Name:_____ Period:_____

Lessons 4-1, 4-2, 4-3 Review Worksheet

LESSON 4-1

Divisibility

Tell whether each number is divisible by 2, 3, 4, 5, 6, 9, and 10.

1. 90 _____
2. 416 _____
3. 308 _____
4. 540 _____
5. 804 _____
6. 225 _____

Tell whether each number is prime or composite.

7. 33 _____
8. 69 _____
9. 41 _____
10. 45 _____
11. 58 _____
12. 87 _____

13. Dan counted all the coins in his bank, and he had 72 quarters. Can he exchange the quarters for an even amount of dollar bills? How do you know?

_____

LESSON 4-2

Factors and Prime Factorization

List all of the factors of each number.

14. 56 _____
15. 35 _____
16. 44 _____
17. 100 _____

Write the prime factorization of each number.

18. 150 _____
19. 96 _____
20. 66 _____
21. 48 _____
22. 78 _____
23. 81 _____

Name:_____ Period:_____

LESSON 4-3

Greatest Common Factor

Find the GCF of each set of numbers. Use any method.

24. 12 and 15

_____

25. 18 and 24

_____

26. 15 and 25

_____

27. 16 and 24

_____

28. 36 and 45

_____

29. 24 and 54

_____

30. 16, 28, and 48

_____

31. 15, 35, and 95

_____

32. 20, 30, and 80

_____

33. Mr. Thompson's sixth-grade class is competing in the school field day. There are 16 boys and 12 girls in his class. He divided the class into the greatest number of teams possible with the same number of boys on each team and the same number of girls on each team. How many teams were made if each person was on a team? How many girls were on each team? How many boys?

_____

34. Barbara is making candy bags for her birthday party. She has 24 lollipops, 12 candy bars, and 42 pieces of gum. She wants each bag to have the same number of each kind of candy. What is the greatest number of bags she can make if all the candy is used? How many pieces of each kind of candy will be in each bag?

_____