

Prime Factors (B)

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

62

63

40

20

74

65

94

82

78

Prime Factors (B) Answers

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

62

$$\begin{array}{c} 62 \\ \swarrow \quad \searrow \\ 2 \quad 31 \\ \hline 62 = 2 \times 31 \end{array}$$

63

$$\begin{array}{c} 63 \\ \swarrow \quad \searrow \\ 3 \quad 21 \\ \quad \swarrow \quad \searrow \\ \quad 3 \quad 7 \\ \hline 63 = 3^2 \times 7 \end{array}$$

40

$$\begin{array}{c} 40 \\ \swarrow \quad \searrow \\ 4 \quad 10 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 2 \quad 2 \quad 5 \\ \hline 40 = 2^3 \times 5 \end{array}$$

20

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

74

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

65

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

94

$$\begin{array}{c} 94 \\ \swarrow \quad \searrow \\ 2 \quad 47 \\ \hline 94 = 2 \times 47 \end{array}$$

82

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

78

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