



Greatest common factor of 2 numbers (2-1,000)

Grade 6 Factoring Worksheet

Find the greatest common factor of the two numbers shown.

1) $\frac{27}{900}$ _____ 2) $\frac{25}{125}$ _____

3) $\frac{21}{70}$ _____ 4) $\frac{711}{303}$ _____

5) $\frac{320}{385}$ _____ 6) $\frac{84}{618}$ _____

7) $\frac{88}{72}$ _____ 8) $\frac{210}{49}$ _____

9) $\frac{320}{155}$ _____ 10) $\frac{24}{153}$ _____

11) $\frac{64}{98}$ _____ 12) $\frac{600}{124}$ _____

13) $\frac{72}{424}$ _____ 14) $\frac{114}{264}$ _____

15) $\frac{80}{105}$ _____ 16) $\frac{112}{204}$ _____



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Find the greatest common factor of the two numbers shown.

$$\begin{array}{l} 1) \quad 27 \quad \underline{1, 3, 9} \quad 9 \\ 900 \quad \underline{1, 2, 3, 4, 5, 6, 9} \end{array} \quad \begin{array}{l} 2) \quad 25 \quad \underline{1, 5, 25} \quad 25 \\ 125 \quad \underline{1, 5, 25} \end{array}$$

$$\begin{array}{l} 3) \quad 21 \quad \underline{1, 3, 7} \quad 7 \\ 70 \quad \underline{1, 2, 5, 7} \end{array} \quad \begin{array}{l} 4) \quad 711 \quad \underline{1, 3} \quad 3 \\ 303 \quad \underline{1, 3} \end{array}$$

$$\begin{array}{l} 5) \quad 320 \quad \underline{1, 2, 4, 5} \quad 5 \\ 385 \quad \underline{1, 5} \end{array} \quad \begin{array}{l} 6) \quad 84 \quad \underline{1, 2, 3, 4, 6} \quad 6 \\ 618 \quad \underline{1, 2, 3, 6} \end{array}$$

$$\begin{array}{l} 7) \quad 88 \quad \underline{1, 2, 4, 8} \quad 8 \\ 72 \quad \underline{1, 2, 3, 4, 6, 8} \end{array} \quad \begin{array}{l} 8) \quad 210 \quad \underline{1, 2, 3, 5, 6, 7} \quad 7 \\ 49 \quad \underline{1, 7} \end{array}$$

$$\begin{array}{l} 9) \quad 320 \quad \underline{1, 2, 4, 5} \quad 5 \\ 155 \quad \underline{1, 5} \end{array} \quad \begin{array}{l} 10) \quad 24 \quad \underline{1, 2, 3} \quad 3 \\ 153 \quad \underline{1, 3} \end{array}$$

$$\begin{array}{l} 11) \quad 64 \quad \underline{1, 2} \quad 2 \\ 98 \quad \underline{1, 2} \end{array} \quad \begin{array}{l} 12) \quad 600 \quad \underline{1, 2, 3, 4} \quad 4 \\ 124 \quad \underline{1, 2, 4} \end{array}$$

$$\begin{array}{l} 13) \quad 72 \quad \underline{1, 2, 3, 4, 6, 8} \quad 8 \\ 424 \quad \underline{1, 2, 4, 8} \end{array} \quad \begin{array}{l} 14) \quad 114 \quad \underline{1, 2, 3, 6} \quad 6 \\ 264 \quad \underline{1, 2, 3, 4, 6} \end{array}$$

$$\begin{array}{l} 15) \quad 80 \quad \underline{1, 2, 4, 5} \quad 5 \\ 105 \quad \underline{1, 3, 5} \end{array} \quad \begin{array}{l} 16) \quad 112 \quad \underline{1, 2, 4} \quad 4 \\ 204 \quad \underline{1, 2, 3, 4} \end{array}$$