

## 6th Grade Unit 2 Math Practice Test questions

1. Danny buys three bags of sugar. Each bag contains 2.3 kilograms of sugar. However, one of the bags is torn, and 1.2 kilogram of sugar leaks out as he returns home. How much sugar did Danny have when he arrived home?
2. Mason cut a board that is 3.4 feet long from a board that is 4.6 feet long. What is the length of the remaining board?
3. Ashley painted mural on a wall that is 6.6 feet tall and 9.8 feet wide. What is the total area of the wall that is covered by the mural?
4. Holly spent \$9.50 on CDs, \$4.57 on books, and \$10.37 on clothes. How much money did she spend altogether?
5. Serenity multiplies  $2.36 \times 0.10$  and gets 2360 .What is the correct placement of the decimal point?
6. Seth bought 26.3 ounces of candy. He wanted to share 3.4 ounces per person. How many friends could Seth share with?

**7.** Breanna planted a seedling that had a height of 4.7 centimeters. When she measured it three weeks later, its height was 25.1 centimeters. How many centimeters did the plant grow in those three weeks?

**8.** Curtis divided 3.549 by 0.007 and got 507 but wasn't sure where to place the decimal point in his answer. Where should he put it?

**9.** Drake divided 1.875 by 0.005. How could he rewrite the problem without a decimal in the divisor?

**10.** Abby has prepared two different appetizers. She has 96 mini pizzas and 72 meatballs. What is the greatest number of people the chef can serve if each person must have the same number of each appetizer?

**11.** At a baseball stadium, every sixth person received a free hot dog. Every fourteenth person received a free baseball cap. Which person was the first person to receive both free gifts?

**12.** A teacher has collected 27 folders, 18 notebooks, and 36 pencils. She wants to make up identical packages of folders, notebooks, and pencils to send to schools where students need supplies. What is the greatest number of packages the teacher can make without any supplies leftover?

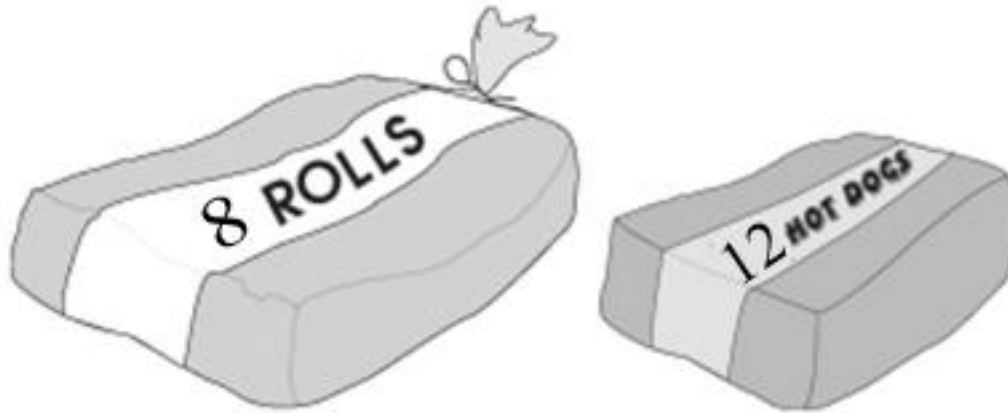
**13.** Olivia has a postcard collection. She can divide her collection into equal groups of 3, 5, or 6. Which could be the number of postcards in Lorynn's collection?

**18.** What is the least common multiple (LCM) of any two different prime numbers?

**20.** Chantel wrote the prime factorization of two numbers. She circled each factor that had a match in the two factorizations; then he multiplied them together. What was Chantel trying to find?

**21.** Two school pep bands are marching in rows across the field from each other. All the rows contain the same number of people. One band has 36 members; the other band has 63 members. If the rows are as long as possible, how many people are in each row?





**24.** Sammi is planning to cook hot dogs at a cookout. The hot dogs and rolls are sold in the packages shown above.

- Sammi wants to buy the same number of hot dogs and hot dog rolls. What is the least number of packages of hot dogs and rolls she should buy?
  
  
  
  
  
  
  
  
  
  
- There will be 11 children and 8 adults at the cookout. If the children share all the hot dogs equally, what is the most hot dogs that each child can have?