



Greatest common factor of 2 numbers (2-50)

Grade 6 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) 12 _____	2) 44 _____
30 _____	2 _____

3) 33 _____	4) 35 _____
22 _____	30 _____

5) 21 _____	6) 20 _____
36 _____	16 _____

7) 30 _____	8) 30 _____
44 _____	3 _____

9) 22 _____	10) 28 _____
11 _____	21 _____

11) 14 _____	12) 6 _____
21 _____	18 _____

13) 9 _____	14) 22 _____
21 _____	44 _____

15) 21 _____	16) 30 _____
35 _____	35 _____



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Find the greatest common factor of the two numbers shown.

$$\begin{array}{l} 1) \quad 12 \quad \underline{1, 2, 3, 4, 6} \quad \underline{6} \\ 30 \quad \underline{1, 2, 3, 5, 6} \end{array} \quad \begin{array}{l} 2) \quad 44 \quad \underline{1, 2} \quad \underline{2} \\ 2 \quad \underline{1, 2} \end{array}$$

$$\begin{array}{l} 3) \quad 33 \quad \underline{1, 3, 11} \quad \underline{11} \\ 22 \quad \underline{1, 2, 11} \end{array} \quad \begin{array}{l} 4) \quad 35 \quad \underline{1, 5} \quad \underline{5} \\ 30 \quad \underline{1, 2, 3, 5} \end{array}$$

$$\begin{array}{l} 5) \quad 21 \quad \underline{1, 3} \quad \underline{3} \\ 36 \quad \underline{1, 2, 3} \end{array} \quad \begin{array}{l} 6) \quad 20 \quad \underline{1, 2, 4} \quad \underline{4} \\ 16 \quad \underline{1, 2, 4} \end{array}$$

$$\begin{array}{l} 7) \quad 30 \quad \underline{1, 2} \quad \underline{2} \\ 44 \quad \underline{1, 2} \end{array} \quad \begin{array}{l} 8) \quad 30 \quad \underline{1, 2, 3} \quad \underline{3} \\ 3 \quad \underline{1, 3} \end{array}$$

$$\begin{array}{l} 9) \quad 22 \quad \underline{1, 2, 11} \quad \underline{11} \\ 11 \quad \underline{1, 11} \end{array} \quad \begin{array}{l} 10) \quad 28 \quad \underline{1, 2, 4, 7} \quad \underline{7} \\ 21 \quad \underline{1, 3, 7} \end{array}$$

$$\begin{array}{l} 11) \quad 14 \quad \underline{1, 2, 7} \quad \underline{7} \\ 21 \quad \underline{1, 3, 7} \end{array} \quad \begin{array}{l} 12) \quad 6 \quad \underline{1, 2, 3, 6} \quad \underline{6} \\ 18 \quad \underline{1, 2, 3, 6} \end{array}$$

$$\begin{array}{l} 13) \quad 9 \quad \underline{1, 3} \quad \underline{3} \\ 21 \quad \underline{1, 3} \end{array} \quad \begin{array}{l} 14) \quad 22 \quad \underline{1, 2, 11, 22} \quad \underline{22} \\ 44 \quad \underline{1, 2, 4, 11, 22} \end{array}$$

$$\begin{array}{l} 15) \quad 21 \quad \underline{1, 3, 7} \quad \underline{7} \\ 35 \quad \underline{1, 5, 7} \end{array} \quad \begin{array}{l} 16) \quad 30 \quad \underline{1, 2, 3, 5} \quad \underline{5} \\ 35 \quad \underline{1, 5} \end{array}$$