Chapter 3

Name _____ Date _____

Review/Assessment

NCTM Standards 1, 2, 7, 8, 9, 10

Solve the Mystery Number Puzzles. Show your work. Lessons 1 and 3

1 Puzzle A

- ☐ Common multiple of 3 and 5
- ☐ Less than 150
- ☐ Odd
- ☐ Tens digit is even

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2 Puzzle B

- ☐ Common factor of 21 and 70
- ☐ Prime number
- ☐ Odd

☐

Tell whether 1005 students can be put into equal groups with these numbers of students. Write *yes* or *no*. Lessons 6 and 7

3 2 students _____ 4 3 students _____ 5 5 students _____

6 6 students _____ 7 9 students _____ 8 10 students _____

List the factors of each number. Then list any common factors. Lessons 2, 3, and 4

9 **15**

1, 15

10 **40**

11 Common factor(s) of 15 and 40 _____

12 **48**

13 **36**

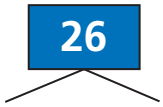
14 Common factor(s) of 48 and 36 _____

Draw a factor tree and circle the prime factors. Write a number sentence with the prime factors. Lessons 4 and 5

15

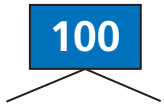
28 = _____

16



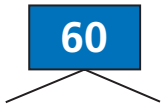
26 = _____

17



100 = _____

18



60 = _____

Write 3 prime numbers. Use pictures, numbers, or words to explain how you know the numbers are prime. Lesson 5

19 _____ _____ _____ _____

Solve the problem. Lesson 8

20 Alex has 100 trading cards that he wants to put in stacks with the same number of cards in each stack and no cards left over. List all the ways he can stack the cards. Use pictures, numbers, or words to explain your answer.

_____

_____

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