## Taking out a common factor — Two terms

Name: _____ Date: _____

Take out the greatest common factor. Fill in every number.

1. $120x + 168 = \_\_\_(\_\_\_x + \_\_\_)$

2. $13x + 78 = \_\_\_(\_\_\_x + \_\_\_)$

3. $105x + 15 = \_\_\_(\_\_\_x + \_\_\_)$

4. $14x + 2 = \_\_\_(\_\_\_x + \_\_\_)$

5. $10x + 22 = \_\_\_(\_\_\_x + \_\_\_)$

6. $30x + 15 = \_\_\_(\_\_\_x + \_\_\_)$

7. $7x + 42 = \_\_\_(\_\_\_x + \_\_\_)$

8. $264x + 192 = \_\_\_(\_\_\_x + \_\_\_)$

9. $24x + 2 = \_\_\_(\_\_\_x + \_\_\_)$

10. $56x + 21 = \_\_\_(\_\_\_x + \_\_\_)$

# Taking out a common factor · Two terms — Answer key

1. 120x + 168 = 24(5x + 7) (120 ÷ 24 = 5, 168 ÷ 24 = 7)

2. 13x + 78 = 13(x + 6) (13 ÷ 13 = 1, 78 ÷ 13 = 6)

3. 105x + 15 = 15(7x + 1) (105 ÷ 15 = 7, 15 ÷ 15 = 1)

4. 14x + 2 = 2(7x + 1) (14 ÷ 2 = 7, 2 ÷ 2 = 1)

5. 10x + 22 = 2(5x + 11) (10 ÷ 2 = 5, 22 ÷ 2 = 11)

6. 30x + 15 = 15(2x + 1) (30 ÷ 15 = 2, 15 ÷ 15 = 1)

7. 7x + 42 = 7(x + 6) (7 ÷ 7 = 1, 42 ÷ 7 = 6)

8. 264x + 192 = 24(11x + 8) (264 ÷ 24 = 11, 192 ÷ 24 = 8)

9. 24x + 2 = 2(12x + 1) (24 ÷ 2 = 12, 2 ÷ 2 = 1)

10. 56x + 21 = 7(8x + 3) (56 ÷ 7 = 8, 21 ÷ 7 = 3)