Name _____

Greatest Common Factor

COMMON CORE STANDARD—6.NS.4
Compute fluently with multi-digit numbers and find common factors and multiples.

List the common factors. Circle the greatest common factor.

1. 25 and 10

1, ⑤
_____

2. 36 and 90

_____

3. 45 and 60

_____

Find the GCF.

4. 2, 8

_____

5. 6, 15

_____

6. 14, 18

_____

7. 6, 48

_____

8. 20, 50

_____

9. 16, 100

_____

Use the GCF and the Distributive Property to express the sum as a product.

10. 20 + 35

_____

11. 18 + 27

_____

12. 64 + 40

_____

Problem Solving Real World

13. Jerome is making prizes for a game at the school fair. He has two bags of different pins, one with 15 pins and one with 20 pins. Every prize will have one kind of pin and will have the greatest number of pins possible. How many pins should be in each prize?

_____

14. There are 24 sixth graders and 40 seventh graders. Mr. Chan wants to divide both grades into groups of equal size, with the greatest possible number of students in each group. How many students should be in each group?

_____