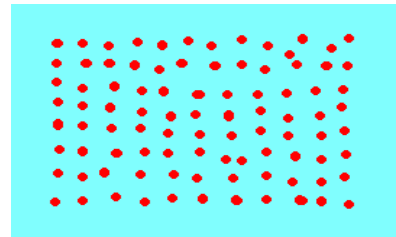
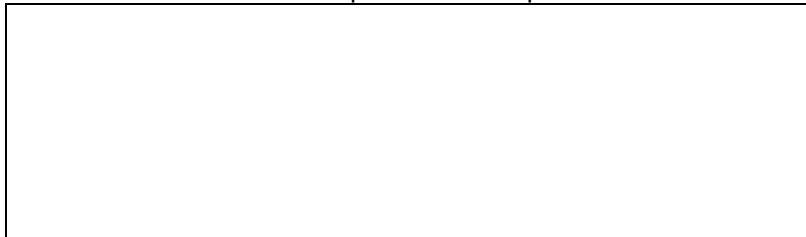


Learning Basic College Mathematics – Chapter 1 and 2 – Hospitality

Name: _____ Date: _____

1. A company sends a collection of trunks from the United States to your Mexican hotel. The trunks weight is 1181 pounds. Using the Unit – Factor (bracket) method, convert the trunks weight to kilograms. 1 kg equals 2.2 lbs.
2. The restaurant is taking care of an association of doctors that needs 1600 orange juices. Each glass of OJ is 6.5 fl. oz. How many gallons of OJ is needed? There is 128 fluid ounces in a gallon.
3. The supervisor measures the exercise area at the business at $15\frac{1}{3}$ feet by $18\frac{1}{4}$ feet. Area is the length times the width. What is the area of the exercise area in square feet?
4. The manager has a group of servers making 95 lattes that hold 240 milliliters each. How many liters of lattes do we need?
5. The hotel staff will clean up the storage room. We locate nine bottles of D-256 Disinfectant which are at different levels. One is $\frac{3}{4}$ full, two are $\frac{5}{8}$ full, three are $\frac{1}{2}$ full, two are $\frac{1}{3}$ full and one is $\frac{1}{5}$ full. When we combine the disinfectant, how many bottles will we have?
6. The staff can clean the single room in 21 minutes. They can clean the double rooms in 28 minutes and they can clean the suites in 38 minutes. There are 40 single rooms, 50 double rooms and 3 suites. How many hours will be used to clean the rooms?
7. The staff prepares a snack of trail mix for two groups. One group get $\frac{1}{3}$ cup per person per day. The larger groups get $\frac{3}{4}$ cup per person per day. There are 24 people in the small group and 56 people in the large group. How many cups of trail mix do we need for the day?
8. The maintenance supervisor has three chains in the storage locker. One says 5.2 meters, another says 3.5 meters and the third says 4.3 meters. What are their measurements in feet? Which one is closest to eight feet?
9. Estimate the number of spots on the carpet.



10. Measure the line in inches and centimeters using a scale. In the lower cell, convert inches to centimeters to show that your answer is correct.



_____ inches _____ cm

Use 2.54 cm = 1 inch to check your measurements.