

Greatest common factor of 2 numbers (2-200)

Grade 6 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) 26 _____
98 _____

2) 147 _____
102 _____

3) 88 _____
77 _____

4) 70 _____
63 _____

5) 27 _____
198 _____

6) 132 _____
12 _____

7) 33 _____
84 _____

8) 100 _____
20 _____

9) 22 _____
74 _____

10) 24 _____
112 _____

11) 98 _____
21 _____

12) 166 _____
192 _____

13) 192 _____
78 _____

14) 28 _____
77 _____

15) 120 _____
50 _____

16) 66 _____
99 _____

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Find the greatest common factor of the two numbers shown.

$$1) \quad \begin{array}{r} 26 \\ 98 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \underline{2} \quad 2) \quad \begin{array}{r} 147 \\ 102 \end{array} \begin{array}{l} \underline{1, 3} \\ \underline{1, 2, 3} \end{array} \quad \underline{3}$$

$$3) \quad \begin{array}{r} 88 \\ 77 \end{array} \begin{array}{l} \underline{1, 2, 4, 8, 11} \\ \underline{1, 7, 11} \end{array} \quad \underline{11} \quad 4) \quad \begin{array}{r} 70 \\ 63 \end{array} \begin{array}{l} \underline{1, 2, 5, 7} \\ \underline{1, 3, 7} \end{array} \quad \underline{7}$$

$$5) \quad \begin{array}{r} 27 \\ 198 \end{array} \begin{array}{l} \underline{1, 3, 9} \\ \underline{1, 2, 3, 6, 9} \end{array} \quad \underline{9} \quad 6) \quad \begin{array}{r} 132 \\ 12 \end{array} \begin{array}{l} \underline{1, 2, 3, 4, 6, 11, 12} \\ \underline{1, 2, 3, 4, 6, 12} \end{array} \quad \underline{12}$$

$$7) \quad \begin{array}{r} 33 \\ 84 \end{array} \begin{array}{l} \underline{1, 3} \\ \underline{1, 2, 3} \end{array} \quad \underline{3} \quad 8) \quad \begin{array}{r} 100 \\ 20 \end{array} \begin{array}{l} \underline{1, 2, 4, 5, 10, 20} \\ \underline{1, 2, 4, 5, 10, 20} \end{array} \quad \underline{20}$$

$$9) \quad \begin{array}{r} 22 \\ 74 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \underline{2} \quad 10) \quad \begin{array}{r} 24 \\ 112 \end{array} \begin{array}{l} \underline{1, 2, 3, 4, 6, 8} \\ \underline{1, 2, 4, 7, 8} \end{array} \quad \underline{8}$$

$$11) \quad \begin{array}{r} 98 \\ 21 \end{array} \begin{array}{l} \underline{1, 2, 7} \\ \underline{1, 3, 7} \end{array} \quad \underline{7} \quad 12) \quad \begin{array}{r} 166 \\ 192 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \underline{2}$$

$$13) \quad \begin{array}{r} 192 \\ 78 \end{array} \begin{array}{l} \underline{1, 2, 3, 4, 6} \\ \underline{1, 2, 3, 6} \end{array} \quad \underline{6} \quad 14) \quad \begin{array}{r} 28 \\ 77 \end{array} \begin{array}{l} \underline{1, 2, 4, 7} \\ \underline{1, 7} \end{array} \quad \underline{7}$$

$$15) \quad \begin{array}{r} 120 \\ 50 \end{array} \begin{array}{l} \underline{1, 2, 3, 4, 5, 6, 8, 10} \\ \underline{1, 2, 5, 10} \end{array} \quad \underline{10} \quad 16) \quad \begin{array}{r} 66 \\ 99 \end{array} \begin{array}{l} \underline{1, 2, 3, 6, 11, 22, 33} \\ \underline{1, 3, 9, 11, 33} \end{array} \quad \underline{33}$$