

Maya Charts Every Animal She Rescues

Grade 5

Math

Nonfiction

Animal rescue Theme

~184 words

CCSS.MATH.5.MD.B.2

Name: _____ Date: _____

 **READ — READ THIS PASSAGE CAREFULLY. YOU MAY READ IT TWICE.**

Maya volunteers every Saturday at Paws and Claws Animal Rescue Center. During her first week, she noticed that the staff struggled to track which animals arrived most often. Maya decided to collect data by tallying each animal brought in each day. She recorded dogs, cats, rabbits, and birds in a simple notebook. By Friday, she had filled three pages with tally marks. Maya transferred her tally counts into a line plot. A line plot shows data values marked above a number line. Each X she placed represented one animal. Maya could quickly see that dogs arrived most frequently during the week. She counted seven dogs compared to only two rabbits. Maya also noticed something important about the **frequency** of cat arrivals. Frequency means how often something happens within a set period. Cats arrived four times, placing them second on her line plot. This number helped the shelter order the right amount of food and supplies. By the end of Saturday, Maya understood that organizing data into a line plot made patterns easy to spot. Tracking animal arrivals helped the rescue center prepare better for every new visitor.

 *Tip: Read the passage twice before turning to the questions on the next page.*

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Questions

 **ANSWER** USE THE PASSAGE ON PAGE 1 TO HELP FIND YOUR ANSWERS.

MAIN IDEA

1. What is this passage mostly about?

TEXT EVIDENCE

2. According to the passage, how did Maya first begin collecting her data?

VOCABULARY

3. What does the word frequency mean as it is used in this passage?

INFERENCE

4. Why was it helpful for the shelter to know which animals arrived most often?

CAUSE AND EFFECT

5. What happened because Maya organized her tally counts into a line plot?

TEXT EVIDENCE

6. How does the passage explain what a line plot is?

✓ ANSWER KEY — Maya Charts Every Animal She Rescues

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TEACHER / PARENT USE ONLY — Suggested answers shown below each question

Maya volunteers every Saturday at Paws and Claws Animal Rescue Center. During her first week, she noticed that the staff struggled to track which animals arrived most often. Maya decided to collect data by tallying each animal brought in each day. She recorded dogs, cats, rabbits, and birds in a simple notebook. By Friday, she had filled three pages with tally marks. Maya transferred her tally counts into a line plot. A line plot shows data values marked above a number line. Each X she placed represented one animal. Maya could quickly see that dogs arrived most frequently during the week. She counted seven dogs compared to only two rabbits. Maya also noticed something important about the **frequency** of cat arrivals. Frequency means how often something happens within a set period. Cats arrived four times, placing them second on her line plot. This number helped the shelter order the right amount of food and supplies. By the end of Saturday, Maya understood that organizing data into a line plot made patterns easy to spot. Tracking animal arrivals helped the rescue center prepare better

MAIN IDEA

1. What is this passage mostly about?

This passage is mostly about how Maya used tally marks and a line plot to track and understand animal arrivals at an animal rescue center.

TEXT EVIDENCE

2. According to the passage, how did Maya first begin collecting her data?

The passage states that Maya began by "tallying each animal brought in each day" and recorded them in a simple notebook.

VOCABULARY

3. What does the word frequency mean as it is used in this passage?

In this passage, frequency means how often something happens within a set period of time, such as how many times cats arrived at the shelter during the week.

INFERENCE

4. Why was it helpful for the shelter to know which animals arrived most often?

The shelter could use that information to plan ahead and order enough food and supplies for each type of animal, which means knowing arrival patterns helped them spend their resources wisely.

CAUSE AND EFFECT

5. What happened because Maya organized her tally counts into a line plot?

Because Maya organized her data into a line plot, she could quickly see patterns, such as the fact that dogs arrived most frequently with seven total compared to only two rabbits.

TEXT EVIDENCE

6. How does the passage explain what a line plot is?

The passage explains that "a line plot shows data values marked above a number line" and that each X Maya placed represented one animal.