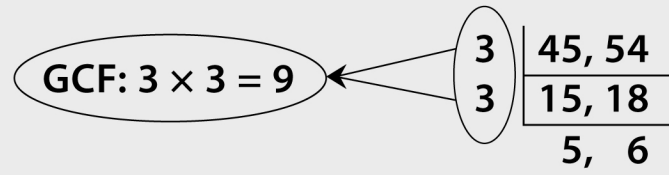


Name: _____

GCF Ladder Method

Use only the prime numbers as the factors



Use the ladder method to find the greatest common factor.

1) 40, 56

2) 30, 150

3) 48, 12

GCF =

GCF =

GCF =

4) 36, 60

5) 33, 154

6) 15, 70

GCF =

GCF =

GCF =

7) 42, 18

8) 24, 32

9) 27, 45

GCF =

GCF =

GCF =

GCF Ladder Method

Answers

Use only the prime numbers as the factors

$$\begin{array}{r|l} 3 & 45, 54 \\ 3 & 15, 18 \\ \hline & 5, 6 \end{array}$$

GCF: $3 \times 3 = 9$

Use the ladder method to find the greatest common factor.

1) $\underline{40, 56}$

2) $\underline{30, 150}$

3) $\underline{48, 12}$

GCF = 8

GCF = 30

GCF = 12

4) $\underline{36, 60}$

5) $\underline{33, 154}$

6) $\underline{15, 70}$

GCF = 12

GCF = 11

GCF = 5

7) $\underline{42, 18}$

8) $\underline{24, 32}$

9) $\underline{27, 45}$

GCF = 6

GCF = 8

GCF = 9