

Learning Basic College Mathematics – Chapter 1 and 2 Review

Name: _____ Date: _____

1. A company has sent a package to your hotel. The package weighs 43.5 kg. Using the Unit – Factor (bracket) method, convert the package weight to pounds. 1 kg equals 2.2 lbs.
2. The hotel staff will clean up the storage room. We find that we have six bags of de-icer. A bag of de-icer weighs 10 pounds. Two are $\frac{3}{4}$ full, two are half-full, one is $\frac{1}{3}$ full and one is $\frac{1}{4}$ full. If we combine the de-icer, how many bags should we have? How many pounds of de-icer should we have?
3. The manager at the golf club measures out $3\frac{1}{2}$ cups of grass seed, $\frac{1}{2}$ cup of grass seed, $1\frac{1}{3}$ cup of grass seed, $1\frac{3}{4}$ cup of grass seed and $\frac{1}{4}$ cup of grass seed from the bag. How many cups of grass seed was measured out?
4. The staff can clean the single room in 25 minutes. They can clean the double rooms in 36 minutes and they can clean the suites in 45 minutes. There are 35 single rooms, 40 double rooms and 10 suites. How many hours will be used to clean the rooms?
5. The hotel manager is preparing a coffee table for a conference. The manager will provide 2 milliliters of cream for each cup of coffee. She plans for 450 cups of coffee. How many liters of cream does she need?
6. The manager measures the bottom of the cage that holds the pet at $24\frac{3}{4}$ inches by $18\frac{1}{3}$ inches. Area is the length times the width. What is the area of the bottom of the cage in square inches?
7. The supervisor is taking care of an English group that orders 950 cups of tea. Each cup of tea gets 0.25 fl. oz. of cream. How many gallons of the cream is needed? There is 128 fluid ounces in a gallon.
8. The manager measures three pieces of fencing in the exercise yard. One segment of fence measures $15\frac{1}{3}$ meters long. The second segment is $10\frac{1}{4}$ meters long and the third segment is $5\frac{1}{2}$ meters long. How much fencing do we have in feet?
9. Measure the line in inches and centimeters using a scale. Convert inches to centimeters to show that your answer is correct.



Use 2.54 cm = 1 inch to check your measurements.