**Practice Chapter Test**

* 1. Convert the following temperatures.

a) 25°C  °F b) 25°F  °C

c) –40°C  °F d) –25°F  °C

e) 405°F  °C f) 45°C  °F

* 1. A welder’s electrical arc has a temperature ranging from 500°C to 20 000°C. What is this in degrees Fahrenheit?
	2. Convert the following weights.
		1. 12 lb 4 oz  oz b) 2.3 tn  lb

c) 5284 lb  tn lb d) 3 3

4

lb  oz

e) 165 oz  lb f) 454 g  lb

* 1. It is estimated that recycling 1 ton of paper saves about 17 trees. About how many trees are saved if 8254 tons of paper are recycled?
	2. Eva bought 3 rainbow trout for dinner. They weighed 3 lb 5 oz, 2 lb 12 oz, and 3 lb 8 oz. She cut off

 the heads and the tails and was left with 8 lb 2 oz. What was the amount of waste?

* 1. The weight of a piece of raw silk that is 100 yards long by 1.25 yards wide (standard width) is about 38 pounds. The weight of an equal amount of habutai silk is about 12 pounds. If Katharine bought pieces of raw silk and habutai silk that were both 12.5 yards long, how much would they weigh together?
	2. A robin’s egg weighs about 70 g. How many eggs would it take to make 1 kilogram?
	3. Huang bought 12 boxes of floor tiles that weigh 288 pounds each. How much is this in kilograms?
	4. Soybeans have a conversion factor of 36.744 (bu/t). How much do 45 bushels weigh?