

Prime Factors (F)

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

58

65

28

62

75

45

30

27

90

Prime Factors (F) Answers

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

58

$$\begin{array}{c} 58 \\ \swarrow \quad \searrow \\ 2 \quad 29 \\ \hline 58 = 2 \times 29 \end{array}$$

65

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

28

$$\begin{array}{c} 28 \\ \swarrow \quad \searrow \\ 2 \quad 14 \\ \quad \swarrow \quad \searrow \\ \quad 2 \quad 7 \\ \hline 28 = 2^2 \times 7 \end{array}$$

62

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

75

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

45

$$\begin{array}{c} 45 \\ \swarrow \quad \searrow \\ 3 \quad 15 \\ \quad \swarrow \quad \searrow \\ \quad 3 \quad 5 \\ \hline 45 = 3^2 \times 5 \end{array}$$

30

$$\begin{array}{c} 30 \\ \swarrow \quad \searrow \\ 2 \quad 15 \\ \quad \swarrow \quad \searrow \\ \quad 3 \quad 5 \\ \hline 30 = 2 \times 3 \times 5 \end{array}$$

27

$$\begin{array}{c} 27 \\ \swarrow \quad \searrow \\ 3 \quad 9 \\ \quad \swarrow \quad \searrow \\ \quad 3 \quad 3 \\ \hline 27 = 3^3 \end{array}$$

90

$$\begin{array}{c} 90 \\ \swarrow \quad \searrow \\ 6 \quad 15 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 2 \quad 3 \quad 3 \quad 5 \\ \hline 90 = 2 \times 3^2 \times 5 \end{array}$$