Monday?
11) How many pizzas did they sell on Wednesday and Thursday combined?
12) How many pizzas were sold on Friday?
13) How many more was sold on Tuesday than on Saturday?
14) How many pizzas were sold on Tuesday?
15) Which employee sold the most pizzas?
16) If the owner included Sunday, do you think more boxes of pizza will be sold compared to the sales on Saturday? If yes, how many boxes of pizza will be sold?
A toy shop owner was holding a survey to see which cartoon character is most popular. They displayed their results in the bar graph below. Use the graph to answer the questions.

1) If you combine the number of people who liked Darna and the number of people who liked Pedro Penduko how many people would you have?
2) Which character is the least liked?
3) How many people said Pedro Penduko is their favorite character?
4) How many people said Darna is their favorite character?
5) Which character is the favorite of 45 people?
6) Did more people like Pedro Penduko? or Juan de la Cruz?
7) What is the difference in the number of people who liked Panday and those who liked Dama?
8) Which character did exactly 35 people say was their favorite?
9) Which character is most liked by the people?
10) How many more people liked Darna than Kristala?
Lesson 87

Likelihood of an Event

Study the box with 6 marbles inside it.

What object will I pick from the box?
Will I be sure that every time I pick an object it will be a marble? Why?
## Activity 1

What are the chances of each event occurring for you today? Place a check mark under the correct category for each event.

What are the Chances?

<table>
<thead>
<tr>
<th></th>
<th>Impossible</th>
<th>Unlikely</th>
<th>Equally Likely</th>
<th>Most Likely</th>
<th>Certain</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The sun rising</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Riding a bike</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Climbing Mt. Pinatubo</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Losing a tooth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Eating ice cream</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Reading a book</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Playing a game</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Seeing a rainbow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Going to school</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Calling a friend</td>
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<tr>
<td>11</td>
<td>Flying to the moon</td>
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<tr>
<td>12</td>
<td>Playing in the rain</td>
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<tr>
<td>13</td>
<td>Seeing a clown</td>
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<tr>
<td>14</td>
<td>Drinking milk</td>
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<tr>
<td>15</td>
<td>Saying “I love you” to your mother</td>
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<tr>
<td>16</td>
<td>Behaving well in the classroom</td>
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</tr>
</tbody>
</table>
Activity 2

Write impossible, unlikely, equally likely, most likely or sure.

1) How likely is it that the spinner will land on “R”?

2) If you select a marble without looking, how likely is that you will pick a blue one?

3) How likely is it that the spinner will land on a “G”?

4) If you select a marble without looking, how likely is that you will pick a red one?

5) How likely is it that the spinner will land on a “Y”? 
6) If you select a marble without looking, how likely is that you will pick a red one?

7) How likely is it that the spinner will land on “R”?

8) If you select a marble without looking, how likely is that you will pick a blue one?

9) How likely is it that the spinner will land on a “Y”?

10) If you select a marble without looking, how likely is that you will pick a violet one?
Study a segment of the number line. The number line tells us that an event is likely to happen or not through representation of numbers from 0 to 1. Are the events below impossible, unlikely, equally likely, most likely or sure to happen?

1) Ms. Banasihan said the chances of having homework tonight is \( \frac{3}{4} \).
2) Anna said the likelihood of her mother's having a baby boy was \( \frac{1}{2} \).
3) Since Karen has been grounded this week, she said the chance of her watching TV tonight was \( \frac{1}{4} \).
4) The likelihood of your mathematics book talking to you today is 0.
5) The chance that all pupils will join the fieldtrip is 1.
6) My friend told me that the chances he will be included in the honor roll is 50/50.
7) The likelihood of seeing a flying elephant is zero.
8) My dad always brings home a pasalubong, this afternoon the chances of bringing ice cream is \( \frac{3}{4} \).
9) The likelihood of winning a gold medal in the competition is less than \( \frac{1}{2} \) but not equal to zero.
10) The chances of riding a bus today is greater than \( \frac{1}{2} \) but not equal to 1.
Activity 4

A. Describe the event as impossible, unlikely, equally likely, most likely and sure to happen.

1) If my mom will give birth, it is a girl.
   Chances: ___________________________________________________
   Why: ___________________________________________________

2) We will have rain next month.
   Chances: ___________________________________________________
   Why: ___________________________________________________

3) The stars will be seen at the sky tonight.
   Chances: ___________________________________________________
   Why: ___________________________________________________

4) The cats and dogs will talk.
   Chances: ___________________________________________________
   Why: ___________________________________________________

5) I will not watch TV the whole year.
   Chances: ___________________________________________________
6) I will see a falling star tonight.
Chances:

Why:

7) The fish will jump out of the lake and walk.
Chances:

Why:

8) Santa Claus will visit our house on Christmas Eve.
Chances:

Why:

9) There will be fireworks on New Year’s Eve.
Chances:

Why:

10) I will see a rainbow today.
Chances:

Why:
B. Henry has some boxes containing red and black counters. He is going to take a counter from each box without looking.

Match boxes using the letters A – F to the statements given below. Explain your answer.

1) It is **impossible** that Henry will get black counters from box _____ because ________________________________.

2) It is **unlikely** that Henry will get black counters from box _____ because ________________________________.

3) It is **equally likely** that Henry will get a black and or red counters from box _____ because ________________________________________________________________.

4) It is **most likely** that Henry will get black counters from box _____ because ________________________________________________________________.
5) It is **sure** that Henry will get black counters from box _____ because ________________________________.

**Activity 5**

Use the following words to describe how likely it is the spinner to land on the given number(s): sure, most likely, equally likely, unlikely and impossible.

1) Even numbers
2) Odd numbers
3) Factors of 8
4) Multiple of 2
5) Number 10
6) Multiple of 3
7) Factors of 6
8) Zero
9) Multiple of 4
10) Factors of 24
A. Is it sure, most likely, equally likely, unlikely or impossible that:

1) Our principal will visit our class today. 
   
2) You will have milk for lunch today. 
   
3) You will fall down and cut open your knees. 
   
4) You will complete this lesson. 
   
5) Henry will be picking a rambutan from a basket containing a bunch of lanzones. 

B. Use the following words to describe how likely it is the spinner to land on the given shape(s): sure, most likely, equally likely, unlikely and impossible.

1) Polygon: 
   
2) Square: 
   
3) Circle: 
   
4) Triangle: 
   
5) Rectangle: 
Activity 7

What are the chances of each event occurring for you today or happening to you today? Place a check mark under the correct category for each event.

<table>
<thead>
<tr>
<th>Event</th>
<th>Impossible</th>
<th>Unlikely</th>
<th>Equally Likely</th>
<th>Most Likely</th>
<th>Certain</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Meeting a TV personality</td>
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<tr>
<td>2) Going to school</td>
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<td>3) Attending flag ceremony</td>
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<td>4) Playing a computer game</td>
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<td>5) Drinking milk</td>
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<td>6) Reading a book</td>
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<td>7) Flying to the moon</td>
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<td>8) Sleeping under a tree</td>
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<td>9) Washing clothes</td>
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<td>10) Eating candy</td>
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