Contents

1+2 Task Sheet

NAME: _____

Task Sheet 2

Of Inches and Hands

2) For the following activity, you will need a standard or metric ruler. Then, begin by completing the following task.

1. Hold out the palm of your hand.
2. Measure the palm of your hand using a ruler. Measure from the left side to the right side. How many inches or centimeters long is your hand?
3. Record the measurement below.

Then, complete the activities

My hand is _____ inches *or* _____ centimeters long.

a) In the past, people used the measurement of "a hand" to measure items, like horses. Use your "hand" to measure the length of the objects below.

A. The height of you. _____ hands. This equals _____ in./cm.

B. The width of your desk. _____ hands. This equals _____ in./cm.

C. The length of your room. _____ hands. This equals _____ in./cm.

D. The width of a piece of paper. _____ hands. This equals _____ in./cm.

E. The length of a TV screen. _____ hands. This equals _____ in./cm.

F. The height of your shoe. _____ hands. This equals _____ in./cm.

Explore With Technology

Using the Internet, look up "hand" as a measurement. See how the measurement is used today. Explain your findings below.

_____

_____

1+2 Task Sheet

NAME: _____

Task Sheet 4

Solids, liquids, and glass

4) For the following activity, you will need:

1 teaspoon
1 tablespoon
1 cup measure
1 pint measure
water

You are working for the SLG measurement company. Your job is to double check their measurement calculations. To do so, you need to determine the measurements by using the tools above.

a) How many teaspoons are in a tablespoon? _____

b) How many tablespoons are in a cup? _____

c) How many teaspoons are in a cup? _____

d) How many tablespoons are in a pint? _____

e) How many teaspoons are in a pint? _____

f) Think about the information above. How can this help you determine how many tablespoons are in a...

i) Quart:

_____

_____

ii) Gallon:

_____

_____

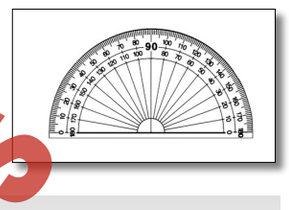
NAME: _____

1+2 Task Sheet

Task Sheet 11

Getting an Angle on It

11) Think about what you have learned about angles and angle measurements. Follow the directions in the space below to create the estimated angles described. Then, measure the angles with a protractor to determine the actual measurement of the angle.



a) Think about what you know about right angles. Try to draw a 90° angle in the box on the right. Then, measure it with a protractor to determine if it is 90°.

My estimated 90° angle

Actual Measurement: _____

b) Now that you have drawn a 90° angle, think about what a 45° angle would look like. Try to draw a 45° angle in the box on the right. Then, measure it with a protractor to determine if it is 45°.

My estimated 90° angle

Actual Measurement: _____

c) Now that you have drawn a 90° and a 45° angle, think about what a 30° angle would look like. Try to draw a 30° angle in the box on the right. Then, measure it with a protractor to determine if it is 30°.

My estimated 90° angle

Actual Measurement: _____

Drill Sheet

NAME: _____

Drill Sheet 1

Conversions

a)

5 ft =	_____	in	2 gallons =	_____	quarts	2 lbs =	_____ oz
9000 mg	_____	g	30 m =	_____	cm	5 kL =	_____ L
6 pints =	_____	cups	48 oz=	_____	lbs	720 in =	_____ ft
5 m =	_____	cm	8000 mL =	_____	L	5000 g =	_____ kg

Choose the correct answer

b) Which weighs more? 1 lb *or* 10 oz

c) Which term is a unit of distance? mile *or* pound

d) Which temperature is closer to the freezing point? -3°C (27°F) *or* 2°C (36°F)

e) Which unit would be used to measure an adult whale? ounce *or* ton

Time and Money

f) List three ways you can make $1.75 using at least three different types of coins or bills.

_____

g) Suppose you purchased lunch at school for $3.75. If you gave the cashier $5.00, how much money would you receive back?

_____

h) A plane takes off at 10:45 PM and lands five hours and twelve minutes later. What time did the plane land?

_____

i) Susan began soccer camp on July 14. She stayed at camp for two weeks and three days. What day did she leave camp?

_____

NAME: _____

Drill Sheet

Drill Sheet 2

Conversions

a)

1 yd =	_____	in	4 lbs =	_____	oz	3 quarts =	_____ pints
20,000 L =	_____	kL	13 m =	_____	cm	2 kg =	_____ g
2 tons =	_____	lbs	12 cups =	_____	pints	2 miles =	_____ feet
290 mm =	_____	cm	5 kg =	_____	g	23 kL =	_____ L

Choose the correct answer

b) Which unit is a measurement of weight? pound *or* degree

c) What unit would best describe the amount of gas put in a tank? 5 cups *or* 10 gallons

d) Which temperature is closer to 10°F? -3°C *or* 25°F

e) The weight of a quarter might be closest to 1g *or* 1kg

Time and Money

f) If school starts at 8:05 and ends at 2:35, how many hours does a student spend in school during a five day school week?

_____

g) Jimmy received a $25 gift card to a sporting goods store. If he spent all but $4.55 on the card, how much money did he spend?

_____

h) Mia practices clarinet three times a week for forty five minutes each time. After four weeks, how many hours has she spent practicing clarinet?

_____

i) Sidney plays twelve lacrosse games a year. He plays the same amount of games each week. If the lacrosse season lasts six weeks, how many games does he play each week?

_____

Review Sheet

NAME: _____

Review A

Measurement Conversions

a)

4 ft =	_____	in	24 in =	_____	ft	2 yd =	_____ ft
300 cm =	_____	m	800 mm =	_____	cm	2 m =	_____ cm
6 ft =	_____	yds	12 ft =	_____	yds	36 in =	_____ ft

Weight

b)

1 lb =	_____	oz	32 oz =	_____	lbs	3 lbs =	_____ oz
1000 mg =	_____	g	4000 mg =	_____	g	2 g =	_____ mg

Liquid Measurement

c)

1 quart =	_____	pints	4 pints =	_____	cups	2 gallons =	_____ quarts
4 cups =	_____	pints	8 quarts =	_____	gallons	3 pints =	_____ cups

Time

d)

60 seconds =	_____	minutes	2 minutes =	_____	seconds
1 hour =	_____	minutes	120 minutes =	_____	hours

Temperature

e) The freezing point in Fahrenheit = _____ °F

f) The freezing point in Celsius = _____ °C

g) The boiling point in Fahrenheit= _____ °F

h) The boiling point in Celsius = _____ °C

NAME: _____

Review Sheet

Review B

Measurement Conversions

a)

2 ft =	_____	in	60 in =	_____	ft	15 ft =	_____ yds
600 mm =	_____	cm	100 mm =	_____	cm	1 m =	_____ mm
36 ft =	_____	yds	5 yds =	_____	ft	4 ft =	_____ in

Weight

b)

1 ton =	_____	lbs	3 lbs =	_____	oz	64 oz =	_____ lbs
2 g =	_____	mg	50,000 mg =	_____	g	3000 g =	_____ kg

Liquid Measurement

c)

3 quart =	_____	pints	16 cups =	_____	pints	20 quarts=	_____ gallons
5 pints =	_____	cups	12 pints =	_____	quarts	6 gallons =	_____ quarts

Time

d) One quarter until noon. _____

e) Fifteen minutes past six thirty at night. _____

f) One and one half hour past midnight. _____

g) Twenty five minutes until eight o'clock in the morning. _____

Temperature

h) Which temperature would you find on a summer day? 20°F (-7°C) *or* 80°F (27°C)

i) What temperature would water be as it turns to ice? 0°C (32°F) *or* 100°C (212°F)

j) Which temperature would a person have who has a fever? 98°F (37°C) *or* 101°F (38°C)

k) What temperature would you find on a cool fall day? 50°F (10°C) *or* 10°F (-12°C)

It's all About the Label

The following shows the nutritional facts from a food label for a box of cereal before it is mixed with milk. Look at the label closely, then answer the questions below. Share your results in class.

Serving Size:..... 1 cup (236 mil.)
Calories:.....180
Calories from fat: 10
Total fat: ..... 1 gram
Cholesterol: .....0 mg
Sodium:.....5 mg
Potassium:.....170 mg

1. **If a person ate two bowls of this cereal, how many total grams of fat would he or she take in from the cereal?**

2. **If a person eats a bowl of this cereal for a week, how many milligrams of sodium would he or she take in for seven days?**

3. **If a person ate half a bowl of this cereal, how much potassium would he or she take in from the cereal?**

4. **If a person hopes to take in ten grams of fat, how much cereal would he or she have to eat?**

5. **Suppose a person eats three servings of the cereal. Rewrite how the label would look to show the nutritional facts for three servings.**

1 + 2 Task Sheet

NAME: _____

Task Sheet 10

Turn Up the Imperial Volume

10) Karla is measuring the volume of different size boxes. She placed her information in the chart below. Look at the chart below. Then, calculate the volume for Rita based on the information she recorded.
(Length X Width X Height = Volume)

Container	Length	Width	Height	Volume
A	8 in (20 cm)	6 in (15 cm)	3 in (8 cm)	
B	9 in (23 cm)	5 in (13 cm)	10 in (25 cm)	
C	5 in (13 cm)	6 in (15 cm)	7 in (18 cm)	
D	4 in (10 cm)	4 in (10 cm)	4 in (10 cm)	
E	8 in (20 cm)	6 in (15 cm)	12 in (31 cm)	
F	6 in (15 cm)	8 in (20 cm)	16 in (41 cm)	
G	12 in (31 cm)	7 in (18 cm)	5 in (13 cm)	
H	10 in (25 cm)	6 in (15 cm)	4 in (10 cm)	

Explore With Technology

Using the Internet, determine the volume of three different fish tanks located in aquariums throughout the country. How large are they? What unit of measurement is used to indicate the volume? Place your results below.

Aquarium one: _____

Aquarium two: _____

Aquarium three: _____

10.

A) 144 cubic in. (2400 cubic cm.)

B) 450 cubic in. (7475 cubic cm.)

C) 210 cubic in. (7410 cubic cm.)

D) 64 cubic in. (1000 cubic cm.)

E) 576 cubic in. (9300 cubic cm.)

F) 768 cubic in. (12,300 cubic cm.)

G) 420 cubic in. (571 cubic cm.)

H) 240 cubic in. (3750 cubic cm.)

11.

Answers may vary depending on drawings.

12.

a) 24 in. (60 cm.)

b) 16 sq. in. (100 sq. cm.)

c) equilateral triangle

d) It would double as well, and become 32 sq. in. (200 sq. cm.)

e) It would be cut in half. Each side would be 4 in. (10 cm.) and the perimeter would be 12 in. (30 cm.)

13.

Answers may vary.

14.

EZ

Answers are approximate.

Triangle:
Height = 1.5 in
Base = 2.75 in
Third Line = 3 in
Perimeter = 7.25 in
Area = 2.06 sq. in
Height = 4 cm
Base = 7 cm
Third Line = 8 cm
Perimeter = 19 cm
Area = 14 sq. cm

Rectangle:
Length = 3 in
Height = 1.5 in
Perimeter = 9 in
Area = 4.5 sq. in
Length = 7.5 cm
Height = 4 cm
Perimeter = 23 cm
Area = 30 sq. cm

Hexagon:
Each Side = 1 in
Perimeter = 6 in
Area = 1.5 sq. in
Each Side = 2.5 cm
Perimeter = 15 cm
Area = 9.375 sq. cm

Note: finding area of hexagon may be difficult. Students should break it into 6 triangles. To find it, students will need to find ½ base (which equals .5 in/1.25 cm) x height (.5 in/1.25 cm) and add it six times.