

Chapter 1 - Test Review

5th Grade Critical Thinking in Mathematics

Name _____ Date _____ Period _____

Use your knowledge of the concepts in chapter 1 to answer the following questions. Be sure to show ALL of your work and circle your answers. Please come to backwork to see me if you are having trouble😊.

1. Complete the pattern: 17, 14, 11, 8, _____, _____. Explain the rule for finding the next number.
2. Complete the pattern: 2, 3, 5, 9, 17, _____, _____. Explain the rule for finding the next number.
3. What is the smallest whole number that is divisible by 2, 3, 5, 6, and 9?
4. A principle has 96 power strips for 24 classrooms. How many power strips will each classroom have if each classroom has the same amount of power strips?

5. Write an expression using all four operations (+, −, ×, ÷) whose solution is 2.

6. This expression was solved by two students. They each found a different answer.

Jenny's answer

$$80 \div (10 - 2) \times 3 = 30$$

Jacob's answer

$$80 \div (10 - 2) \times 3 = 18$$

Which student is correct?

Explain what mistake the student with the incorrect answer made.

7. Evan has 36 petunias, 18 roses, 60 asters, and 24 mums. He wants the same number of flowers in each row, and only one type of flower in each row. What is the greatest number of flowers that can be placed in a row?

8. Write in operations that will make the statement true. Can you solve this puzzle in another way?

$$8 \quad \underline{\hspace{1cm}} \quad 2 \quad \underline{\hspace{1cm}} \quad 4 = 16$$

9. Use the numbers 21, 7, and 3 to make the statement true. Can you solve this puzzle in another way?

$$\boxed{} - \boxed{} \div \boxed{} = 0$$

