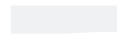


NAME: _____



Activity One



The Official Board of Weights and Measures is in charge of making units of measurement. As part of their work, they are creating a new unit of measurement for length, width, and height. And, congratulations....you have been selected to create this new measurement!

Working alone, or with a group, you are asked to do the following.

a) Name your measurement: _____

b) Tell what type of unit of measurement it is: (standard or metric):

c) Explain what your unit is equal to (for example, 1 cm = 10 mm):

d) Explain why people might want to use your unit of measurement:

e) Measure three objects in your classroom using your unit of measurement. List the objects and their measurement below.

Object 1: _____ Measurement _____

Object 2: _____ Measurement _____

Object 3: _____ Measurement _____

NAME: _____



Activity Two

a) There are seven days in one week. How many days are in two weeks?

b) A desk is the same length as ten paper clips. Its height is twice as long. How many paper clips will it take to reach that height?

c) What time would you read on a clock if it is noon?

d) An apple weighs 0.4 ounces (12 grams). Suppose you ate half of the apple. How much does the remaining half weigh?

e) Suppose you had to fill a bottle cap with water. What would you use to fill it without having too much water: a teaspoon or a gallon jug?

f) List three objects that are longer than a shoe.

NAME: _____



Activity Three

a) A shoe lace is 26 inches (65 cm) long. You cut it into two equal pieces. How long is each piece?

b) What unit of weight would you need to use to weigh a student in second grade? Explain your answer?

c) Dave eats breakfast at 7:00 AM. It takes Dave 30 minutes to eat his breakfast. What time does he finish?

d) Think about the following objects. Put them in order from what holds the most to what holds the least: coffee pot, soft drink bottle, bathtub.

e) Maya went on a trip for two weeks. How many days was she on the trip?

f) Name one item that has the same length as your desk at school.



Activity Four

a) What tool do you use to tell temperature?

b) Jan needed 3 pieces of tape. Each piece needs to be 4 inches (≈ 10 cm) long. What total length of tape does she need?

c) Li plays soccer from 3:00 PM to 4:00 PM. How many minutes does she play?

d) Name three items that weigh less than a large math book.

e) Ami's sneakers are each 10 inches (≈ 25 cm) long. She put her two sneakers toe to toe. Then, she measured the length. What was the length she measured?

f) A rain barrel holds 20 gallons (76 liters) of water. Each time it rains, the barrel collects 5 gallons (19 liters) of water. How many times does it have to rain for the barrel to collect 20 gallons (76 liters) of water?



Activity Five

- a) Carlos is making a rectangle using cubes. The rectangle is 2 cubes tall. It is 5 cubes long. How many cubes does he need to make the rectangle?

- b) A piece of paper is 8 inches (≈ 20 cm) wide. Suppose you tape three pieces of paper together side by side. How wide will the three pieces be?

- c) Name two objects that hold more liquid than a soft drink can.

- d) Sara went outside. She looked at a thermometer. It was 18°F . The temperature went up 3° by the time she went inside. What was the temperature when she was went inside?

- e) Put these in order from what holds most to what holds least: teaspoon, soup can, gallon of juice.

- f) What time is on a clock when it is midnight?



Activity Six

a) Which measurement in each pair is smaller?

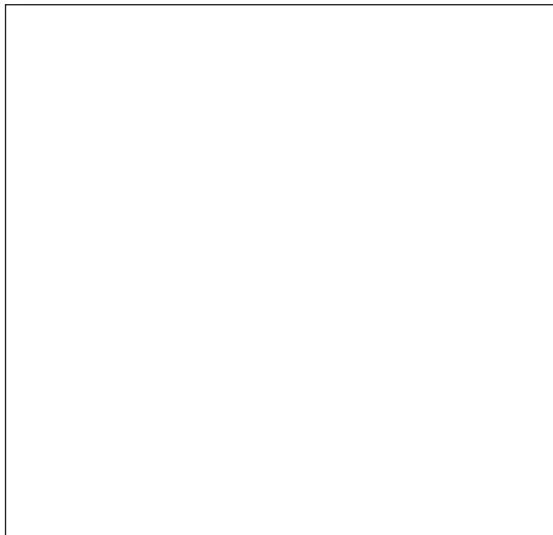
20 in or 20 ft

5 lb or 5 oz

3 gallons or 3 cups

7 hours or 7 minutes

**b) Draw a thermometer in the box.
Mark on it a temperature you
would find on a cold winter day.**



**c) Look at the clock below.
Label the clock 4:00.**



**d) Based on what you have learned about measurement, list an
object that weighs:**

one gram: _____

five grams: _____

ten grams: _____

1.

Answers may vary.

1A

2.

a) 14 days

b) 20 paper clips

c) 12:00 PM

d) .2 ounces (6 grams)

e) teaspoon

f)

Answers may vary.

2A

3.

a) 13 inches (32.5 cm)

b) Answers may vary.

c) 7:30 AM

d) bathtub, coffee pot, bottle

e) 14 days

f) Answers may vary.

3A

4.

a) thermometer

b) 12 inches (≈30 cm)

c) 60 minutes

d) Answers may vary.

e) 20 inches (≈50 cm)

f) 4 times

4A

5.

a) 10 cubes

b) 24 inches (≈60 cm)

c) Answers may vary.

d) 21°F

e) gallon of juice, soup can, teaspoon

f) 12:00 AM

5A

6.

a)

20 in, 5 oz,

3 cups, 7 minutes

b)

Answers may vary.

c)

The hour hand points at 4 and the minute hand points at 12.

d)

Answers may vary.

6A



(these answers are for the 6 free bonus pages, see page 3 for download instructions)