

9-2 Finding Prime Factors

Use factor trees

1.
$$\begin{array}{c} 9 \\ \wedge \\ 3 \times 3 \end{array}$$

$$9 = 3 \times 3$$

1. Find two factors
2. Keep adding branches until the ends are all prime numbers
3. Write a number sentence.

2.
$$\begin{array}{c} 21 \\ \wedge \\ 3 \times 7 \end{array}$$

$$21 = 3 \times 7$$

3.
$$\begin{array}{c} 12 \\ \wedge \\ 6 \times 2 \\ \wedge \\ 2 \times 3 \end{array}$$

$$12 = 2 \times 2 \times 3$$

4.
$$\begin{array}{c} 18 \\ \wedge \\ 2 \times 9 \\ \wedge \\ 3 \times 3 \end{array}$$

$$18 = 2 \times 3 \times 3$$