# Worksheet--7.3 Math 155 Fall, 2017

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Convert the temperature. Give your answer to the nearest tenth of a degree.**

1) 21°C = ____ °F 1) _____
A) 69.8°F B) 13.8°F C) 95.4°F D) 43.7°F

2) -34°F = ____ °C 2) _____
A) -61.2°C B) -18.9°C C) -36.7°C D) -29.2°C

**Solve the problem.**

3) One-half serving of soy sauce contains 247 milligrams of sodium. How many grams of sodium from soy sauce are included in an egg-foo-young dish made from 4 servings of soy sauce? Round results to the nearest tenth of a gram. 3) _____
A) 0.1 g B) 2.0 g C) 61.8 g D) 98.8 g

4) A 2200 g bag of sugar was on sale for $0.92. How much would you have to pay for 26.4 kg of sugar? 4) _____
A) $13.04 B) $1104 C) $110.40 D) $11.04

5) Find the mass, in metric tonnes, of sand in a box that measures 25 m × 15 m × 12 m. 5) _____
A) 4500 t B) 5625 t C) 2160 t D) 7500 t

6) Andrea's sleeping bag is designed for camping in temperatures of -5°C or warmer. For what Fahrenheit temperatures is her sleeping bag designed? Round to the nearest tenth of a degree. 6) _____
A) -34.8° F or warmer B) 23.0° F or warmer
C) 48.6° F or warmer D) -20.6° F or warmer

**Choose the best answer.**

7) The outside temperature on a warm summer day might be about 7) _____

A) 28° C. B) 42° C. C) 14° C. D) 84° C.

8) You might go ice skating if the outside temperature is about 8) _____

A) -2° C. B) 12° C. C) -42° C. D) 22° C.

**Fill in the missing value.**

9) 654 g = _____ mg 9) _____

A) 0.0654 B) 65,400 C) 654,000 D) 0.654

**Convert as indicated.**

10) 0.83 t = _____ kg 10) _____

A) 8300 B) 830 C) 8.3 D) 83

11) 222,000,000 mg = _____ t 11) _____

A) 0.222 B) 222 C) 22,200 D) 22.2

1. 69.8° F
2. -36.1° C
3. 1 SERVING = 2 * 247 MG = 494 MG = 0.494 G
   0.494 * 4 = 1.976 G
4. 2200 G = 2.2 KG È 0.92 / 2.2 = 0.41 PER KG
   0.41 * 26.4 = $11.04
5. 4500 $m^3$ = 4.5 T
6. 23° F
7. 28° C
8. -2° C
9. 654,000 G
10. 830 KG
11. 222 KG OR 0.222 T