

Greatest common factor of 2 numbers (2-200)

Grade 6 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) $\begin{array}{r} 33 \\ 96 \end{array}$ _____

2) $\begin{array}{r} 36 \\ 63 \end{array}$ _____

3) $\begin{array}{r} 112 \\ 44 \end{array}$ _____

4) $\begin{array}{r} 7 \\ 84 \end{array}$ _____

5) $\begin{array}{r} 120 \\ 110 \end{array}$ _____

6) $\begin{array}{r} 111 \\ 99 \end{array}$ _____

7) $\begin{array}{r} 66 \\ 90 \end{array}$ _____

8) $\begin{array}{r} 88 \\ 143 \end{array}$ _____

9) $\begin{array}{r} 40 \\ 24 \end{array}$ _____

10) $\begin{array}{r} 65 \\ 180 \end{array}$ _____

11) $\begin{array}{r} 36 \\ 81 \end{array}$ _____

12) $\begin{array}{r} 84 \\ 66 \end{array}$ _____

13) $\begin{array}{r} 156 \\ 66 \end{array}$ _____

14) $\begin{array}{r} 50 \\ 125 \end{array}$ _____

15) $\begin{array}{r} 105 \\ 28 \end{array}$ _____

16) $\begin{array}{r} 12 \\ 72 \end{array}$ _____

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Find the greatest common factor of the two numbers shown.

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|--|---|---|--|---|---|
| 1) $\begin{array}{r} 33 \\ 96 \end{array}$ | $\begin{array}{r} \underline{1, 3} \\ \underline{1, 2, 3} \end{array}$ | $\begin{array}{r} \underline{3} \end{array}$ | 2) $\begin{array}{r} 36 \\ 63 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 6, 9} \\ \underline{1, 3, 7, 9} \end{array}$ | $\begin{array}{r} \underline{9} \end{array}$ |
| 3) $\begin{array}{r} 112 \\ 44 \end{array}$ | $\begin{array}{r} \underline{1, 2, 4} \\ \underline{1, 2, 4} \end{array}$ | $\begin{array}{r} \underline{4} \end{array}$ | 4) $\begin{array}{r} 7 \\ 84 \end{array}$ | $\begin{array}{r} \underline{1, 7} \\ \underline{1, 2, 3, 4, 6, 7} \end{array}$ | $\begin{array}{r} \underline{7} \end{array}$ |
| 5) $\begin{array}{r} 120 \\ 110 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 5, 6, 8, 10} \\ \underline{1, 2, 5, 10} \end{array}$ | $\begin{array}{r} \underline{10} \end{array}$ | 6) $\begin{array}{r} 111 \\ 99 \end{array}$ | $\begin{array}{r} \underline{1, 3} \\ \underline{1, 3} \end{array}$ | $\begin{array}{r} \underline{3} \end{array}$ |
| 7) $\begin{array}{r} 66 \\ 90 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 6} \\ \underline{1, 2, 3, 5, 6} \end{array}$ | $\begin{array}{r} \underline{6} \end{array}$ | 8) $\begin{array}{r} 88 \\ 143 \end{array}$ | $\begin{array}{r} \underline{1, 2, 4, 8, 11} \\ \underline{1, 11} \end{array}$ | $\begin{array}{r} \underline{11} \end{array}$ |
| 9) $\begin{array}{r} 40 \\ 24 \end{array}$ | $\begin{array}{r} \underline{1, 2, 4, 5, 8} \\ \underline{1, 2, 3, 4, 6, 8} \end{array}$ | $\begin{array}{r} \underline{8} \end{array}$ | 10) $\begin{array}{r} 65 \\ 180 \end{array}$ | $\begin{array}{r} \underline{1, 5} \\ \underline{1, 2, 3, 4, 5} \end{array}$ | $\begin{array}{r} \underline{5} \end{array}$ |
| 11) $\begin{array}{r} 36 \\ 81 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 6, 9} \\ \underline{1, 3, 9} \end{array}$ | $\begin{array}{r} \underline{9} \end{array}$ | 12) $\begin{array}{r} 84 \\ 66 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 6} \\ \underline{1, 2, 3, 6} \end{array}$ | $\begin{array}{r} \underline{6} \end{array}$ |
| 13) $\begin{array}{r} 156 \\ 66 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 6} \\ \underline{1, 2, 3, 6} \end{array}$ | $\begin{array}{r} \underline{6} \end{array}$ | 14) $\begin{array}{r} 50 \\ 125 \end{array}$ | $\begin{array}{r} \underline{1, 2, 5, 10, 25} \\ \underline{1, 5, 25} \end{array}$ | $\begin{array}{r} \underline{25} \end{array}$ |
| 15) $\begin{array}{r} 105 \\ 28 \end{array}$ | $\begin{array}{r} \underline{1, 3, 5, 7} \\ \underline{1, 2, 4, 7} \end{array}$ | $\begin{array}{r} \underline{7} \end{array}$ | 16) $\begin{array}{r} 12 \\ 72 \end{array}$ | $\begin{array}{r} \underline{1, 2, 3, 4, 6, 12} \\ \underline{1, 2, 3, 4, 6, 8, 9, 12} \end{array}$ | $\begin{array}{r} \underline{12} \end{array}$ |