Chapter 1 Handout

Solve the problems on another piece of paper by making boxes. Remember for each word problem, write your answer in a sentence. Show your work!

Evaluate the expression.

1. $20 \times (3^2 - 4) \div 50$ 2. $5 + 2^3 \div 4 - 2$ 3. $6 + 4(11 - 2) \div 3^2$ 4. $\frac{12^2 - 4(6) + 1}{11^2}$

Find the GCF of the numbers.

5. 18, 42 6. 38, 68

Find the LCM of the numbers.

7. 28, 20 8. 9, 24

9. You have 52 inches of yellow ribbon and 64 inches of red ribbon. You want to cut the ribbons into pieces of equal length with no leftovers. What is the greatest length of the pieces that you can make?

10. You have piano lessons every fourth day and guitar lessons every sixth day. Today you have both lessons . In how many days will you have both lessons on the same day again?

11. An auditorium has a total of 592 seats. There are 37 rows of seats, and each row has the same number of seats. How many seats are there in a single row?

12. Tickets for an amusement park cost $10 for adults and $6 for children. Find the total cost of 5 adults and 9 children.

13. A store has 23 boxes of apples. Each box contains 45 apples. How many apples does the store have?

Find the prime factorization.

14. 88 15. 135 16. 62

Find the value of the expression.

17. 276×56 18. $2738 \div 13$