Math Practice - Grade 6

M8 Equivalent expressions - Factor an expression

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 15y + 15.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

15y + 15 = 15 (1y + 1)

1 **Factor 32x + 56.**

32x + 56 = ☐

2 **Factor 12y + 16.**

12y + 16 = ☐

3 **Factor 28x + 8.**

28x + 8 = ☐

4 **Factor 16x + 4.**

16x + 4 = ☐

5 **Factor 20y + 30.**

20y + 30 = ☐

6 **Factor 9x + 15.**

9x + 15 = ☐

7 **Factor 16y + 24.**

16y + 24 = ☐

8 **Factor 72x + 56.**

72x + 56 = ☐

9 **Factor 24y + 24.**

24y + 24 = ☐

10 **Factor 16x + 64.**

16x + 64 = ☐

Math Practice - Grade 6

M8 Equivalent expressions - Factor an expression

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 18y + 18.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

18y + 18 = 18 (1y + 1)

1 **Factor 4y + 14.**

4y + 14 = ☐

2 **Factor 48x + 36.**

48x + 36 = ☐

3 **Factor 8y + 16.**

8y + 16 = ☐

4 **Factor 6x + 6.**

6x + 6 = ☐

5 **Factor 18x + 48.**

18x + 48 = ☐

6 **Factor 81x + 18.**

81x + 18 = ☐

7 **Factor 81y + 81.**

81y + 81 = ☐

8 **Factor 12y + 9.**

12y + 9 = ☐

9 **Factor 27y + 9.**

27y + 9 = ☐

10 **Factor 81y + 54.**

81y + 54 = ☐

Math Practice - Grade 6

M8 Equivalent expressions - Factor an expression

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 14y + 12.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

$14y + 12 =$ 2 (7y + 6)

1 **Factor 21y + 35.**

$21y + 35 =$ ☐

2 **Factor 12x + 14.**

$12x + 14 =$ ☐

3 **Factor 8x + 16.**

$8x + 16 =$ ☐

4 **Factor 10y + 20.**

$10y + 20 =$ ☐

5 **Factor 35y + 10.**

$35y + 10 =$ ☐

6 **Factor 14x + 42.**

$14x + 42 =$ ☐

7 **Factor 36y + 28.**

$36y + 28 =$ ☐

8 **Factor 35x + 10.**

$35x + 10 =$ ☐

9 **Factor 56x + 72.**

$56x + 72 =$ ☐

10 **Factor 12y + 6.**

$12y + 6 =$ ☐