NAME:

🗊 Student Worksheet

Activity One

1a) Conversions

1.5 tons =	_ Ibs	6 lbs =	_ OZ	12,000 lbs =	_ tons
5 cm =	_mm	2.5 km =	_ m	182 mm =	_cm
80 L =	_ kL	10 quarts =	_gallons	6 pints =	_ cups
5 ft =	_ in	2.5 yd =	_ ft	7.5 yard =	_ in

b) Angle Measurement

Draw the three angles described below using a protractor or other angle measurement device.

Angle 1: 65°

Angle 2: 100°

Angle 3: 150°

c) Short Answers

i) What is the perimeter of a rectangle with a length of 5 cm (2 in) and a width of 8 cm (3 in)?

Answer:

ii) Which temperature is closest to the freezing point?

iii) The radius of a circle is half as long as this part of a circle. Name the part.

Answer: _____

iv) What is the area of a triangle with a base of 4 inches (10 cm) and a height of 5 inches (13 cm)?

Answer: _____

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NAN	NE: Student Worksheet
	Activity Two
2 a)	Tad noticed that the average elephant weighs at least 2000 pounds (907 kilograms) when it is an adult. Based on this data, how much did he determine a group of twenty adult elephants would weigh?
	Answer:
b)	Amy recorded a temperature equal to 20 degrees below freezing on the Celsius (Fahrenheit) scale. What temperature did she record?
	Answer:
c)	A triangle has a height of 4 inches (10 cm). Each side equals 7 inches (18 cm). What is the area of this triangle?
	Answer:
d)	Ruiz spent fifty-five dollars on lacrosse equipment at a local sporting goods store. After tax, his total was \$57.75. What percentage of tax did he pay on his purchase?
	Answer:
e)	Li's father fills up his car with an average of 12 gallons (45 liters) of gas each week. During one complete year, how many total gallons of gas does his car use?
	Answer:
f)	Grace ran a 400 meter dash at school. Her time for the dash during three heats was 50.1 seconds, 49.8 seconds, and 52.4 seconds. What was her average time for the three heats?
	Answer:

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Answer:

NAM	AME: 5	tudent Worksheet
	Activity For	ır
4a)	 a) Greg drew a small circle using a compass. His circle (3 in). What was the area of Greg's circle? 	cle had a diameter of 8 cm
	Answer:	
b)) Jesse changes the water in his 10 gallon (38 liter) During the course of one year, how many gallons (to fill his tank?	fish tank once every two weeks. (liters) of water has Jesse used
	Answer:	
c)	Prasanth measured a triangle. The first angle in the second angle measured 100°. What was the measured 100°.	e triangle measured 45°. The ure of the third angle?
	Answer:	
d)) Carlos runs 5 kilometers (3 miles) a day three time period, how many total meters (feet) will he run if schedule?	es a week. During a four week he continues his current running
	Answer:	
e)) Emily is filling a large square box with white pape play. If all sides of the box are 12 inches (30 cm),	r to use as snow during a school what is the volume of the box?
	Answer:	
f)	The students in Mr. DeLanoro's class were building The scale ratio used on the models was 1 cm = 18 model of their school was 35.25 cm, how tall is the	scale models of their school. inches. If the height of the school in feet?
	Answer:	
g)	Alex was conducting a science experiment on how the course of the month. At the beginning of the m ounces (425 grams). By the end of the month, it has kilograms). How much had the pumpkin grown du	w much a pumpkin grew over onth, the pumpkin weighed 15 ad weighed 12.5 pounds (5.7 ring the course of the month?
	Answer:	

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Answer:





Activity Six

Student Worksheet

6) It's All In Proportion

For the following project, select a small object in the classroom. Your job is to measure its length, or width, or height (or find its area). Then, you are to do the following, with the supervision of an adult:

a) Write the name of the object. List the measurement you found.

Answer:

b) Measure an object that is twice the size of the object. Name the object. List the measurement. Then, list the scale for the object compared to the first object.

Answer: _____

c) Measure an object that is three times the size of the object. Name the object. List the measurement. Then, list the scale for the object compared to the first object.

Answer: _____

d) Measure an object that is four times the size of the object. Name the object. List the measurement. Then, list the scale for the object compared to the first object.

Answer: _____

e) Measure an object that is five times the size of the object. Name the object. List the measurement. Then, list the scale for the object compared to the first object.

Answer:

When you are done, share your results in class. Find similarities and differences between the items that were measured, using the same scales.

E	Z	(these c	answers are fo	or the 6 free bonu:	s pages, see p	bage 3 for do	wnload instru	ctions)
5.	a) 96 sq. cm (24 sq. in)	b) 4400 quarts (4, 162,750 ml)	c) 78.5 sq. cm (12.56 sq. in)	d) 6.05 mph (9.75 kph) or .1 mpm	e) 750 sq. ft (70 sq. m)	° 09 (g) 60 mm (2.45 in) h 21 in (54 cm)	
4	a) 50.24 sq. cm (7.07 sq. in)	b) 260 gallons (988 liters)	c) 35°	d) 60,000 m (190,080 feet)	e) 1728 in ³ (27000 cm ³)	1) 52.875 feet	g) 185 oz(5700 g) or 11 64 hs (5 28 km)	
m.	a) 3 gallons (she will have 2 quarts extra) (9 liters)	b) 1170 miles (1883 km)	c) 40 inches (104 cm)	d) 3 tons (6,000 pounds)	e) 120 °	1) 144°F (80°C)	(<u>1</u>) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	
~	a) 40,000 pounds (18,140 kg)	b) - 20°C (12°F)	c) 14 sq. inches (90 sq. cm)	d) 5 percent		e) 624 gallons (2340 liters)	1) 50.767 seconds	(5)
1	a) 3000 lbs 96 oz 6 tons 50 mm	2500 m 18.2cm .08 kL 2.5 gallons 60 in 7.5ft 270 in	 b) Pictures should look 	like angles described. c) 1) 26 cm (10 in)		II) 35°F (2°C) III) diamotor	in) anameren iv)10 sa. in. (65 sa. cm)	