

Prime Factors (I)

Use a tree diagram to find the prime factors of each number.

85

20

96

57

52

75

26

95

85

Prime Factors (I) Answers

Use a tree diagram to find the prime factors of each number.

85

$$\begin{array}{c} 85 \\ \swarrow \quad \searrow \\ 5 \quad 17 \\ \hline 85 = 5 \times 17 \end{array}$$

20

$$\begin{array}{c} 20 \\ \swarrow \quad \searrow \\ 2 \quad 10 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 5 \\ \hline 20 = 2^2 \times 5 \end{array}$$

96

$$\begin{array}{c} 96 \\ \swarrow \quad \searrow \\ 8 \quad 12 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 4 \quad 2 \quad 6 \\ \quad \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \quad 2 \quad 2 \quad \quad 2 \quad 3 \\ \hline 96 = 2^5 \times 3 \end{array}$$

57

$$\begin{array}{c} 57 \\ \swarrow \quad \searrow \\ 3 \quad 19 \\ \hline 57 = 3 \times 19 \end{array}$$

52

$$\begin{array}{c} 52 \\ \swarrow \quad \searrow \\ 2 \quad 26 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 13 \\ \hline 52 = 2^2 \times 13 \end{array}$$

75

$$\begin{array}{c} 75 \\ \swarrow \quad \searrow \\ 3 \quad 25 \\ \quad \swarrow \quad \searrow \\ \quad 5 \quad 5 \\ \hline 75 = 3 \times 5^2 \end{array}$$

26

$$\begin{array}{c} 26 \\ \swarrow \quad \searrow \\ 2 \quad 13 \\ \hline 26 = 2 \times 13 \end{array}$$

95

$$\begin{array}{c} 95 \\ \swarrow \quad \searrow \\ 5 \quad 19 \\ \hline 95 = 5 \times 19 \end{array}$$

85

$$\begin{array}{c} 85 \\ \swarrow \quad \searrow \\ 5 \quad 17 \\ \hline 85 = 5 \times 17 \end{array}$$