

Prime Factors (E)

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

91

35

20

85

82

78

10

64

9

Prime Factors (E) Answers

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

91

$$\begin{array}{c} 91 \\ \swarrow \quad \searrow \\ 7 \quad 13 \\ \hline 91 = 7 \times 13 \end{array}$$

35

$$\begin{array}{c} 35 \\ \swarrow \quad \searrow \\ 5 \quad 7 \\ \hline 35 = 5 \times 7 \end{array}$$

20

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

85

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

82

$$\begin{array}{c} 82 \\ \swarrow \quad \searrow \\ 2 \quad 41 \\ \hline 82 = 2 \times 41 \end{array}$$

78

$$\begin{array}{c} 78 \\ \swarrow \quad \searrow \\ 2 \quad 39 \\ \quad \swarrow \quad \searrow \\ \quad 3 \quad 13 \\ \hline 78 = 2 \times 3 \times 13 \end{array}$$

10

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

64

$$\begin{array}{c} 64 \\ \swarrow \quad \searrow \\ 8 \quad 8 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 4 \quad 2 \quad 4 \\ \quad \swarrow \quad \searrow \quad \quad \swarrow \quad \searrow \\ \quad 2 \quad 2 \quad \quad 2 \quad 2 \\ \hline 64 = 2^6 \end{array}$$

9

$$\begin{array}{c} 9 \\ \swarrow \quad \searrow \\ 3 \quad 3 \\ \hline 9 = 3^2 \end{array}$$