Term 2 Kahoot link for similarity
https://create.kahoot.it/share/similarity-link-n-learn/03dcb38c-9415-4d52-a1a7-a59071219536

Map Quest

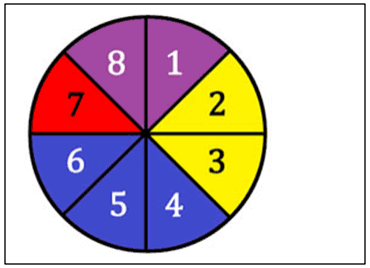
Directions: Use a ruler to measure, in inches, how far it is from one capital city to the other capital city. Round to the nearest half inch if necessary. Once you have measured the distance between the city's, use the scale below the map to figure out approximately how far it is from one capital city to the other capital city by setting up a proportion and solving for x. The first one is done for you as an example.

Capital to Capital	Proportion	Answer
Des Moines, Iowa – Little Rock, Arkansas **Example**	$\frac{inches}{miles}\ \frac{1}{410} = \frac{1.5}{x}$	615 miles
Olympia, Washington – Boise, Idaho		
Sacramento, California – Springfield, Illinois		
Helena, Montana – Baton Rouge, Louisiana		
St. Paul, Minnesota – Columbia, South Carolina		
Santa Fe, New Mexico – Aususta, Maine		

Key: 1 inch = 410 miles

Key

Capital to Capital	Proportion	Answer
Olympia, Washington – Boise, Idaho	$\frac{inches}{miles}\ \frac{1}{410} = \frac{1}{x}$	**410 miles**
Sacramento, California – Springfield, Illinois	$\frac{inches}{miles}\ \frac{1}{410} = \frac{5}{x}$	**2050 miles**
Helena, Montana – Baton Rouge, Louisiana	$\frac{inches}{miles}\ \frac{1}{410} = \frac{4.5}{x}$	**1845 miles**
St. Paul, Minnesota – Columbia, South Carolina	$\frac{inches}{miles}\ \frac{1}{410} = \frac{3}{x}$	**1230 miles**
Santa Fe, New Mexico – Aususta, Maine	$\frac{inches}{miles}\ \frac{1}{410} = \frac{6}{x}$	**2460 miles**



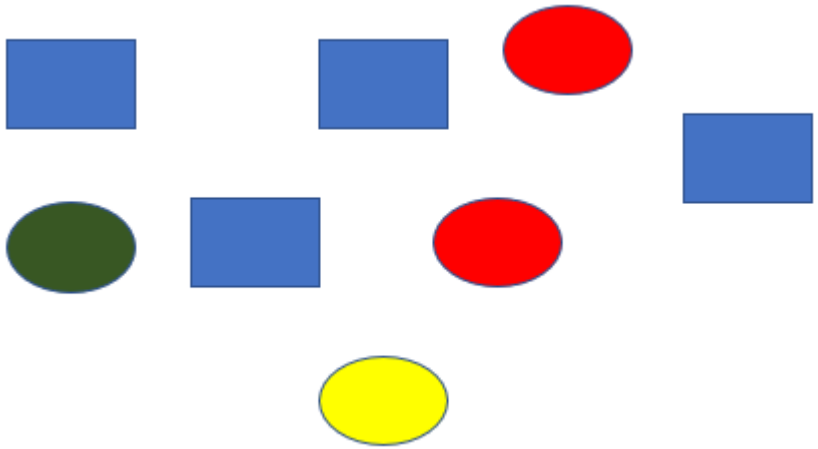
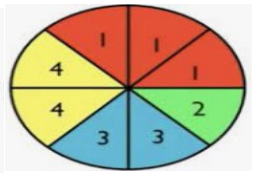
Simple and Compound Events Probability Activity

"answer sheet"

1. answer the questions below
2. put in your answers in the correct box
3. answer key is located on last page

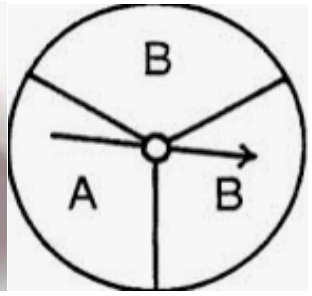
1.	2.	3.	4.	5.
6.	7.	8.	9.	10.

Questions

1. What is the probability of choosing a red circle? 	**2. (flip the coin and spin the spinner)** *Find P (flipping a heads and landing on 1)*  

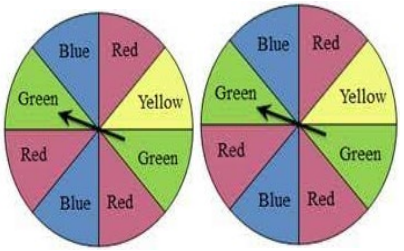
3. (rolling the die and spin the spinner)

Find P (rolling a 6 and landing on B)

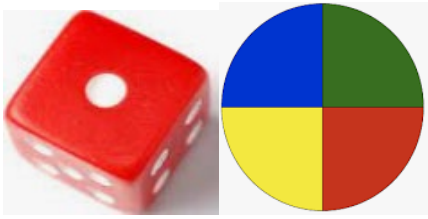


4. (spinning the spinner twice)

*Find P (landing on **blue** the first time and landing on **red** the second time)*



5. **(spinning the spinner once)** *Find P (landing on a yellow)* 	**6.** **(spinning the spinner once)** *Find P (landing on a blue or yellow)* 
7. **(roll two dice)** *Find P (sum of 1)* 	**8.** **(roll two dice)** *Find P (sum of 5)* 

9. (flip the coin and spin the spinner) *Find P (flipping a heads and landing on blue)* 	**10. (roll the die and spin the spinner)** ***Find P (rolling a 3 and landing on green)*** 

Answer Key

1. $\frac{1}{4}$	2. $\frac{3}{16}$	3. $\frac{1}{9}$	4. $\frac{3}{32}$	5. $\frac{3}{8}$
6. $\frac{1}{2}$	7. $\frac{0}{36}$	8. $\frac{1}{9}$	9. $\frac{1}{8}$	10. $\frac{1}{24}$

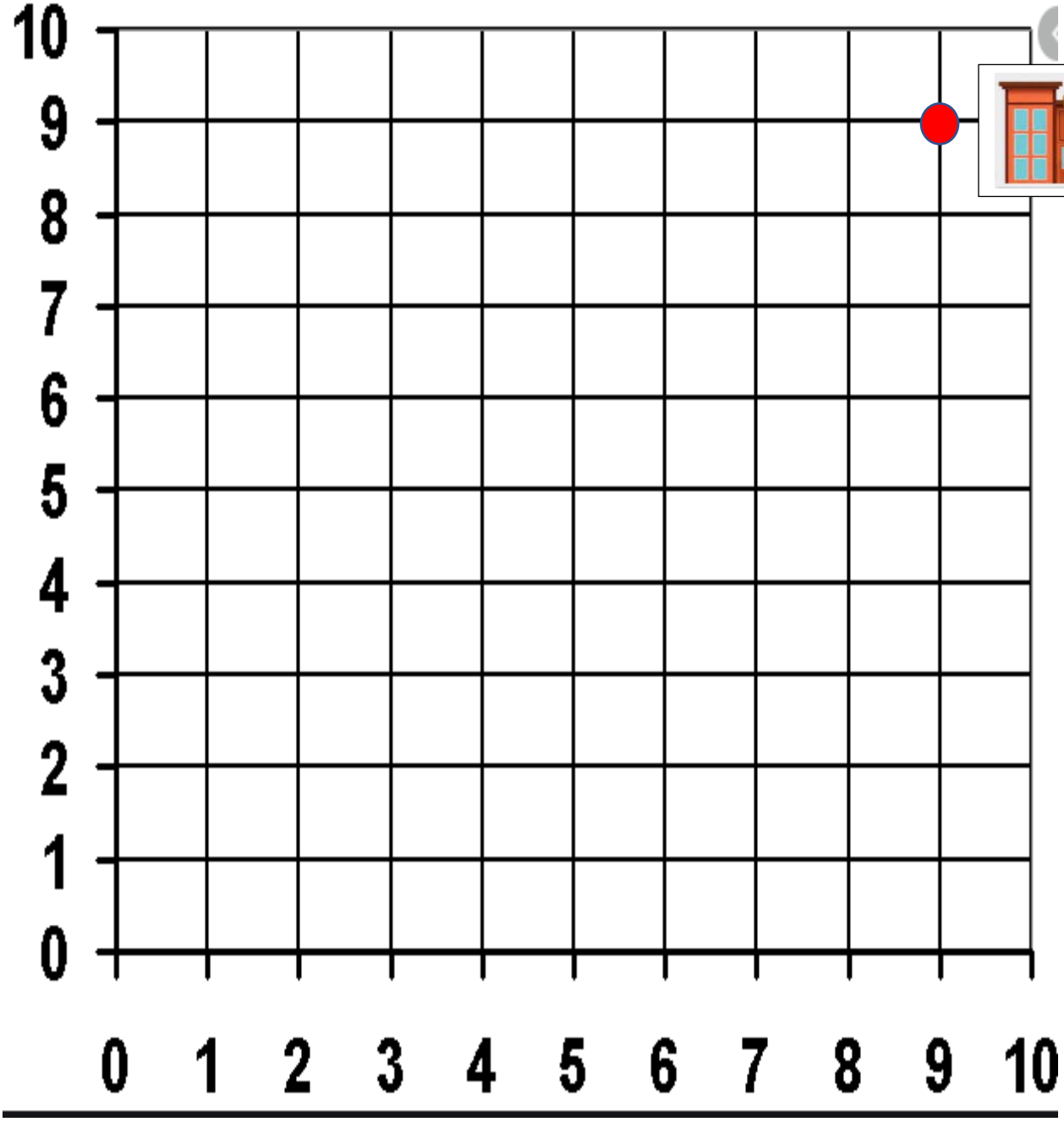
Find your way home through conversions

Directions: Leroy had a very busy Saturday. He ended up at the library and now has no idea how to get home. He is going to need to retrace his steps and needs your help.

1. **Convert each scenario card. After you converted round your answer to the nearest whole number if necessary.**
2. **After you converted the cards you will plot your points on the quadrant grid. Make sure to start at (9,9) and work from there.**
3. **After you plotted all the points you will write down where Leroy's home is located.**

Conversion Key: 1 Mile is approximately 1.6 Km

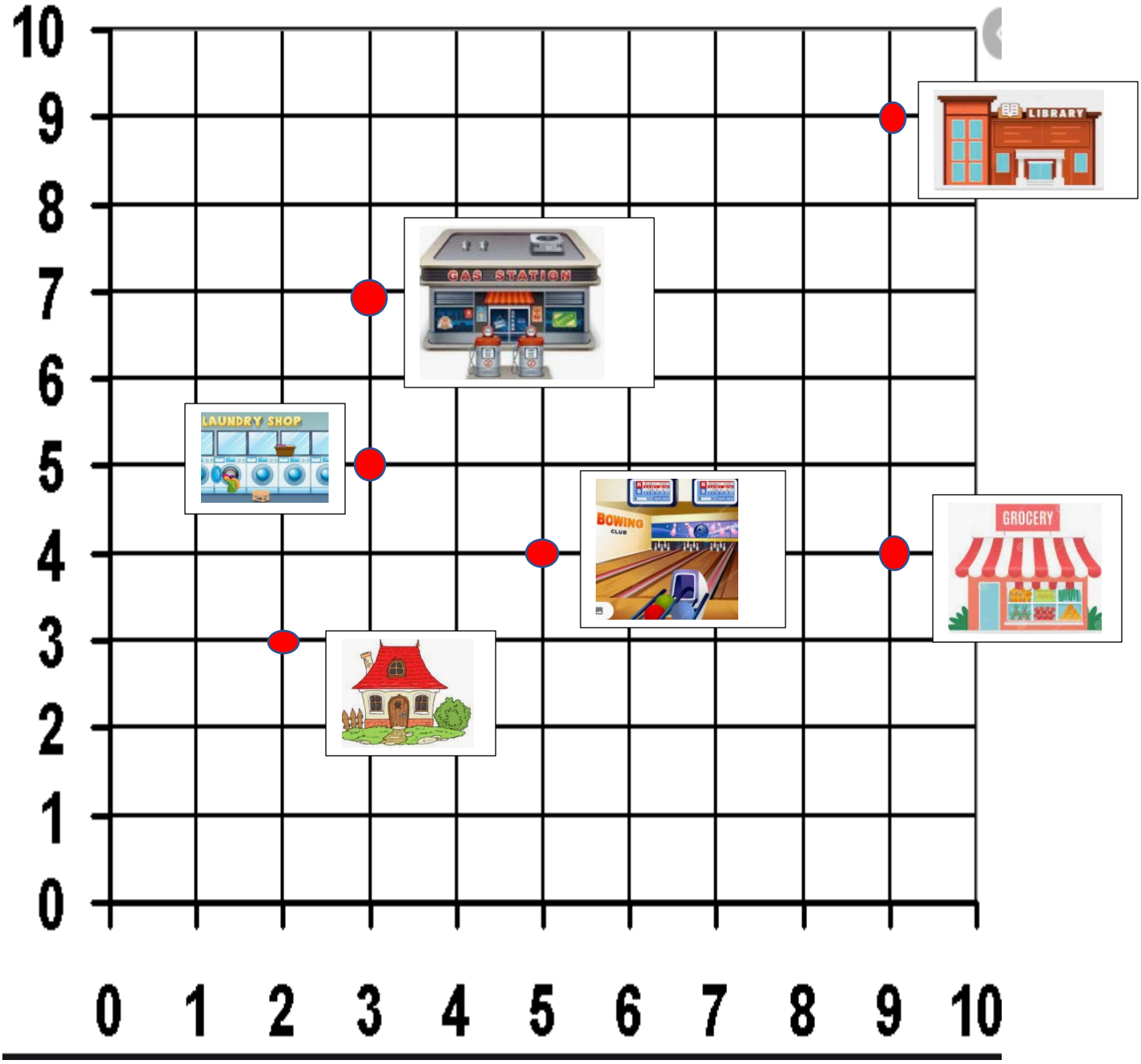
1. Leroy ended up at the Library which is located below in the coordinate grid at (9,9). If he walked 3 miles south to the grocery store from the library, how many Km did he walk?
2. From the grocery store he walked west 6.4 Km to the bowling alley. How many miles did he walk?
3. From the bowling alley he walked 4.8 Km north and 3.2 Km west to the gas station. How many miles did he walk?
4. From the gas station he walked 3.2 Km south to the laundry mat. How many miles did he walk?
5. From the laundry mat he walked 2 miles south and 1 mile west to his home. "no conversions here"



Home is located at: _____

KEY

1. Leroy ended up at the Library which is located below in the coordinate grid at (9,9). If he walked 3 miles south to the grocery store from the library, how many Km did he walk? 4.8 Km which rounds to 5 Km
2. From the grocery store he walked west 6.4 Km to the bowling alley. How many miles did he walk? 4 miles
3. From the bowling alley he walked 4.8 Km north and 3.2 Km west to the gas station. How many miles did he walk? 5 miles
4. From the gas station he walked 3.2 Km south to the laundry mat. How many miles did he walk? 2 miles
5. From the laundry mat he walked 2 miles south and 1 mile west to his home. “no conversions here”


10
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0 1 2 3 4 5 6 7 8 9 10
LIBRARY
GAS STATION
LAUNDRY SHOP
BOWING
CLUB
GROCERY

Home is at (2,3)

Find your way home through conversions

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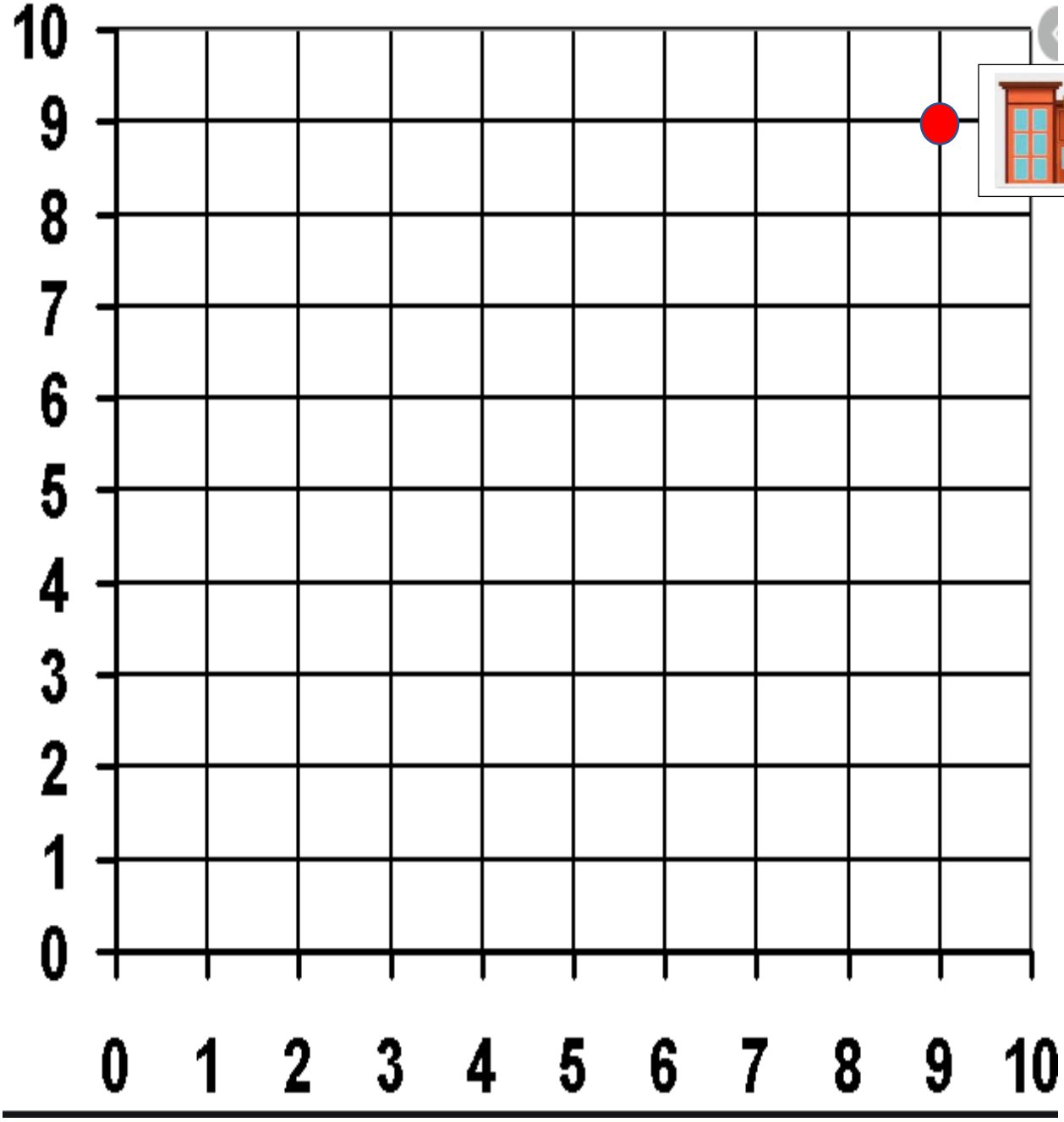

Home is located at: _____

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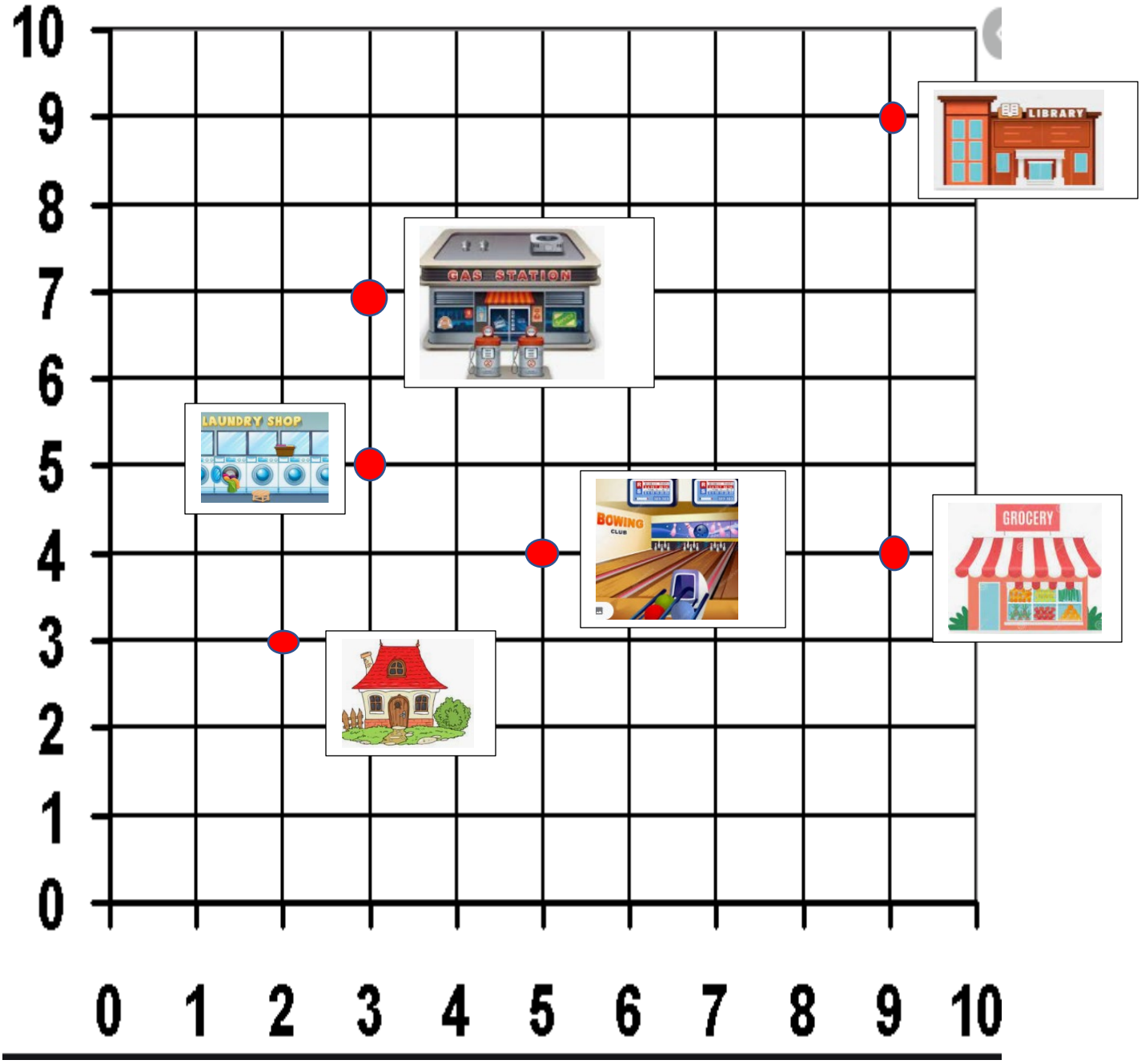
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LIBRARY
GAS STATION
LAUNDRY SHOP
BOWING
CLUB
GROCERY

Home is at (2,3)