

## Prime Factors (J)

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

187

65

164

148

142

81

55

118

184

## Prime Factors (J) Answers

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

187

$$\begin{array}{c} 187 \\ \swarrow \quad \searrow \\ 11 \quad 17 \\ 187 = 11 \times 17 \end{array}$$

65

$$\begin{array}{c} 65 \\ \swarrow \quad \searrow \\ 5 \quad 13 \\ 65 = 5 \times 13 \end{array}$$

164

$$\begin{array}{c} 164 \\ \swarrow \quad \searrow \\ 2 \quad 82 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 41 \\ 164 = 2^2 \times 41 \end{array}$$

148

$$\begin{array}{c} 148 \\ \swarrow \quad \searrow \\ 2 \quad 74 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 37 \\ 148 = 2^2 \times 37 \end{array}$$

142

$$\begin{array}{c} 142 \\ \swarrow \quad \searrow \\ 2 \quad 71 \\ 142 = 2 \times 71 \end{array}$$

81

$$\begin{array}{c} 81 \\ \swarrow \quad \searrow \\ 9 \quad 9 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 3 \quad 3 \quad 3 \quad 3 \\ 81 = 3^4 \end{array}$$

55

$$\begin{array}{c} 55 \\ \swarrow \quad \searrow \\ 5 \quad 11 \\ 55 = 5 \times 11 \end{array}$$

118

$$\begin{array}{c} 118 \\ \swarrow \quad \searrow \\ 2 \quad 59 \\ 118 = 2 \times 59 \end{array}$$

184

$$\begin{array}{c} 184 \\ \swarrow \quad \searrow \\ 4 \quad 46 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 2 \quad 2 \quad 23 \\ 184 = 2^3 \times 23 \end{array}$$