

Prime Factors (D)

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

87

10

34

74

68

34

48

26

74

Prime Factors (D) Answers

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

87

$$\begin{array}{c} 87 \\ \swarrow \quad \searrow \\ 3 \quad 29 \\ \hline 87 = 3 \times 29 \end{array}$$

10

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

34

$$\begin{array}{c} 34 \\ \swarrow \quad \searrow \\ 2 \quad 17 \\ \hline 34 = 2 \times 17 \end{array}$$

74

$$\begin{array}{c} 74 \\ \swarrow \quad \searrow \\ 2 \quad 37 \\ \hline 74 = 2 \times 37 \end{array}$$

68

$$\begin{array}{c} 68 \\ \swarrow \quad \searrow \\ 2 \quad 34 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 17 \\ \hline 68 = 2^2 \times 17 \end{array}$$

34

$$\begin{array}{c} 34 \\ \swarrow \quad \searrow \\ 2 \quad 17 \\ \hline 34 = 2 \times 17 \end{array}$$

48

$$\begin{array}{c} 48 \\ \swarrow \quad \searrow \\ 4 \quad 12 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 2 \quad 2 \quad 6 \\ \quad \quad \quad \swarrow \quad \searrow \\ \quad \quad \quad 2 \quad 3 \\ \hline 48 = 2^4 \times 3 \end{array}$$

26

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

74

$$\begin{array}{c} 74 \\ \swarrow \quad \searrow \\ 2 \quad 37 \\ \hline 74 = 2 \times 37 \end{array}$$