

Name: _____

Block: _____

Date: _____

AWM10

Ch. 4 Practice Test

Practice Test

(36 marks)

1. The average temperature in the city of Regina is -28°C . What is the equivalent temperature in degrees Fahrenheit?
2. On March 15th 2009 the temperature outside changed from 2.0°C to 19.4°C . What was the **change** in temperature?
3. The average temperature in Hawaii in December is 81°F . How warm is that in Celsius?
4. You need to carry 45 kilograms of bark mulch from your driveway to your back yard to put on your flower garden. If you can carry 10 pounds at a time, how many trips will you need to make?
5. Which metric unit (SI) would be the best to represent the weight of a calculator?
6. Fill in the missing pieces in the chart:

Hecto	100	10^2
Centi	1/100	10^{-2}
Milli	_____	_____
Kilo	_____	_____
Deca	_____	_____
Deci	_____	_____

7. You are carrying your backpack and also your friends backpack. You don't have much homework so your backpack weighs 12 pounds 11 ounces, but your friends backpack weighs 38 pounds 9 ounces. How much do the two backpacks weigh in total – in pounds and ounces? (Remember 16oz = 1 lb)

8. You buy 5 pounds 11 ounces of strawberries at \$2.49/lb. What is the cost of the berries?

9. You and some friends go to the store and pick out candy to buy. If the bags you filled with candy weigh 356 g, 594 g, 216 g and 687 g, how many kilograms of candy do you have?

Part B: Short Answer: Show all of your work including the formula you use!

1. Convert the following temperatures to degrees Celsius. Round your answers to the nearest tenth of a degree. **(2 marks each)**
 - a. -20°F
 - b. 60°F

2. Convert the following temperatures to degrees Fahrenheit. Round your answers to the nearest tenth of a degree. **(2 marks each)**
 - a. 35°C
 - b. -8°C

3. Convert the following units into the units asked for. Use the conversions shown below and the ones on your data booklet to help you. Round your answer to one decimal place. **(2 marks each)**

16 ounces (oz) = 1 pounds (lb)

1 ton (tn) = 2000 pounds (lb)

1 tonne (t) = 1000 kilograms (kg)

a. 58 pounds to kilograms

c. 8740 oz to tn

b. 0.45 pounds to grams

d. 16kg to lbs

Part C: Extended Answer – Show all of your work! Include units!

4. It is estimated that recycling 1 ton of paper saves about 17 trees. About how many trees are saved if 8254 pounds of paper are recycled? **(3 marks)**
5. A 20-oz jar of jam costs \$4.29, a 28-oz jar costs \$5.69, and a 2.4-lb jar costs \$7.95. Which is the best buy? (Show work to back up your answer!) **(4 marks)**
6. How many hectares are in a field that measures 4 km by 1.5 km? (note: $10,000 \text{ m}^2 = 1 \text{ hectare (ha)}$) **(4 marks)**