

**BRIDGEPORT PUBLIC SCHOOLS
MATHEMATICS DEPARTMENT**

**SUPPLEMENTARY
LESSON PACKET**

(REVISED SUMMER 2010)

**GRADE 5
MARKING PERIOD 2**

PERFORMANCE STANDARDS
GRADE 5
MARKING PERIOD 2

CMT 4B	Order mixed numbers, fractions and decimals.
CMT 15A	Estimating lengths and areas.
CMT 16B	Measure and determine perimeters and areas.
CMT 16C	Identify appropriate customary or metric units of measure (length, capacity and mass) for a given situation.
CMT 16D	Solve problems involving conversions of measures and lengths.
CMT 24A	Solve logic, counting, and classification problems involving the organization of data.
CMT 25A	Solve extended numerical, statistical and spatial problems.

Put In Order

Put each set of fractions and decimals in order from smallest to largest. Explain your reasoning.

Fractions:

$\frac{1}{2}$ $\frac{3}{8}$ $\frac{7}{16}$

$\frac{5}{16}$ $\frac{5}{8}$ $\frac{5}{4}$

Explain your reasoning: _____

Decimals:

0.93 0.7 0.65

0.49 0.78 0.87

Explain your reasoning: _____

Name: _____ Date: _____

Name _____ Date _____



Record your answers on the Recording Sheet.

1. Inside the box on the Recording Sheet, use your ruler to draw a line that is $4\frac{1}{2}$ inches long.

2. Inside the box on the Recording Sheet, use your ruler to draw a line that is 6 inches long.

3. Use your ruler to draw a line that is $2\frac{1}{2}$ inches long in the space given.

4. Use your ruler to draw a line that is 1.5 inches long in the space given.

5. Use your ruler to draw a line that is 15 centimeters long in the space given.

6. Inside the box on the Recording Sheet, use your ruler to draw a line that is $10\frac{1}{2}$ cm long.

7. In the box on the Recording Sheet, use your ruler to draw a line that is 8.5 cm long.

8. Use your ruler to draw a line that is $4\frac{1}{2}$ cm long in the space given.

9. In the box on the Recording Sheet, use your ruler to draw a line that is 5 centimeters long.

Name _____ Date _____



RECORDING SHEET

1.

2.

3.

4.

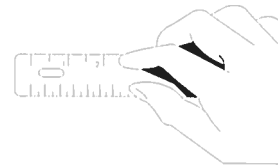
5.

6.

7.

8.

9.



Name _____ Date _____

1. Use your ruler to measure the length of the line segment below to the nearest half-centimeter.



- a $4\frac{1}{2}$ cm
- b 5 cm
- c $5\frac{1}{2}$ cm
- d 6 cm

3. Use your ruler to measure the length of the line segment below to the nearest half-centimeter.



- a 6.0 cm
- b 6.5 cm
- c 7.0 cm
- d 7.5 cm

2. Use your ruler to measure the length of the line segment below to the nearest half-centimeter.

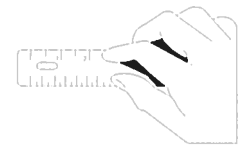


- f 4 cm
- g $4\frac{1}{2}$ cm
- h 5 cm
- j $5\frac{1}{2}$ cm

4. Use your ruler to measure the length of the line segment below to the nearest half-centimeter.



- f 2.0 cm
- g 2.5 cm
- h 3.5 cm
- j 4.5 cm



Name _____ Date _____

5. Use your ruler to measure the length of the line segment below to the nearest half-inch.



- a $5\frac{1}{2}$ in
- b 6 in
- c $6\frac{1}{2}$ in
- d 7 in

6. Use your ruler to measure the length of the line segment below to the nearest half-inch.



- f 2 in
- g $2\frac{1}{2}$ in
- h 3 in
- j $3\frac{1}{2}$ in

7. Use your ruler to measure the length of the line segment below to the nearest half-inch.

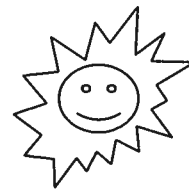


- a 2.0 inches
- b 3.0 inches
- c 2.5 inches
- d 3.5 inches

8. Use your ruler to measure the length of the line segment below to the nearest half-inch.

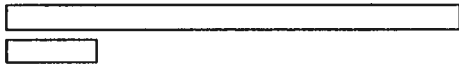


- f 0.5 inches
- g 1.5 inches
- h 2.0 inches
- j 2.5 inches



Grade 5 (4th Gen) – Obj. 15A Estimate lengths and areas
Name _____ Date _____

1. If the shorter rectangle is 1 foot long, ABOUT how many feet long is the larger rectangle?



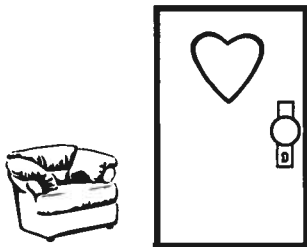
- a 2 ft
- b 5 ft
- c 10 ft
- d 25 ft

4. If the pencil is 6 inches long, ABOUT how long is the banner?



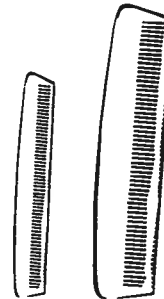
- f 22 in
- g 10 in
- h 30 in
- j 40 in

2. If the chair is 3 feet tall, how tall is the door?



- f 2 feet
- g 8 feet
- h 12 feet
- j 5 feet

5. Sara Beth looked at the combs on her dresser. She measured the longer comb and found it to be 8 inches long. ABOUT how long is the shorter comb?



- a 9 in
- b 4 in
- c 6 in
- d 2 in

3. If the spoon is 9 inches long, ABOUT how tall is the cup?

- a 8 in
- b 2 in
- c 5 in
- d 10 in



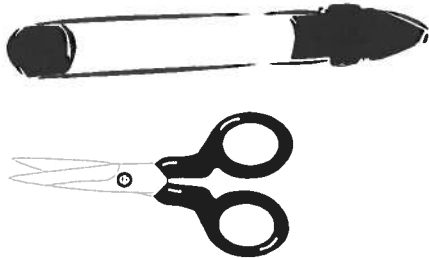


11. If the stapler is 2 centimeters long, ABOUT how long is the crayon?



- a 2 cm
- b 5 cm
- c 9 cm
- d 12 cm

12. Sue measured the marker and found it to be 12 centimeters. ABOUT how long is the pair of scissors?



- f 2 cm
- g 4 cm
- h 6 cm
- j 8 cm

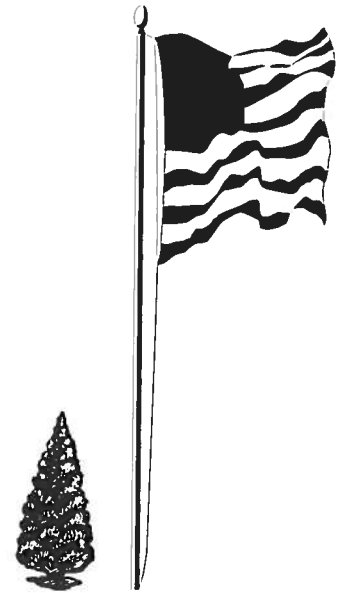
13. If the longer arrow is 20 centimeters, ABOUT how long is the shorter arrow?



- a 10 cm
- b 5 cm
- c 20 cm
- d 15 cm

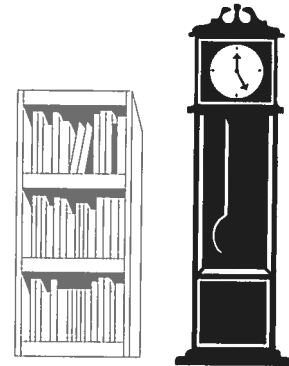
14. If the flagpole is 24 feet high, ABOUT how tall is the tree?

- f 2 feet
- g 8 feet
- h 10 feet
- j 18 feet



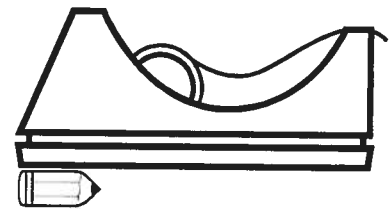
15. If the grandfather clock is 16 feet tall, ABOUT how tall is the bookcase?

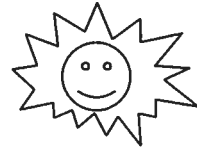
- a 8 ft
- b 5 ft
- c 12 ft
- d 20 ft



16. Allen measured the pencil and found it to be 2 inches. ABOUT how long is the tape dispenser?

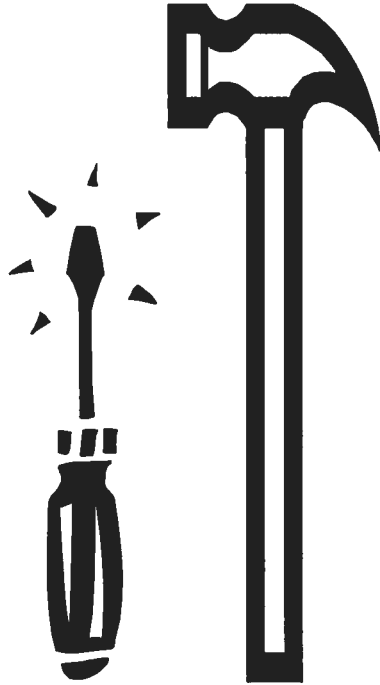
- f 4 in
- g 8 in
- h 12 in
- j 16 in





17. The hammer measures 30 cm in length.
ABOUT how long is the screw driver?

- f 5 cm
- g 10 cm
- h 20 cm
- j 30 cm



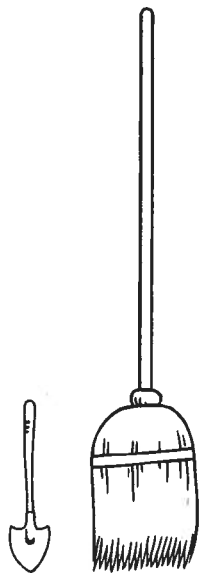
19. If the roll of scotch tape is 8 cm long,
ABOUT how long is the pencil?



- f 10 centimeters
- g 18 centimeters
- h 25 centimeters
- j 33 centimeters

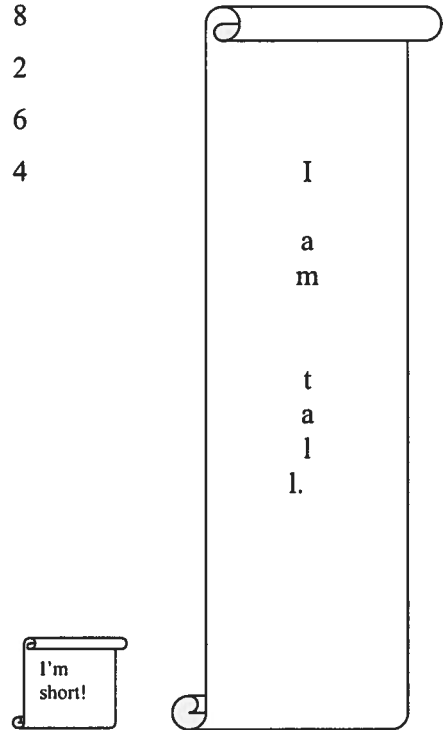
18. If the spade is 6 inches long,
ABOUT how long is the broom?

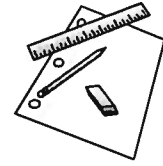
- a 15 in
- b 10 in
- c 20 in
- d 25 in



20. The tall banner is ABOUT how many
times as tall as the short banner?

- a 8
- b 2
- c 6
- d 4





Name _____ Date _____

1. Cynthia bought 72 inches of ribbon. How many yards is that?

- a 1 yd
- b 2 yd
- c 3 yd
- d 4 yd

5. Mrs. Della Bernarda painted a line on the playground that was 5 yards long. How many inches is that?

- a 220 in
- b 180 in
- c 150 in
- d 360 in

2. Annette bought 7 feet of material to make a tablecloth. How many inches did she buy?

- f 21 inches
- g 60 inches
- h 96 inches
- j 84 inches

6. Beth ran the 100-yard dash. How many feet did she run?

- f 125 ft
- g 150 ft
- h 200 ft
- j 300 ft

3. George put up a fence 8 yards long. How many feet long was the fence?

- a 24 feet
- b 96 feet
- c 18 feet
- d 3 feet

7. If Max shoveled the 75 foot sidewalk in front of his house, how many yards did he shovel?

- a 10 yd
- b 15 yd
- c 25 yd
- d 30 yd

4. Ron ran the 50-yard dash. How many feet did he run?

- f 100 ft
- g 125 ft
- h 150 ft
- j 200 ft

8. Seth put a 72 inch high fence around his garden. How many feet high is that?

- f 6 ft
- g 7 ft
- h 8 ft
- j 9 ft

9. It is 8000 meters from Mr. Maynard's farm to Springdale. How many kilometers is that?

- a 80 km
- b 800 km
- c 8 km
- d 0.8 km

13. Jonah can reach 2 meters high. How many centimeters is that?

- a 200 cm
- b 2.0 cm
- c 2000 cm
- d 20 cm

10. The side of the table is 136 centimeters long. How many meters is that?

- f 1.36 meters
- g 13.6 meters
- h 1360 meters
- j 0,136 meters

14. Eric threw a ball 2300 centimeters. How many meters did he throw the ball?

- f 2.3 m
- g 23 m
- h 0.23 m
- j 230 m

11. We walked 3000 meters in the mall. How many kilometers did we walk?

- a 0.3 kilometers
- b 300 kilometers
- d 30 kilometers
- d 3 kilometers

15. How many cm are in 18 meters?

- a 1.8 centimeters
- b 18 centimeters
- c 180 centimeters
- d 1800 centimeters

12. Holley can take one giant step of 65 centimeters. How many meters is that?

- f .065 meters
- g 6.5 meters
- h 0.65 meters
- h 650 meters

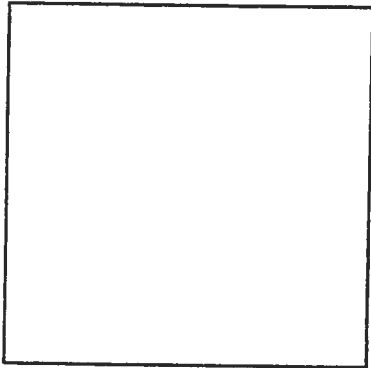
16. The nearest playground to Timothy's house is 9000 meters. How many kilometers is that?

- f 0.9 km
- g 9 km
- h 900 km
- j 90 km

NAME: _____

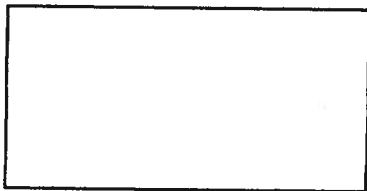
DATE: _____

1. Use your ruler to measure the lengths of the sides of this shape in inches. Label the length of each side. What is the PERIMETER, in inches, of this shape?



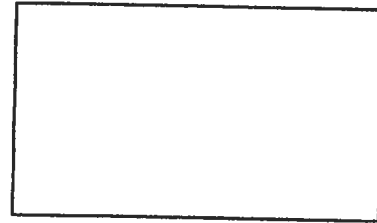
PERIMETER: _____

2. Use your ruler to measure the lengths of the sides of this shape in centimeters. Label the length of each side. What is the AREA, in square centimeters, of this shape?



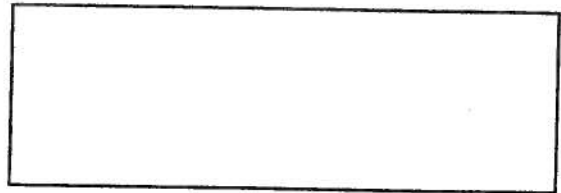
AREA: _____

3. Use your ruler to measure the lengths of the sides of this shape in centimeters. Label the length of each side. What is the PERIMETER, in centimeters of this shape?



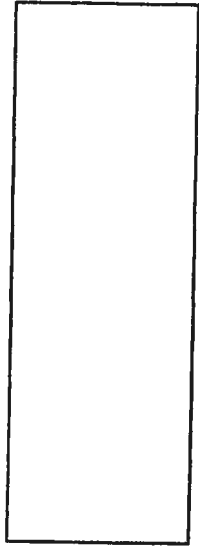
PERIMETER: _____

4. Use your ruler to measure the lengths of the sides of this shape in inches. Label the length of each side. What is the PERIMETER, in inches, of this shape?



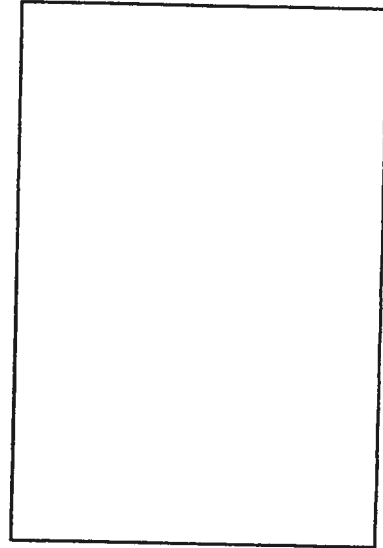
AREA: _____

5. Use your ruler to measure the lengths of the sides of this shape in inches. Label the length of each side. What is the AREA, in square inches, of this shape?



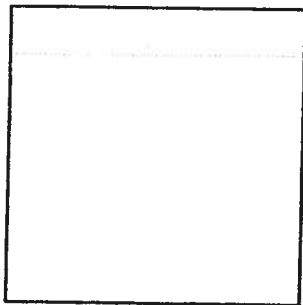
AREA: _____

7. Use your ruler to measure the lengths of the sides of this shape in inches. Label the length of each side. What is the PERIMETER, in inches, of this shape?



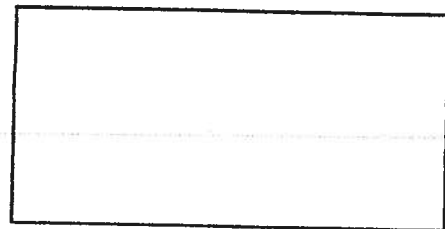
PERIMETER: _____

6. Use your ruler to measure the lengths of the sides of this shape in centimeters. Label the length of each side. What is the AREA, in square centimeters, of this shape?



AREA: _____

8. Use your ruler to measure the lengths of the sides of this shape in centimeters. Label the length of each side. What is the AREA, in centimeters, of this shape?



PERIMETER: _____

USE AFTER LESSON 11.5

Obj. 25A Solve extended statistical problems.

Name _____ Date _____

1. Mr. Allen was trying to make up a schedule for his students to follow. He was unsure how he would get everything done.

Facts and Data

- Lunch at 12:15
 - Assembly 1:00 to 1:50
- Math—60 minutes
Language—60 minutes
Science and Social Studies—a total of 90 minutes
Music—30 minutes
P.E.—30 minutes
Lunch—30 minutes
Recess—15 minutes

In the space below, complete a schedule for Mr. Allen's students.

Schedule

Time **Event**
School Starts

8:00 A.M.	_____
8:30 A.M.	_____
9:00 A.M.	_____
9:30 A.M.	_____
10:00 A.M.	_____
10:30 A.M.	_____
11:00 A.M.	_____
11:30 A.M.	_____
12:00 NOON	_____
12:30 P.M.	_____
1:00 PM.	_____
1:30 P.M.	_____
2:00 P.M.	_____
2:30 P.M.	_____
3:00 P.M.	_____

School ends

Obj. 25A Solve extended statistical problems.

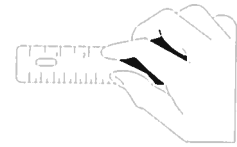
Name _____ Date _____

Manuel wanted to earn enough money to buy a second-hand car for himself. He created the following table to show the hours he was available to work each day.

Day	Hours Available To Work
Saturday	$6\frac{1}{2}$ hours
Sunday	$4\frac{1}{2}$ hours
Monday	$2\frac{1}{2}$ hour
Tuesday	2 hours
Wednesday	$2\frac{1}{2}$ hours
Thursday	$1\frac{1}{2}$ hours
Friday	3 hours

If Manuel earns \$6 per hour and can work only $18\frac{1}{2}$ hours each week, how long will it take him to earn the money necessary to purchase a used car that costs \$900?

In the space below, create a schedule that shows the $18\frac{1}{2}$ hours Manuel could work and how you arrived at your solution.



Name _____

Date _____

1. Allan, Ben, Carla, and Dixie had a dart contest.

- Ben scored more points than Dixie.
- Ben scored fewer points than Allan.
- Carla scored more points than Allan.

Who scored the most points?

- f Allan
- g Ben
- h Carla
- j Dixie

2. Liam had to solve this problem in math class.

- The first digit of a 3-digit number is less than the second digit
- The third digit of a 3-digit number is double the second digit.
- The third digit is 8.

What is the 3-digit number?

- a. 548
- b. 438
- c. 348
- d. 238

3. Evan has three cards with the numbers 3,6 and 7. He put them facedown.

- The numbers on cards A and C are odd numbers.
- The number on card B is greater than the number on card C.

Using the two clues above, which of the numbers can be found on card A

- a. 3 b. 4 c. 6 d. 7

4. Lei has three cards with the numbers 4,7 and 8. She puts them facedown.

- The numbers on cards A and B are even.
- The number on card B is less than the number on card C.

Using the two clues above, which of the numbers can be found on card A

- a. 3 b. 4 c. 6 d. 7

5. Annika writes a 3-digit number.

The third digit is twice the first digit.
The second digit is 3 more than the first digit.
The third digit is 8.

What 3-digit number does Annika write?

Answer: _____

6. Stacy, Jack, Ann, and Tim have different color hair.

- One has red hair;
- one has brown hair;
- one has blond hair; and
- one has black hair.
- One girl has brown hair.
- Ann has blond hair.
- Tim does not have red hair.

Who has black hair?

- a. Jack
- b. Ann
- c. Stacy
- d. Tim

Grade 5 CMT (4th Generation) – Objective 25: Solve extended numerical, statistical, & spatial problems.

Name _____ Date _____



The School Store

The school store sells pens, rulers, pads of paper, and protractors. The chart below shows the number of items in stock, the cost of the items, and the selling price of each item.

ITEMS	NUMBER IN STOCK	COST	SELLING PRICE
Pens	10	\$2	\$10
Rulers	10	\$3.50	\$6
Paper	15	\$5	\$8
Protractors	20	\$1.50	\$3

One day last week the school store made a profit (*the difference between the selling price and the cost of the materials*) of ABOUT \$100.

- Show how many of each item could have been sold that day.
- Show how you arrived at your solution.
- Show how you calculated the profit.