Name _____   Date _____ Time _____
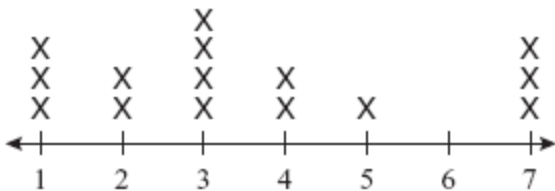
Part A.

Define the following words:

1. Maximum _____

2. Minimum _____

3. Median _____

4. Mode _____

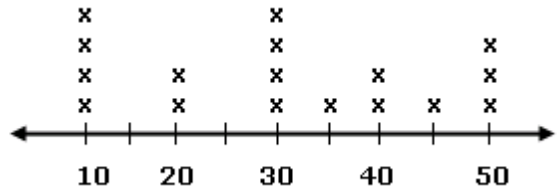5. Larry surveyed the boys in his class. He asked the following three questions:

        A. How many pages are in the book you are reading?

        B. About how many minutes per day do you read after school?

        C. About how many books did you read during the first quarter of school?

The graphs below show the answers to two of the questions. Math the questions with their graphs.

(Mark A, B or C under each graph.)

```
        X                                 x           x
X       X       X                         x           x                   x
X   X   X   X                             x       x   x       x           x
X   X   X   X       X           X         x       x   x   x   x   x   x   x
+--+---+---+---+---+---+--|>                +--+--+--+--+--+--+--+--+--+-->
1   2   3   4   5   6   7                  10      20      30      40      50
```

_____   _____

Below is the data Larry collected for the question: How many books do you own?

Create a Line Plot and organize the data Larry collected. Include a title and title the X axis as well.

25	12	25	25	26	16	17	
15	20	26	18	10	10	11	26

Use the data from the Line Plot you created with Larry's data and find the following landmarks:

1. Maximum: _____

2. Minimum: _____

3. Mode: _____

4. Range: _____

Larry concluded that most kids own at least 10 books. Do you agree with his conclusion? _____

Why or why not? _____

What could Larry do to improve his survey? _____

_____

1.) $\frac{4}{7} + \frac{3}{7} =$ _____

2.) $\frac{1}{4} + 1 =$ _____

3.) $\frac{5}{5} - \frac{3}{4} =$ _____

4.) $\frac{9}{10} - \frac{2}{5} =$ _____
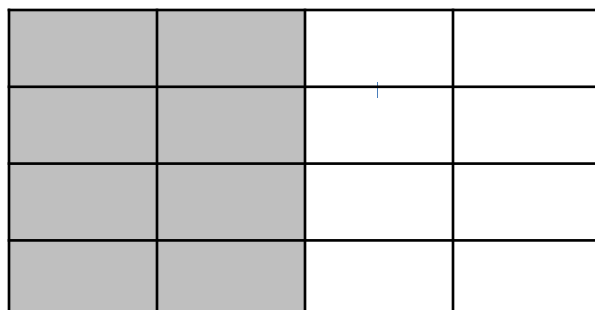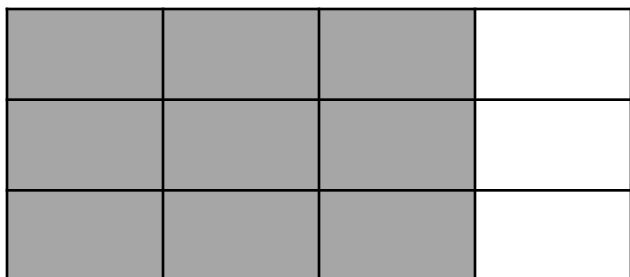
5.) $\frac{4}{6} - \frac{1}{3} =$ _____

6.) $\frac{2}{3} + \frac{1}{2} =$ _____

7.) $\frac{4}{6} - \frac{1}{8} =$ _____

8.) $\frac{3}{9} + \frac{2}{9} =$ _____

9.) $\frac{3}{4} - \frac{1}{2} =$ _____

10.) What pair of fractions is represented by the picture below? _____

Part B.

11.) Mary collected money each day for a charity. Each day, she recorded the amount she collected. Organize her data by making a Stem and Leaf Plot.

| $12 | $45 | $15 | $13 | $40 | $100 | $102 |

| $27 | $25 | $45 | $26 | $10 | $109 | $150 |

Find the following landmarks for the money collected.

12.) Maximum: _____

13.) Minimum: _____

14.) Mode: _____

15.) Mean: _____

16.) Use your ruler to draw a line segment that is $3\frac{5}{8}$ in. long.

17.) If you erased $\frac{1}{4}$ in. of this line segment, how long would it be? _____

18.) If you drew a line segment that was double the length? How long would it be? _____

19.) Use your ruler to draw a line segment that is $3\frac{3}{4}$ in. long.

20.) A survey was taken asking people about their favorite smoothie. Below are the results in percentages.

Banana & Strawberry – 35%   Avocado & Blueberries – 28%   Almond Milk & Melon – 13%

Raspberries & Spinach– 24%

a.) If 100 people were asked, how many of them chose Banana & Strawberry? _____

b.) If 10 people were asked, how many of them chose Almond Milk & Melon? _____

c.) If 50 people were asked, how many of them chose Raspberries & Spinach? _____

21.) How would you use the multiplication rule to find common denominators for the fraction pair, $\frac{5}{8}$ and $\frac{3}{6}$?
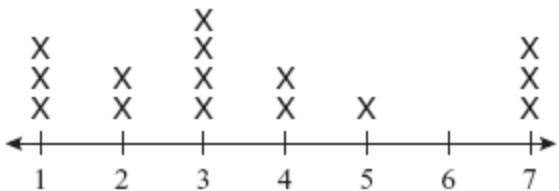
_____

_____

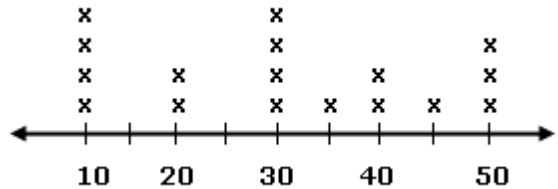**Everyday Math, Grade 5**
Chapter 6 Review

Part A.

Define the following words:

1. Maximum **The most amount**

2. Minimum **The least amount**

3. Median **The middle number found when data is recorded from least to greatest**

4. Mode **The most frequent amount of data collected**

5. Larry surveyed the boys in his class. He asked the following three questions:

        A. How many pages are in the book you are reading?

        B. About how many minutes per day do you read after school?

        C. About how many books did you read during the first quarter of school?

The graphs below show the answers to two of the questions. Math the questions with their graphs.
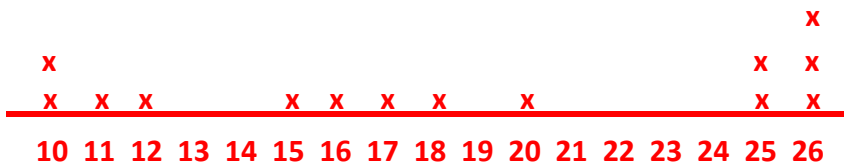
(Mark A, B or C under each graph.)

C

B

Below is the data Larry collected for the question: How many books do you own?

Create a Line Plot and organize the data Larry collected. Include a title and title the X axis as well.

25	12	25	25	26	16	17
15	20	26	18	10	10	11 26

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Use the data from the Line Plot you created with Larry's data and find the following landmarks:

1. Maximum: **26**

2. Minimum: **10**

3. Mode: **26**

4. Range: **16**

Larry concluded that most kids own at least 10 books. Do you agree with his conclusion? **No**

Why or why not? **He would need to ask ALL kids in his school, not just the boys.**

What could Larry do to improve his survey? **He could ask boys and girls in every grade.**

1.) $\frac{4}{7} + \frac{3}{7} = \frac{7}{7}$ **or 1**

2.) $\frac{1}{4} + 1 = 1\frac{1}{4}$

3.) $\frac{5}{5} - \frac{3}{4} = \frac{1}{4}$

4.) $\frac{9}{10} - \frac{2}{5} = \frac{5}{10}$ **or $\frac{1}{2}$**

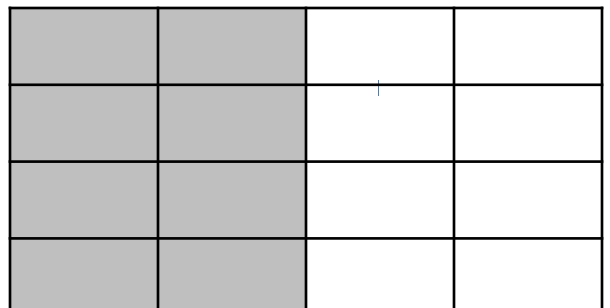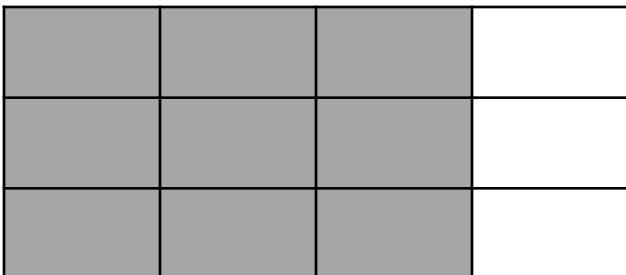5.) $\frac{4}{6} - \frac{1}{3} = \frac{2}{6}$ **or $\frac{1}{3}$**

6.) $\frac{2}{3} + \frac{1}{2} = \frac{1}{6}$

7.) $\frac{4}{6} - \frac{1}{8} = \frac{13}{24}$

8.) $\frac{3}{9} + \frac{2}{9} = \frac{5}{9}$

9.) $\frac{3}{4} - \frac{1}{2} = \frac{1}{4}$

10.) What pair of fractions is represented by the picture below? $\frac{3}{4}$ **and** $\frac{1}{2}$
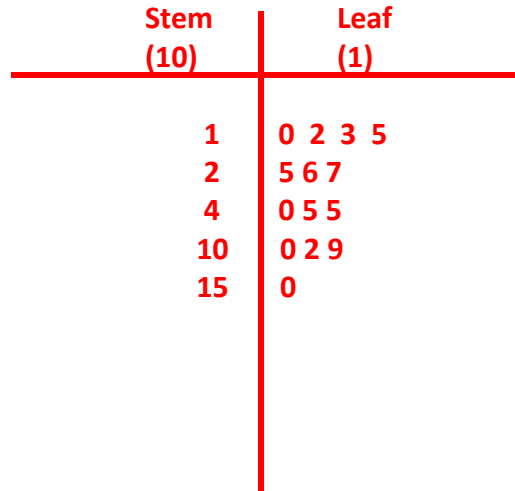
Part B.

11.) Mary collected money each day for a charity. Each day, she recorded the amount she collected. Organize her data by making a Stem and Leaf Plot.

$12	$45	$15	$13	$40	$100	$102

$27	$25	$45	$26	$10	$109	$150

Stem (10)	Leaf (1)
1	0 2 3 5
2	5 6 7
4	0 5 5
10	0 2 9
15	0

Find the following landmarks for the money collected.

12.) Maximum: **$150**

13.) Minimum: **$10**

14.) Mode: **$45**

15.) Mean: **$164**

16.) Use your ruler to draw a line segment that is $3\frac{5}{8}$ in. long.

17.) If you erased $\frac{1}{4}$ in. of this line segment, how long would it be? **$3\frac{3}{8}$ in.**

18.) If you drew a line segment that was double the length? How long would it be? **$7\frac{1}{4}$ in.**

19.) Use your ruler to draw a line segment that is $3\frac{3}{4}$ in. long.

20.) A survey was taken asking people about their favorite smoothie. Below are the results in percentages.

Banana & Strawberry – 35%   Avocado & Blueberries – 28%   Almond Milk & Melon – 13%

Raspberries & Spinach– 24%

a.) If 100 people were asked, how many of them chose Banana & Strawberry? **35 people**

b.) If 10 people were asked, how many of them chose Almond Milk & Melon? **About 1 person (round 1.3 to 1)**

c.) If 50 people were asked, how many of them chose Raspberries & Spinach? **12 people**

21.) How would you use the multiplication rule to find common denominators for the fraction pair, $\frac{5}{8}$ and $\frac{3}{6}$?

You could find the common multiple of both numbers.