

Greatest common factor (GCF)

Grade 5 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) $\begin{array}{r} 7 \\ 28 \end{array}$ _____

2) $\begin{array}{r} 6 \\ 32 \end{array}$ _____

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

4) $\begin{array}{r} 48 \\ 12 \end{array}$ _____

5) $\begin{array}{r} 44 \\ 30 \end{array}$ _____

6) $\begin{array}{r} 11 \\ 22 \end{array}$ _____

7) $\begin{array}{r} 39 \\ 36 \end{array}$ _____

8) $\begin{array}{r} 42 \\ 14 \end{array}$ _____

9) $\begin{array}{r} 46 \\ 30 \end{array}$ _____

10) $\begin{array}{r} 22 \\ 18 \end{array}$ _____

11) $\begin{array}{r} 7 \\ 42 \end{array}$ _____

12) $\begin{array}{r} 14 \\ 34 \end{array}$ _____

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Find the greatest common factor of the two numbers shown.

$$1) \quad \begin{array}{r} 7 \\ 28 \end{array} \begin{array}{l} \underline{1, 7} \\ \underline{1, 2, 4, 7} \end{array} \quad \begin{array}{r} 7 \\ \hline \end{array} \quad 2) \quad \begin{array}{r} 6 \\ 32 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array}$$

$$3) \quad \begin{array}{r} 40 \\ 24 \end{array} \begin{array}{l} \underline{1, 2, 4, 5, 8} \\ \underline{1, 2, 3, 4, 6, 8} \end{array} \quad \begin{array}{r} 8 \\ \hline \end{array} \quad 4) \quad \begin{array}{r} 48 \\ 12 \end{array} \begin{array}{l} \underline{1, 2, 3, 4, 6, 8, 12} \\ \underline{1, 2, 3, 4, 6, 12} \end{array} \quad \begin{array}{r} 12 \\ \hline \end{array}$$

$$5) \quad \begin{array}{r} 44 \\ 30 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array} \quad 6) \quad \begin{array}{r} 11 \\ 22 \end{array} \begin{array}{l} \underline{1, 11} \\ \underline{1, 2, 11} \end{array} \quad \begin{array}{r} 11 \\ \hline \end{array}$$

$$7) \quad \begin{array}{r} 39 \\ 36 \end{array} \begin{array}{l} \underline{1, 3} \\ \underline{1, 2, 3} \end{array} \quad \begin{array}{r} 3 \\ \hline \end{array} \quad 8) \quad \begin{array}{r} 42 \\ 14 \end{array} \begin{array}{l} \underline{1, 2, 3, 6, 7, 14} \\ \underline{1, 2, 7, 14} \end{array} \quad \begin{array}{r} 14 \\ \hline \end{array}$$

$$9) \quad \begin{array}{r} 46 \\ 30 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array} \quad 10) \quad \begin{array}{r} 22 \\ 18 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array}$$

$$11) \quad \begin{array}{r} 7 \\ 42 \end{array} \begin{array}{l} \underline{1, 7} \\ \underline{1, 2, 3, 6, 7} \end{array} \quad \begin{array}{r} 7 \\ \hline \end{array} \quad 12) \quad \begin{array}{r} 14 \\ 34 \end{array} \begin{array}{l} \underline{1, 2} \\ \underline{1, 2} \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array}$$