



Greatest common factor of 2 numbers (2-50)

Grade 6 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) 27 _____	2) 21 _____
15 _____	39 _____

3) 30 _____	4) 33 _____
40 _____	11 _____

5) 30 _____	6) 38 _____
20 _____	18 _____

7) 20 _____	8) 21 _____
35 _____	49 _____

9) 6 _____	10) 42 _____
9 _____	24 _____

11) 42 _____	12) 45 _____
30 _____	48 _____

13) 18 _____	14) 15 _____
2 _____	5 _____

15) 33 _____	16) 14 _____
39 _____	20 _____



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Find the greatest common factor of the two numbers shown.

$$\begin{array}{l} 1) \quad 27 \quad \underline{1, 3} \quad \underline{3} \\ 15 \quad \underline{1, 3} \end{array} \quad \begin{array}{l} 2) \quad 21 \quad \underline{1, 3} \quad \underline{3} \\ 39 \quad \underline{1, 3} \end{array}$$

$$\begin{array}{l} 3) \quad 30 \quad \underline{1, 2, 3, 5, 6, 10} \quad \underline{10} \\ 40 \quad \underline{1, 2, 4, 5, 8, 10} \end{array} \quad \begin{array}{l} 4) \quad 33 \quad \underline{1, 3, 11} \quad \underline{11} \\ 11 \quad \underline{1, 11} \end{array}$$

$$\begin{array}{l} 5) \quad 30 \quad \underline{1, 2, 3, 5, 6, 10} \quad \underline{10} \\ 20 \quad \underline{1, 2, 4, 5, 10} \end{array} \quad \begin{array}{l} 6) \quad 38 \quad \underline{1, 2} \quad \underline{2} \\ 18 \quad \underline{1, 2} \end{array}$$

$$\begin{array}{l} 7) \quad 20 \quad \underline{1, 2, 4, 5} \quad \underline{5} \\ 35 \quad \underline{1, 5} \end{array} \quad \begin{array}{l} 8) \quad 21 \quad \underline{1, 3, 7} \quad \underline{7} \\ 49 \quad \underline{1, 7} \end{array}$$

$$\begin{array}{l} 9) \quad 6 \quad \underline{1, 2, 3} \quad \underline{3} \\ 9 \quad \underline{1, 3} \end{array} \quad \begin{array}{l} 10) \quad 42 \quad \underline{1, 2, 3, 6} \quad \underline{6} \\ 24 \quad \underline{1, 2, 3, 4, 6} \end{array}$$

$$\begin{array}{l} 11) \quad 42 \quad \underline{1, 2, 3, 6} \quad \underline{6} \\ 30 \quad \underline{1, 2, 3, 5, 6} \end{array} \quad \begin{array}{l} 12) \quad 45 \quad \underline{1, 3} \quad \underline{3} \\ 48 \quad \underline{1, 2, 3} \end{array}$$

$$\begin{array}{l} 13) \quad 18 \quad \underline{1, 2} \quad \underline{2} \\ 2 \quad \underline{1, 2} \end{array} \quad \begin{array}{l} 14) \quad 15 \quad \underline{1, 3, 5} \quad \underline{5} \\ 5 \quad \underline{1, 5} \end{array}$$

$$\begin{array}{l} 15) \quad 33 \quad \underline{1, 3} \quad \underline{3} \\ 39 \quad \underline{1, 3} \end{array} \quad \begin{array}{l} 16) \quad 14 \quad \underline{1, 2} \quad \underline{2} \\ 20 \quad \underline{1, 2} \end{array}$$