Name **Answer Key** /43

CC.5.MD.1 Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.

1. Geraldo's sister weighed 7 pounds, 6 ounces when she was born. How many total ounces did Geraldo's sister weigh when she was born?

- **A** 7 ounces
- **B** 96 ounces
- **C** 103 ounces
- **(D)** 118 ounces

2. Eva needs 28 feet of fabric to make pillowcases for her bed. If fabric is sold by the yard, how many yards of fabric does Eva need to buy? How much fabric will Eva have left over?

- **A** 10 yards; 1 foot left over
- **(B)** 10 yards; 2 feet left over
- **C** 9 yards; 1 foot left over
- **D** 9 yards; 2 feet left over

3. Channing lives 4 miles, 155 feet away from her cousin, Mackinley. How many feet away does Channing live from Mackinley?

21,275 feet

4. Sandra's scarf is 6 feet long. How many yards long is Sandra's scarf?

- **A** 1 yard
- **(B)** 2 yards
- **C** 3 yards
- **D** 18 yards

5. Joseph's new puppy is 44 centimeters long. How long is his puppy in millimeters?

- **A** 4.4 millimeters
- **B** 54 millimeters
- **(C)** 440 millimeters
- **D** 4,400 millimeters

6. Lemonade is sold in 2 L bottles. How many milliliters are in a 2 L bottle of lemonade?

2,000 milliliters

Name _____

7. Jesse's mother needs 24 feet of fabric to make curtains for all of her windows. The fabric is sold by the yard. How many yards of fabric does Jesse's mother need to buy?

   A   3 yards

   B   8 yards

   C   12 yards

   D   15 yards

8. Evelyn bought 2 pounds, 9 ounces of chicken at the grocery store. How many ounces of chicken did she buy?

   A   64 ounces

   B   48 ounces

   C 41 ounces

   D   32 ounces

9. Roger is sending his friend a present for his birthday. At the store, a package under 3 pounds ships for $5. How many ounces are there in 3 pounds? If Roger's present is 41 ounces, can he ship it for $5?

   48 oz. in 3 lbs.

   Yes, he can ship it for $5 because 41 < 48.

10. Ayden travels from Orlando to Tampa to see his grandparents. If the trip is 897,600 feet round trip, how many miles does Ayden travel one way?

    A 85 miles

    ~~B~~ 170 miles

    C 255 miles

    D 340 miles

11. Jason bought 4.5 kilograms of cream cheese. How many grams of cream cheese did Jason buy?

    A   16 grams

    B   45 grams

    C   450 grams

    D 4,500 grams

12. Heather is 5 feet, 3 inches tall. How many inches tall is Heather?

    63 inches tall

Review Packet #3 - pg 2.

Name _____

CC.5.MD.2 Make a line plot to display a data set of measurements in fractions of a unit $\left(\frac{1}{2}, \frac{1}{4}, \frac{1}{8}\right)$. Use operations on fractions for this grade to solve problems involving information presented in line plots.

**1.** This line plot shows how many hours of homework twelve students have.

Hours of Homework
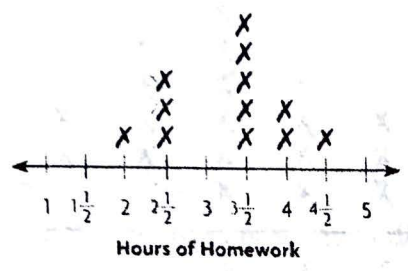
What is the difference, in hours, between the student with the **most** homework and the student with the **least** homework?

A $2\frac{1}{2}$ hours *(circled)*
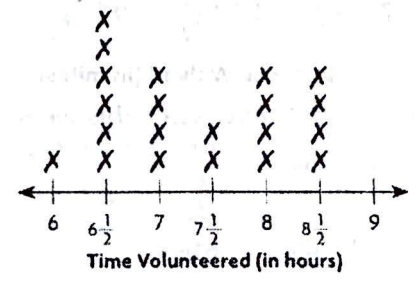
B 2 hours

C $1\frac{1}{2}$ hours

D 1 hour

2. The line plot shows the distances some students jumped during a Field Day competition.

What fraction of the students jumped

Distance Jumped (in feet)
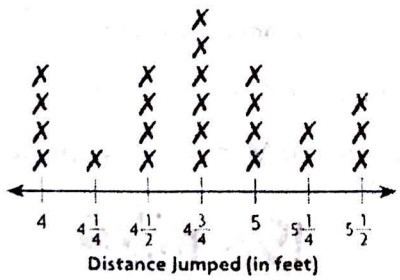
$5\frac{1}{2}$ feet?

$\frac{3}{24} = \boxed{\frac{1}{8}}$

3. The line plot shows the numbers of hours volunteers worked at the food pantry.

Time Volunteered (in hours)

How much longer did the volunteer with the most hours work than the volunteer with the fewest hours?

A $1\frac{1}{2}$ hours

B 2 hours

C $2\frac{1}{2}$ hours *(circled)*

D 3 hours

Weight of Watermelons (in pounds)

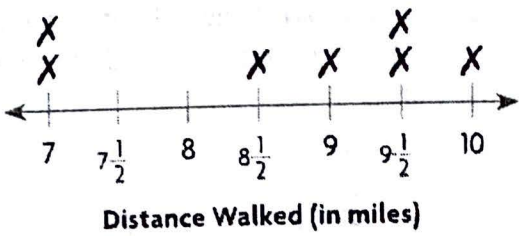**4.** This line plot shows the weights of some of a farmer's watermelons.
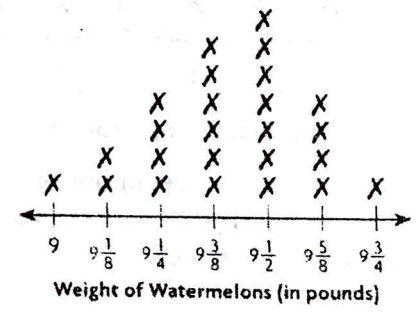
What fraction of the farmer's watermelons weigh **more than** $9\frac{1}{2}$ pounds?
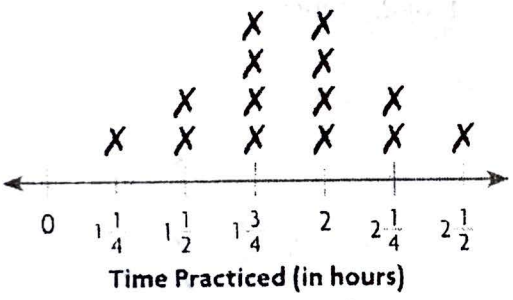
$\frac{5}{25} = \boxed{\frac{1}{5}}$

Review Packet # 3 - pg. 3

5. This line plot shows how many miles Maya walked this week.

Distance Walked (in miles)

How far did Maya walk this week in all?

A 7 miles

B 33 miles

C 44 miles

D $60\frac{1}{2}$ miles

6. This line plot shows how many hours Ella practiced her flute this month.

Time Practiced (in hours)

What is the difference, in hours, between the **longest** practice and the **shortest** practice?

A $2\frac{1}{2}$ hours
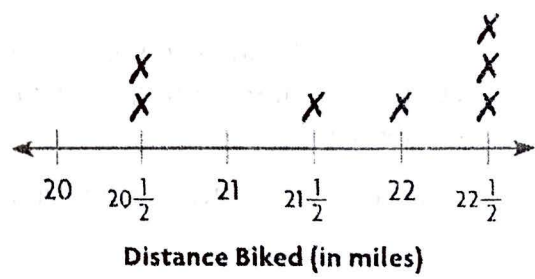
B 2 hours

C $1\frac{1}{4}$ hours

D 1 hour

7. Nelson's fifth grade class is recording the number of books read this month. This line graph shows the number of books the students read.

Number of Books Read
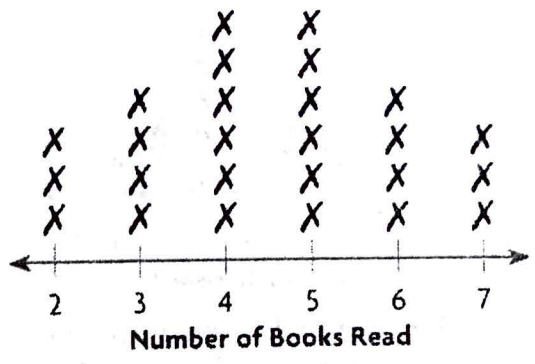
How many books in all did the students read?

A 117 books

B 83 books

C 49 books

D 26 books

8. This line plot shows how many miles

Distance Biked (in miles)

Monique rode her bike this week.

How far did Monique bike this week in all?

152 miles

Review Packet #3 - pg. 4

Solve each problem. Write your answer as a mixed number (if possible).

1) Robin needed $3\frac{2}{3}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?

$$3\frac{2}{3} \times 2 = \boxed{7\frac{1}{3}}$$

1. _____

2) A single box of thumb tacks weighed $3\frac{1}{2}$ ounces. If a teacher had $4\frac{1}{7}$ boxes, how much would their combined weight be?

$$3\frac{1}{2} \times 4\frac{1}{7} = \boxed{14\frac{1}{2}}$$

2. _____

3) Chloe collected 4 times as many bags of cans as her friend. If her friend collected $\frac{1}{6}$ of a bag, how much did Chloe collect?

$$\frac{1}{6} \times 4 = \boxed{\frac{2}{3}}$$

3. _____

4) At the malt shop a large chocolate shake takes $\frac{8}{9}$ of a pint of milk. If the medium shake takes $\frac{1}{7}$ the amount of a large, how much does the medium shake take?

$$\frac{8}{9} \times \frac{1}{7} = \boxed{8/63}$$

4. _____

5) A bottle of soda had $4\frac{2}{7}$ of the daily recommended sugar. If you were to drink $\frac{1}{2}$ of the bottle, how much of the daily recommend sugar would you have drank?

$$4\frac{2}{7} \div 2 = \boxed{2\frac{1}{7}}$$

5. _____

6) A soda shop owner told his employee to add 2 full cups and $\frac{1}{5}$ of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed?

$$2\frac{1}{5} \times 4 = \boxed{8\frac{4}{5}}$$

6. _____

7) Adam had a lump of silly putty that was $4\frac{5}{6}$ inches long. If he stretched it out to $2\frac{2}{3}$ times its current length how long would it be?

$$4\frac{5}{6} \times 2\frac{2}{3} = \boxed{12\frac{8}{9}}$$

7. _____

8) A musician's hair was originally 3 inches long. She asked her hair dresser to cut $\frac{5}{6}$ of it off. How many inches did she have cut off?

$$3 \times \frac{5}{6} = \cancel{2\frac{5}{6}} \quad \boxed{2\,1/2}$$

8. _____

9) After a party there was $\frac{1}{2}$ of a pizza leftover. If the George gave $\frac{1}{2}$ of the leftover to Olivia, what fraction of the pizza did he give to her?

$$\frac{1}{2} \div 2 = \boxed{\frac{1}{4}}$$

9. _____

10) A geologist had two rocks on a scale that weighed $2\frac{1}{2}$ lbs together. Rock A was $\frac{1}{7}$ of the total weight. How much did rock A weigh?

$$2\frac{1}{2} \times \frac{1}{7} = \boxed{\frac{5}{14}}$$

10. _____

11) A air freshener used $3\frac{3}{4}$ milliliters of perfume. If Wendy wanted to make 3 air freshners, how many milliliters of perfume would she use?

$$3\frac{3}{4} \times 3 = \boxed{11\frac{1}{4}}$$

11. _____

12) A batch of chicken required $3\frac{1}{3}$ cups of flour. If a fast food restaurant was making $4\frac{3}{7}$ batches, how much flour would they need?

$$3\frac{1}{3} \times 4\frac{3}{7} = \boxed{14\frac{16}{21}}$$

12. _____

9.1
Averaging Line Plots with Fractions

Cohen wants to earn some money so he can buy a cookie from Swig. To earn money, he will feed his dog, Mowgli, for 13 days straight. The amount he feeds him each night is listed below.
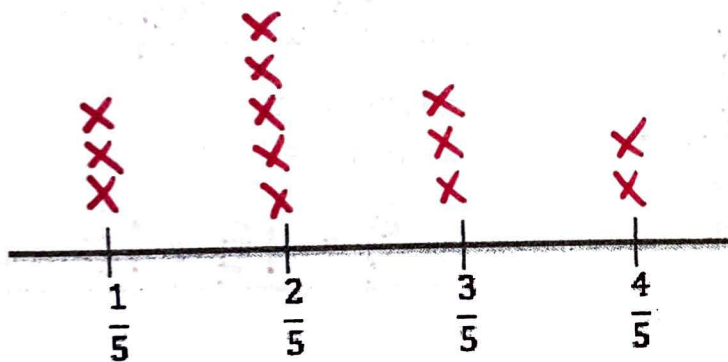
$\frac{2}{5}$ c. $\frac{2}{5}$ c. $\frac{4}{5}$ c $\frac{2}{5}$ c. $\frac{1}{5}$ c. $\frac{1}{5}$ c. $\frac{3}{5}$ c. $\frac{4}{5}$ c. $\frac{1}{5}$ c. $\frac{2}{5}$ c. $\frac{3}{5}$ c. $\frac{3}{5}$ c. $\frac{2}{5}$ c.

1. Use the data to create a line plot.

2. How much food combined was used in $\frac{1}{5}$ c. amounts?

$$\frac{3}{5} \ C.$$

3. How much food combined was used in $\frac{2}{5}$ c. amounts?

$$2 \ C.$$

4. What is the total amount of dog food used over the 13 days?

6 cups

5. What is the average amount of dog food given per day?

$6 \div 13 = \frac{6}{13}$ C.

Chef Boss Baby used different amounts of milk when making pancakes, depending on the number of pancakes ordered. The results are shown below.

$\frac{1}{2}$ c. $\frac{1}{4}$ c. $\frac{1}{2}$ c $\frac{3}{4}$ c. $\frac{1}{2}$ c. $\frac{3}{4}$ c. $\frac{1}{2}$ c. $\frac{1}{4}$ c. $\frac{1}{2}$ c. $\frac{1}{2}$ c.

1. Use the data to create a line plot.
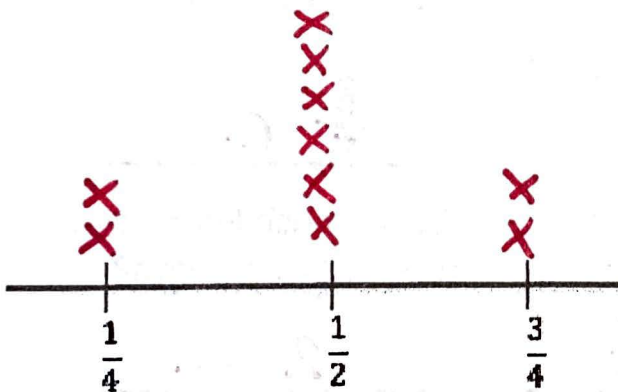
2. How much milk combined was used in $\frac{1}{4}$ c. amounts?

$$\frac{2}{4} = \frac{1}{2} \text{ cup}$$

3. How much milk combined was used in $\frac{1}{2}$ c. amounts?

$$\frac{6}{2} = 3 \text{ cups}$$

4. How much milk combined was used in the $\frac{3}{4}$ c. amounts?

$$\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2} \text{ cups}$$

5. How much milk was used altogether?

5 cups

6. What is the average amount of milk used in an order of pancakes?

$$\frac{5}{10} = \frac{1}{2} \text{ cup}$$

Review Packet #3 - pg. 7