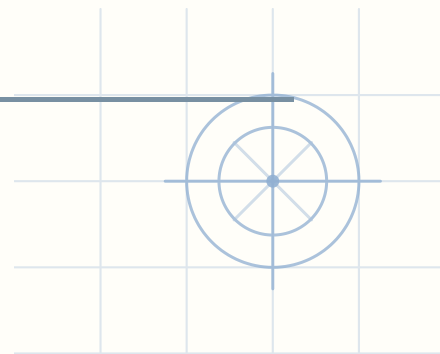


Taking out a common factor — Two terms

Name: _____

Date: _____

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



1 $120x + 168 = \text{---}(\text{---}x + \text{---})$

2 $13x + 78 = \text{---}(\text{---}x + \text{---})$

3 $105x + 15 = \text{---}(\text{---}x + \text{---})$

4 $14x + 2 = \text{---}(\text{---}x + \text{---})$

5 $10x + 22 = \text{---}(\text{---}x + \text{---})$

6 $30x + 15 = \text{---}(\text{---}x + \text{---})$

7 $7x + 42 = \text{---}(\text{---}x + \text{---})$

8 $264x + 192 = \text{---}(\text{---}x + \text{---})$

9 $24x + 2 = \text{---}(\text{---}x + \text{---})$

10 $56x + 21 = \text{---}(\text{---}x + \text{---})$



Taking out a common factor · Two terms — Answer key

1. $120x + 168 = 24(5x + 7)$
($120 \div 24 = 5$, $168 \div 24 = 7$)

2. $13x + 78 = 13(x + 6)$ (13
 $\div 13 = 1$, $78 \div 13 = 6$)

3. $105x + 15 = 15(7x + 1)$
($105 \div 15 = 7$, $15 \div 15 = 1$)

4. $14x + 2 = 2(7x + 1)$ ($14 \div$
 $2 = 7$, $2 \div 2 = 1$)

5. $10x + 22 = 2(5x + 11)$ (10
 $\div 2 = 5$, $22 \div 2 = 11$)

6. $30x + 15 = 15(2x + 1)$ (30
 $\div 15 = 2$, $15 \div 15 = 1$)

7. $7x + 42 = 7(x + 6)$ ($7 \div 7$
 $= 1$, $42 \div 7 = 6$)

8. $264x + 192 = 24(11x + 8)$
($264 \div 24 = 11$, $192 \div 24 =$
8)

9. $24x + 2 = 2(12x + 1)$ (24
 $\div 2 = 12$, $2 \div 2 = 1$)

10. $56x + 21 = 7(8x + 3)$ (56
 $\div 7 = 8$, $21 \div 7 = 3$)