

# THE TRUE STORY OF THE **3 LITTLE PIGS!**

## **The Daily Pig**

**Grade Level:** 5th

**Subject:** Math

**Florida Standards:** MA.5.GR.4.2, MA.5.FR.2.1

**Duration:** 40-50 minute class period

**Activity:** Students will plot points on a coordinate grid .

**Objectives:** Students will read, plot points, and find the distances between the points on a map of Pig Town.

**Description:** Students will use the ordered pairs on a coordinate grid to determine how far the wolf traveled between his house and the three pigs' houses. They will then compare that distance to the distance between the wolf's house and the grocery store.

**Materials:**

- Pencil
- The Daily Pig worksheet

**Procedures:**

1. Pass out the worksheets.
2. Read the scenario with the students and read the directions.
3. Review the ordered pairs of the wolf's house and the point on the coordinate grid to look at the order of the numbers (x,y).
  - a) Ask students to label the x-axis (horizontal) and the y-axis (vertical) and ask them in what order they are labeled in the ordered pair: x first then y or (x,y).
4. Have the students complete the tables and answer the questions.
  - a) Make sure students understand to have common denominators when adding and subtracting fractions.

**Assessment:** Assess students on completion of the worksheet

# The Daily Pig

## Investigative Reporter's Story Notes

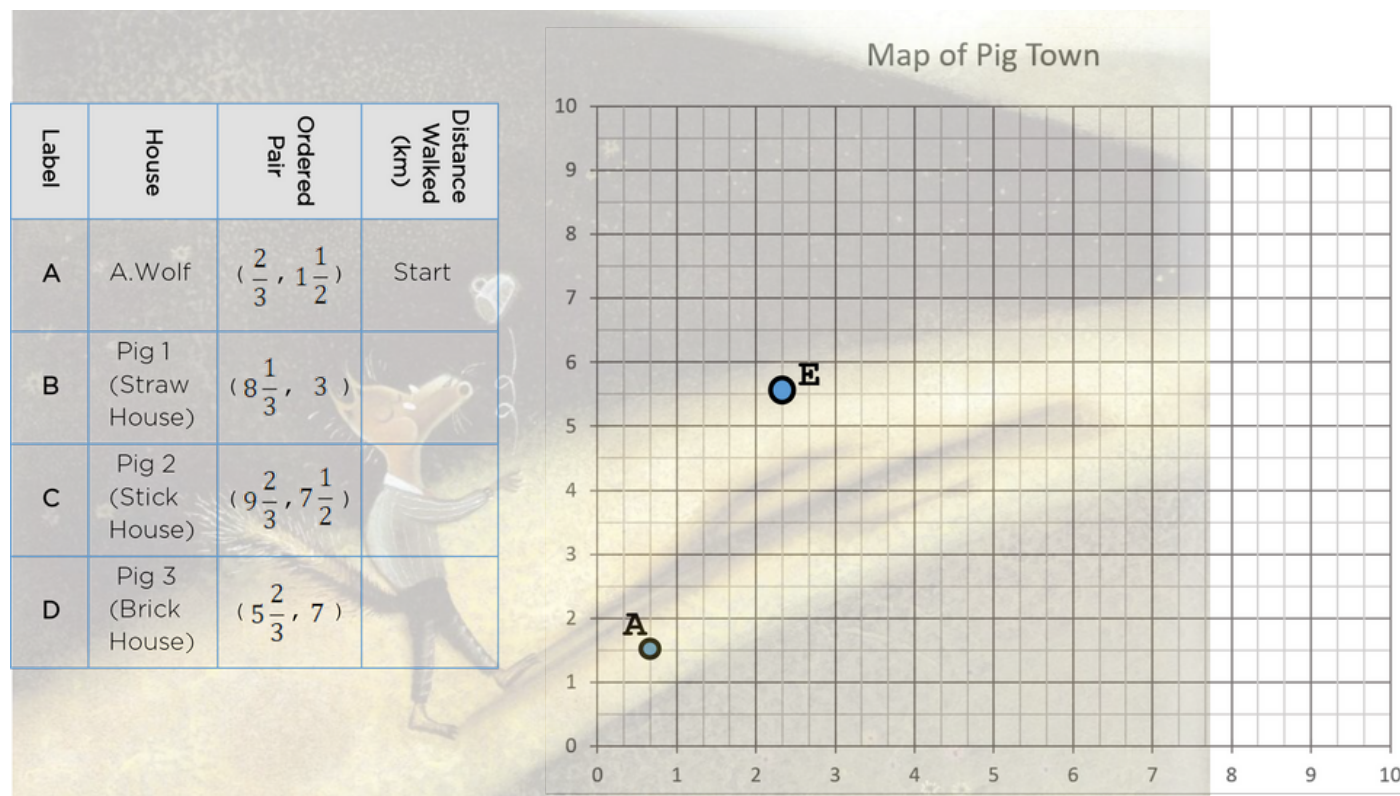
### HEADLINE

#### A. Wolf: Pork Poacher

We are creating a map of the path that Alexander T. Wolf took on the day he devastated a local pig family. Did he pretend to be out of sugar to lure his way to the pigs' houses? Yes! This map will prove it! We need your help to figure out how far he walked from his house to the three little pigs' houses. You will then compare how far Alexander's house was to the grocery store where they SELL SUGAR!

**DIRECTIONS:** Use the ordered pairs to place the houses on the map. Then, in the table, determine how far he walked from his house along his path. The starting point for Alexander house is given.

1. For the pigs' houses, put the letter (Label) at the coordinates on the map as given by the ordered pair.
2. Then find the distance the wolf walked by figuring out how far he walked in the X-direction (left to right) then add the distance he walked in the Y-direction (up and down). Put that in the Distance Walked column. For the distance walked to each house, find the distance the wolf walked from the previous house.



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What are the coordinates of the grocery store on the map? \_\_\_\_\_

2. How far away is Alexander T. Wolf's house from the grocery store? \_\_\_\_\_

\_\_\_\_\_

3. Which is greater; the distance to the first pig's house or the grocery store?

\_\_\_\_\_

4. Based on the distance to the grocery store and the distance to the pigs' houses, do you think that Alexander T. Wolf wanted to eat the pigs or did he really just need some sugar? Use the data from the table to support your answer.

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## Answer Key

# The Daily Pig

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### HEADLINE

#### A. Wolf: Pork Poacher

Label	House	Ordered Pair	Distance Walked (km)
A	A. Wolf	$(\frac{2}{3}, 1\frac{1}{2})$	Start
B	Pig 1 (Straw House)	$(8\frac{1}{3}, 3)$	$8\frac{1}{6}$
C	Pig 2 (Stick House)	$(9\frac{2}{3}, 7\frac{1}{2})$	$5\frac{4}{6}$
D	Pig 3 (Brick House)	$(5\frac{1}{3}, 7)$	$4\frac{4}{6}$

Map of Pig Town

