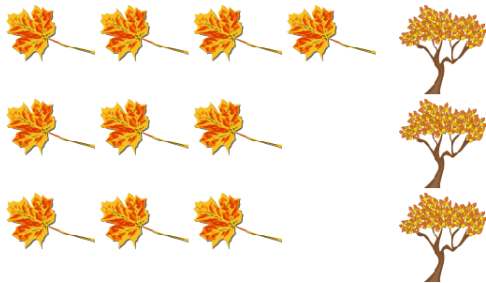


# Autumn Ratios (A)

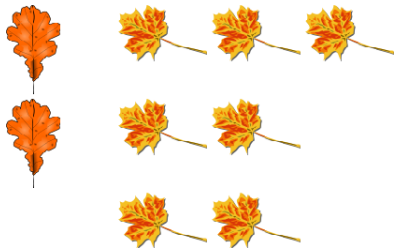
Find each ratio and simplify, if necessary.



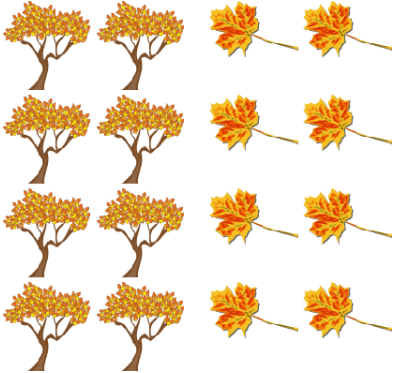
$$\begin{aligned} \text{leaf} : \text{tree} &= \quad : \quad = \quad : \\ \text{tree} : \text{leaf} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{tree} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{tree} &= \quad : \quad = \quad : \end{aligned}$$



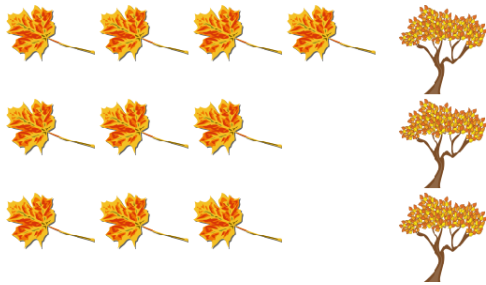
$$\begin{aligned} \text{tree} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{tree} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{tree} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{tree} &= \quad : \quad = \quad : \end{aligned}$$

# Autumn Ratios (A) Answers

Find each ratio and simplify, if necessary.



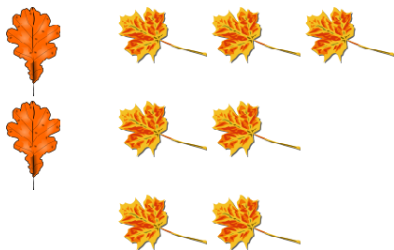
$$\text{leaf} : \text{tree} = 10 : 3 = 10 : 3$$

$$\text{tree} : \text{leaf} = 3 : 10 = 3 : 10$$



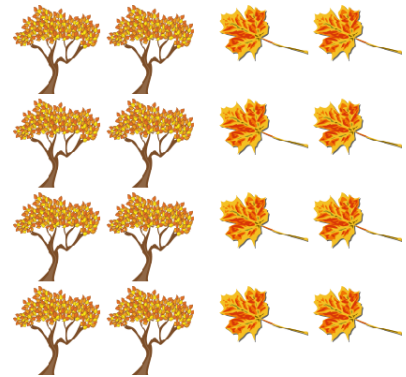
$$\text{green leaf} : \text{yellow leaf} = 1 : 4 = 1 : 4$$

$$\text{yellow leaf} : \text{green leaf} = 4 : 1 = 4 : 1$$



$$\text{oak leaf} : \text{maple leaf} = 2 : 7 = 2 : 7$$

$$\text{maple leaf} : \text{oak leaf} = 7 : 2 = 7 : 2$$

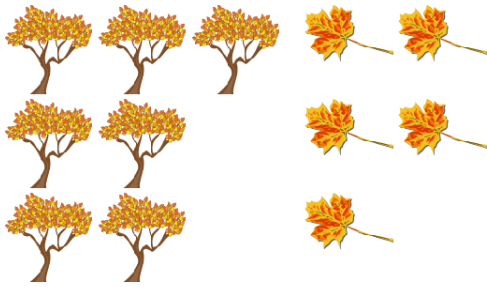


$$\text{tree} : \text{leaf} = 8 : 8 = 1 : 1$$

$$\text{leaf} : \text{tree} = 8 : 8 = 1 : 1$$

# Autumn Ratios (B)

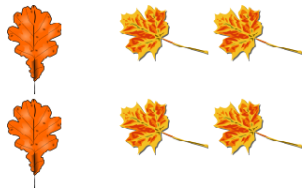
Find each ratio and simplify, if necessary.



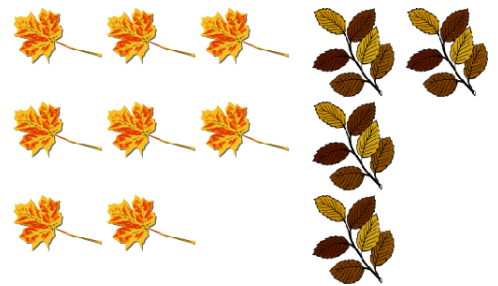
$$\begin{aligned} \text{Tree} : \text{Leaf} &= \quad : \quad = \quad : \quad \\ \text{Leaf} : \text{Tree} &= \quad : \quad = \quad : \quad \end{aligned}$$



$$\begin{aligned} \text{Tree} : \text{Leaf} &= \quad : \quad = \quad : \quad \\ \text{Leaf} : \text{Tree} &= \quad : \quad = \quad : \quad \end{aligned}$$



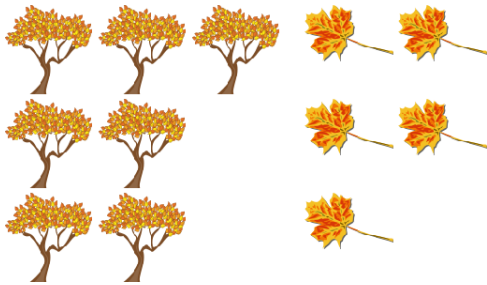
$$\begin{aligned} \text{Orange Leaf} : \text{Yellow Leaf} &= \quad : \quad = \quad : \quad \\ \text{Yellow Leaf} : \text{Orange Leaf} &= \quad : \quad = \quad : \quad \end{aligned}$$



$$\begin{aligned} \text{Yellow Leaf} : \text{Brown Leaf} &= \quad : \quad = \quad : \quad \\ \text{Brown Leaf} : \text{Yellow Leaf} &= \quad : \quad = \quad : \quad \end{aligned}$$

# Autumn Ratios (B) Answers

Find each ratio and simplify, if necessary.



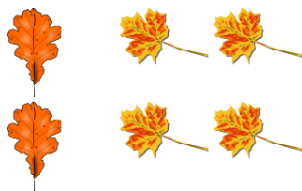
$$\text{tree} : \text{leaf} = 7 : 5 = 7 : 5$$

$$\text{leaf} : \text{tree} = 5 : 7 = 5 : 7$$



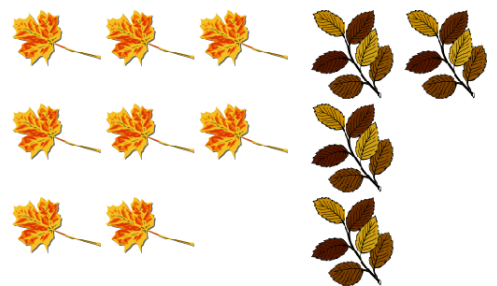
$$\text{tree} : \text{leaf} = 6 : 1 = 6 : 1$$

$$\text{leaf} : \text{tree} = 1 : 6 = 1 : 6$$



$$\text{oak leaf} : \text{maple leaf} = 2 : 4 = 1 : 2$$

$$\text{maple leaf} : \text{oak leaf} = 4 : 2 = 2 : 1$$

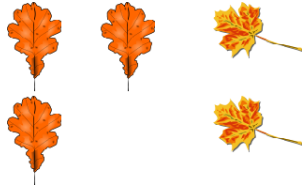


$$\text{maple leaf} : \text{oak leaf} = 8 : 4 = 2 : 1$$

$$\text{oak leaf} : \text{maple leaf} = 4 : 8 = 1 : 2$$

# Autumn Ratios (C)

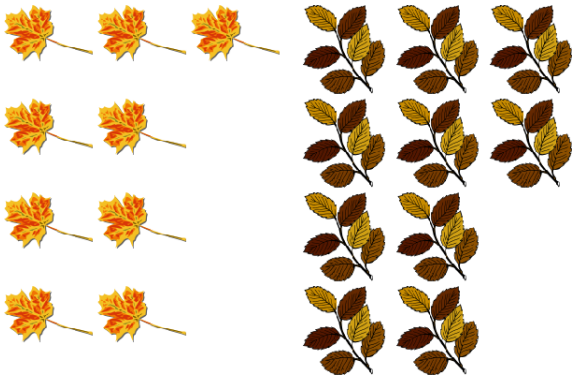
Find each ratio and simplify, if necessary.



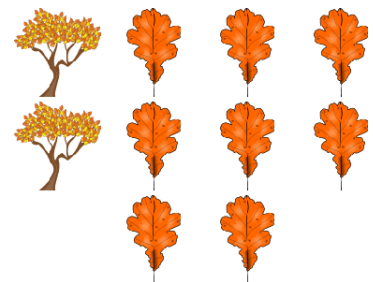
$$\begin{array}{l} \text{Oak leaf} : \text{Maple leaf} = \quad : \quad = \quad : \quad \\ \text{Maple leaf} : \text{Oak leaf} = \quad : \quad = \quad : \quad \end{array}$$



$$\begin{array}{l} \text{Maple leaf} : \text{Oak leaf} = \quad : \quad = \quad : \quad \\ \text{Oak leaf} : \text{Maple leaf} = \quad : \quad = \quad : \quad \end{array}$$



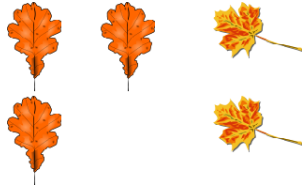
$$\begin{array}{l} \text{Maple leaf} : \text{Oak leaf} = \quad : \quad = \quad : \quad \\ \text{Oak leaf} : \text{Maple leaf} = \quad : \quad = \quad : \quad \end{array}$$



$$\begin{array}{l} \text{Tree} : \text{Oak leaf} = \quad : \quad = \quad : \quad \\ \text{Oak leaf} : \text{Tree} = \quad : \quad = \quad : \quad \end{array}$$

# Autumn Ratios (C) Answers

Find each ratio and simplify, if necessary.



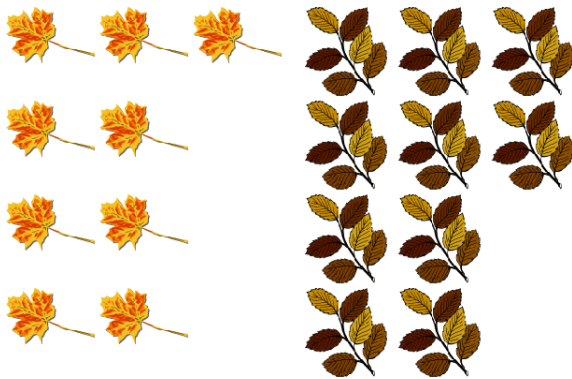
$$\text{orange leaf} : \text{yellow leaf} = 3 : 2 = 3 : 2$$

$$\text{yellow leaf} : \text{orange leaf} = 2 : 3 = 2 : 3$$



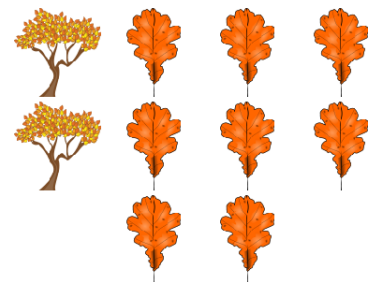
$$\text{yellow leaf} : \text{green leaf} = 2 : 6 = 1 : 3$$

$$\text{green leaf} : \text{yellow leaf} = 6 : 2 = 3 : 1$$



$$\text{yellow leaf} : \text{green leaf} = 9 : 10 = 9 : 10$$

$$\text{green leaf} : \text{yellow leaf} = 10 : 9 = 10 : 9$$

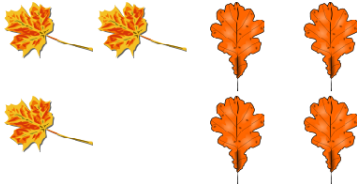


$$\text{tree} : \text{orange leaf} = 2 : 8 = 1 : 4$$

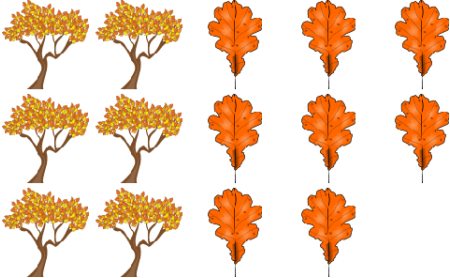
$$\text{orange leaf} : \text{tree} = 8 : 2 = 4 : 1$$

# Autumn Ratios (D)

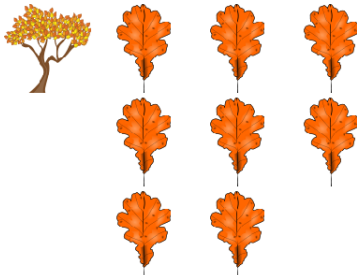
Find each ratio and simplify, if necessary.



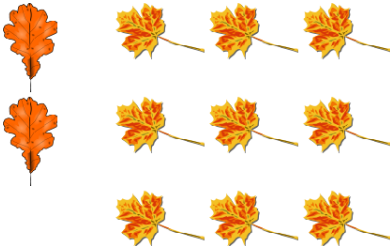
$$\begin{aligned} \text{Maple leaf} : \text{Oak leaf} &= \quad : \quad = \quad : \\ \text{Oak leaf} : \text{Maple leaf} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{Tree} : \text{Oak leaf} &= \quad : \quad = \quad : \\ \text{Oak leaf} : \text{Tree} &= \quad : \quad = \quad : \end{aligned}$$



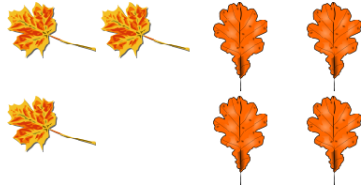
$$\begin{aligned} \text{Tree} : \text{Oak leaf} &= \quad : \quad = \quad : \\ \text{Oak leaf} : \text{Tree} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{Oak leaf} : \text{Maple leaf} &= \quad : \quad = \quad : \\ \text{Maple leaf} : \text{Oak leaf} &= \quad : \quad = \quad : \end{aligned}$$

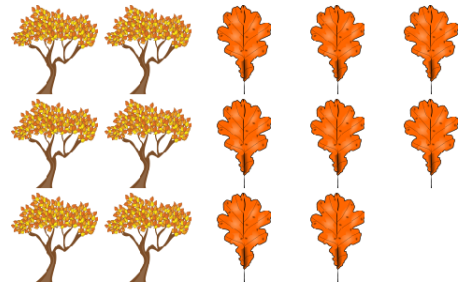
# Autumn Ratios (D) Answers

Find each ratio and simplify, if necessary.



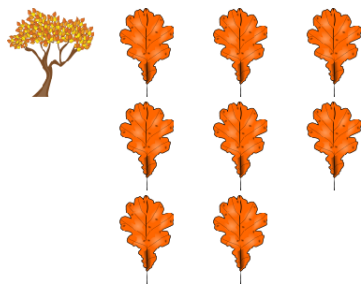
$$\text{maple leaf} : \text{oak leaf} = 3 : 4 = 3 : 4$$

$$\text{oak leaf} : \text{maple leaf} = 4 : 3 = 4 : 3$$



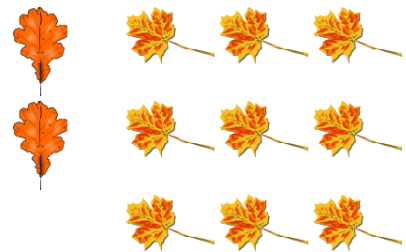
$$\text{tree} : \text{oak leaf} = 6 : 8 = 3 : 4$$

$$\text{oak leaf} : \text{tree} = 8 : 6 = 4 : 3$$



$$\text{tree} : \text{oak leaf} = 1 : 8 = 1 : 8$$

$$\text{oak leaf} : \text{tree} = 8 : 1 = 8 : 1$$



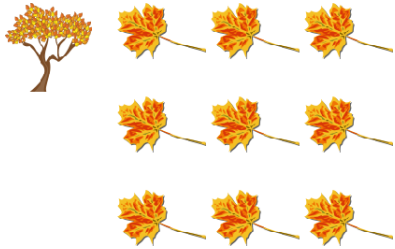
$$\text{oak leaf} : \text{maple leaf} = 2 : 9 = 2 : 9$$

$$\text{maple leaf} : \text{oak leaf} = 9 : 2 = 9 : 2$$

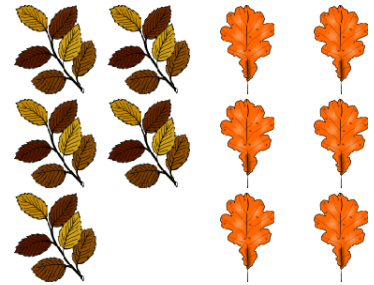


# Autumn Ratios (E)

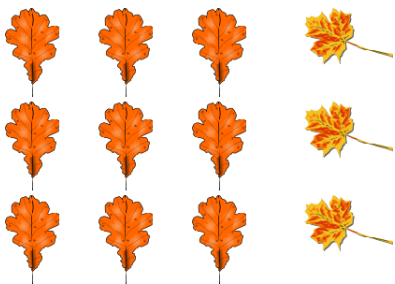
Find each ratio and simplify, if necessary.



$$\begin{aligned} \text{Tree} : \text{Leaf} &= \quad : \quad = \quad : \\ \text{Leaf} : \text{Tree} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{Green Branch} : \text{Oak Leaf} &= \quad : \quad = \quad : \\ \text{Oak Leaf} : \text{Green Branch} &= \quad : \quad = \quad : \end{aligned}$$



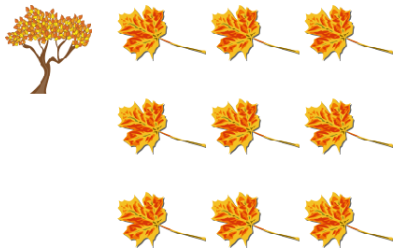
$$\begin{aligned} \text{Oak Leaf} : \text{Maple Leaf} &= \quad : \quad = \quad : \\ \text{Maple Leaf} : \text{Oak Leaf} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{Green Branch} : \text{Maple Leaf} &= \quad : \quad = \quad : \\ \text{Maple Leaf} : \text{Green Branch} &= \quad : \quad = \quad : \end{aligned}$$

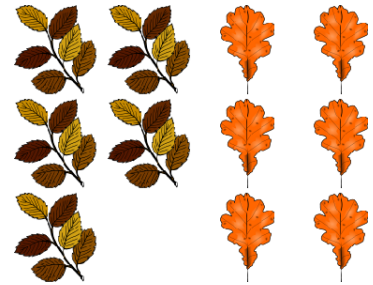
# Autumn Ratios (E) Answers

Find each ratio and simplify, if necessary.



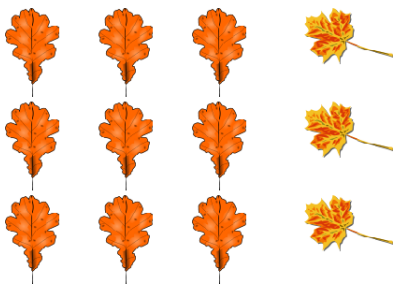
$$\text{tree} : \text{leaf} = 1 : 9 = 1 : 9$$

$$\text{leaf} : \text{tree} = 9 : 1 = 9 : 1$$



$$\text{branch} : \text{leaf} = 5 : 6 = 5 : 6$$

$$\text{leaf} : \text{branch} = 6 : 5 = 6 : 5$$



$$\text{oak leaf} : \text{maple leaf} = 9 : 3 = 3 : 1$$

$$\text{maple leaf} : \text{oak leaf} = 3 : 9 = 1 : 3$$

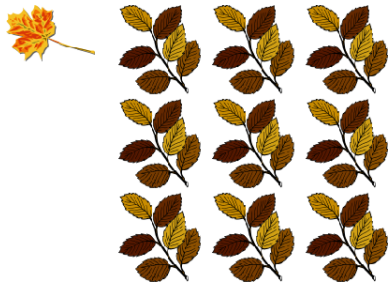


$$\text{branch} : \text{leaf} = 6 : 2 = 3 : 1$$

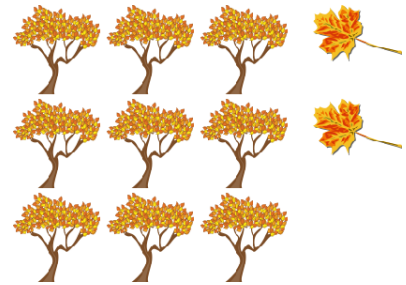
$$\text{leaf} : \text{branch} = 2 : 6 = 1 : 3$$

# Autumn Ratios (F)

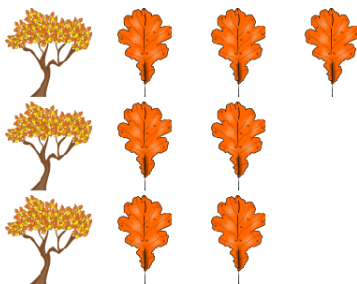
Find each ratio and simplify, if necessary.



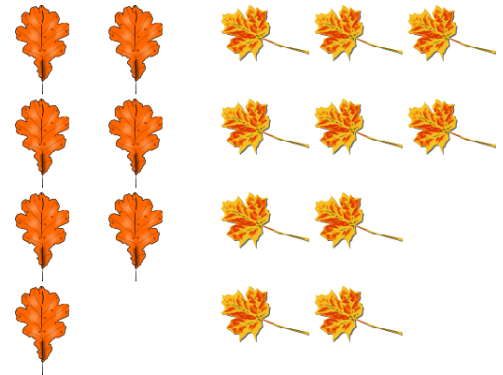
$$\begin{aligned} \text{leaf} : \text{branch} &= \quad : \quad = \quad : \\ \text{branch} : \text{leaf} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{tree} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{tree} &= \quad : \quad = \quad : \end{aligned}$$



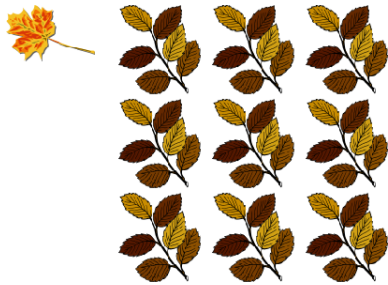
$$\begin{aligned} \text{tree} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{tree} &= \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{stem} : \text{leaf} &= \quad : \quad = \quad : \\ \text{leaf} : \text{stem} &= \quad : \quad = \quad : \end{aligned}$$

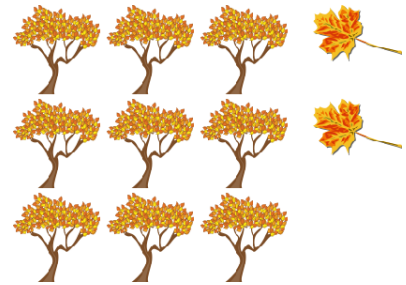
# Autumn Ratios (F) Answers

Find each ratio and simplify, if necessary.



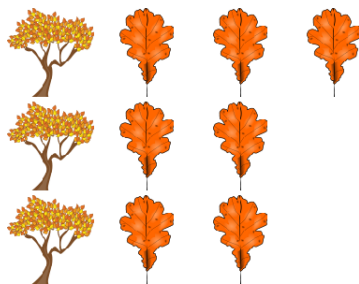
$$\text{leaf} : \text{stem} = 1 : 9 = 1 : 9$$

$$\text{stem} : \text{leaf} = 9 : 1 = 9 : 1$$



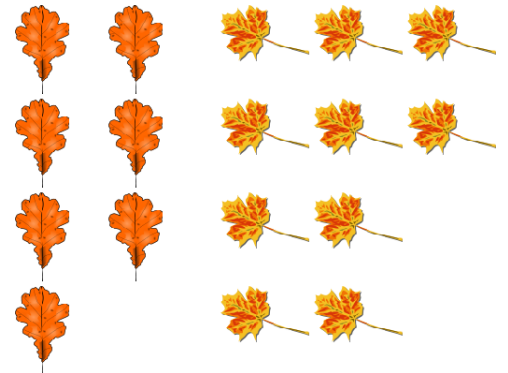
$$\text{tree} : \text{leaf} = 9 : 2 = 9 : 2$$

$$\text{leaf} : \text{tree} = 2 : 9 = 2 : 9$$



$$\text{tree} : \text{leaf} = 3 : 7 = 3 : 7$$

$$\text{leaf} : \text{tree} = 7 : 3 = 7 : 3$$

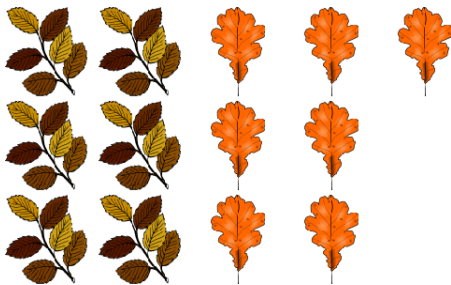


$$\text{leaf} : \text{maple} = 7 : 10 = 7 : 10$$

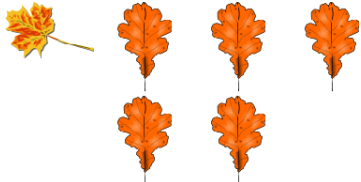
$$\text{maple} : \text{leaf} = 10 : 7 = 10 : 7$$

# Autumn Ratios (G)

Find each ratio and simplify, if necessary.



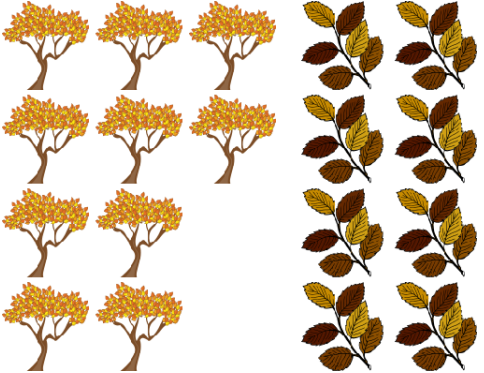
$$\begin{array}{l}
 \text{leaf} : \text{oak leaf} = \quad : \quad = \quad : \\
 \text{oak leaf} : \text{leaf} = \quad : \quad = \quad :
 \end{array}$$



$$\begin{array}{l}
 \text{maple leaf} : \text{oak leaf} = \quad : \quad = \quad : \\
 \text{oak leaf} : \text{maple leaf} = \quad : \quad = \quad :
 \end{array}$$



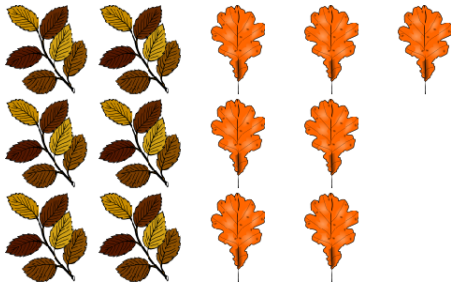
$$\begin{array}{l}
 \text{maple leaf} : \text{oak leaf} = \quad : \quad = \quad : \\
 \text{oak leaf} : \text{maple leaf} = \quad : \quad = \quad :
 \end{array}$$



$$\begin{array}{l}
 \text{tree} : \text{leaf} = \quad : \quad = \quad : \\
 \text{leaf} : \text{tree} = \quad : \quad = \quad :
 \end{array}$$

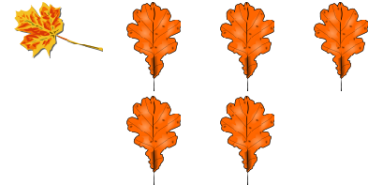
# Autumn Ratios (G) Answers

Find each ratio and simplify, if necessary.



$$\text{green leaves} : \text{orange leaves} = 6 : 7 = 6 : 7$$

$$\text{orange leaves} : \text{green leaves} = 7 : 6 = 7 : 6$$



$$\text{yellow leaf} : \text{orange leaves} = 1 : 5 = 1 : 5$$

$$\text{orange leaves} : \text{yellow leaf} = 5 : 1 = 5 : 1$$



$$\text{yellow leaf} : \text{orange leaves} = 1 : 2 = 1 : 2$$

$$\text{orange leaves} : \text{yellow leaf} = 2 : 1 = 2 : 1$$

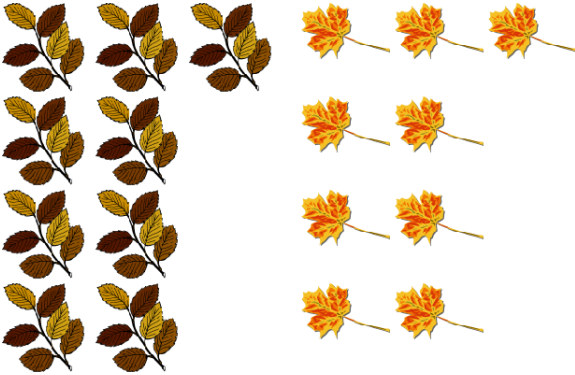


$$\text{yellow trees} : \text{green leaves} = 10 : 8 = 5 : 4$$

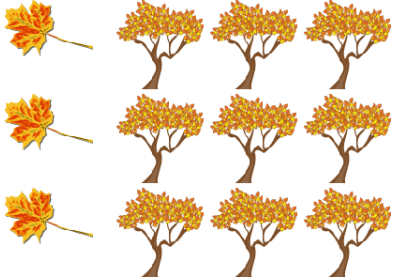
$$\text{green leaves} : \text{yellow trees} = 8 : 10 = 4 : 5$$

# Autumn Ratios (H)

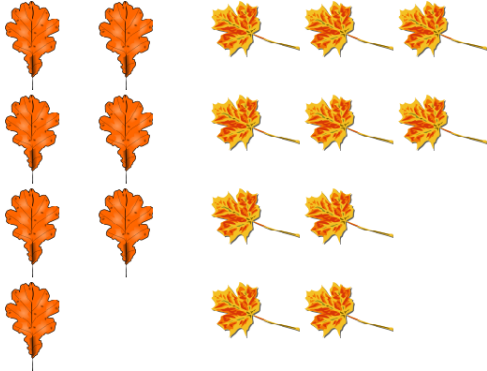
Find each ratio and simplify, if necessary.



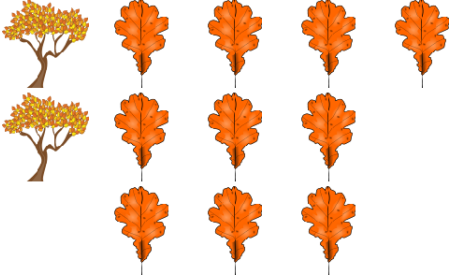
$$\begin{array}{l}
 \text{leaf} : \text{maple} = \quad : \quad = \quad : \\
 \text{maple} : \text{leaf} = \quad : \quad = \quad :
 \end{array}$$



$$\begin{array}{l}
 \text{maple} : \text{tree} = \quad : \quad = \quad : \\
 \text{tree} : \text{maple} = \quad : \quad = \quad :
 \end{array}$$



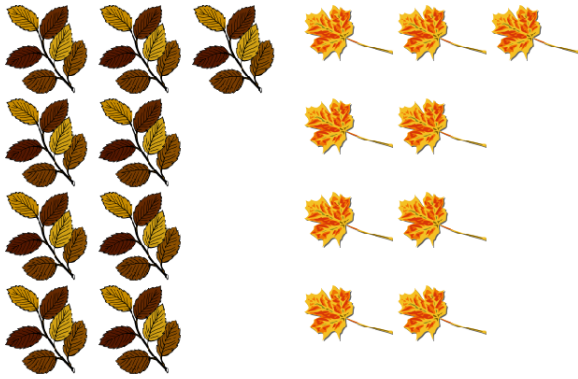
$$\begin{array}{l}
 \text{oak} : \text{maple} = \quad : \quad = \quad : \\
 \text{maple} : \text{oak} = \quad : \quad = \quad :
 \end{array}$$



$$\begin{array}{l}
 \text{tree} : \text{oak} = \quad : \quad = \quad : \\
 \text{oak} : \text{tree} = \quad : \quad = \quad :
 \end{array}$$

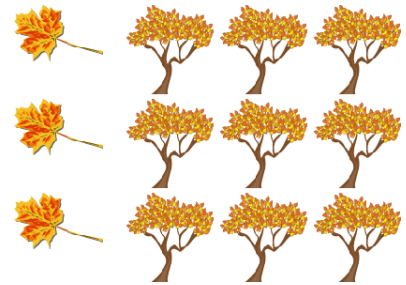
# Autumn Ratios (H) Answers

Find each ratio and simplify, if necessary.



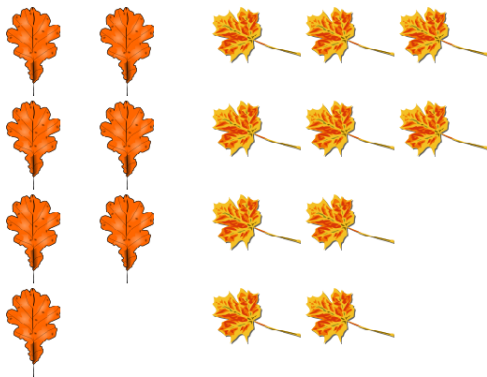
$$\text{dark green leaf} : \text{yellow maple leaf} = 9 : 9 = 1 : 1$$

$$\text{yellow maple leaf} : \text{dark green leaf} = 9 : 9 = 1 : 1$$



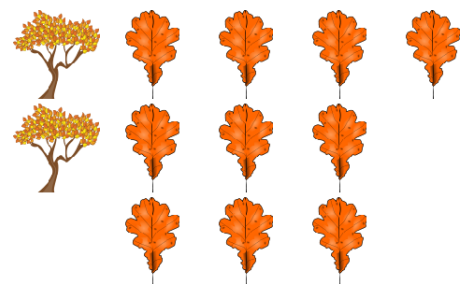
$$\text{yellow maple leaf} : \text{yellow tree} = 3 : 9 = 1 : 3$$

$$\text{yellow tree} : \text{yellow maple leaf} = 9 : 3 = 3 : 1$$



$$\text{oak leaf} : \text{yellow maple leaf} = 7 : 10 = 7 : 10$$

$$\text{yellow maple leaf} : \text{oak leaf} = 10 : 7 = 10 : 7$$



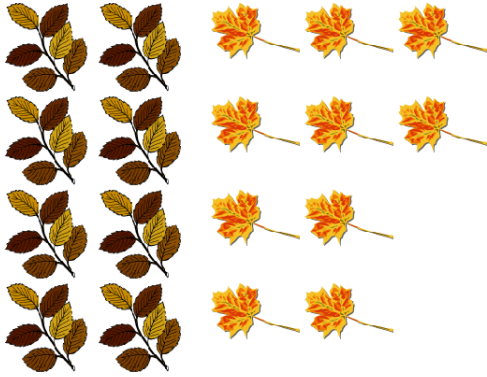
$$\text{yellow tree} : \text{oak leaf} = 2 : 10 = 1 : 5$$

$$\text{oak leaf} : \text{yellow tree} = 10 : 2 = 5 : 1$$

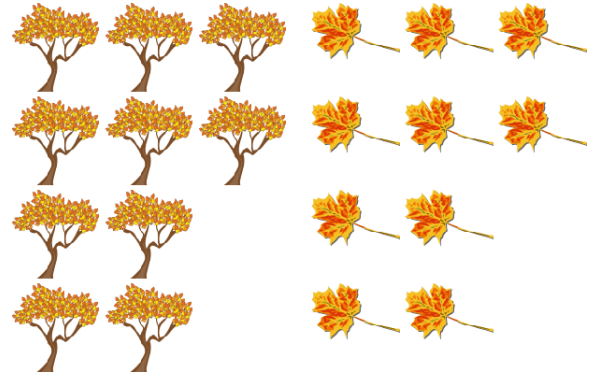


# Autumn Ratios (I)

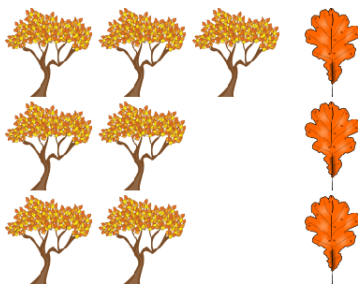
Find each ratio and simplify, if necessary.



$$\begin{aligned} \text{leaf} &: \text{yellow leaf} = \quad : \quad = \quad : \\ \text{yellow leaf} &: \text{leaf} = \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{tree} &: \text{yellow leaf} = \quad : \quad = \quad : \\ \text{yellow leaf} &: \text{tree} = \quad : \quad = \quad : \end{aligned}$$



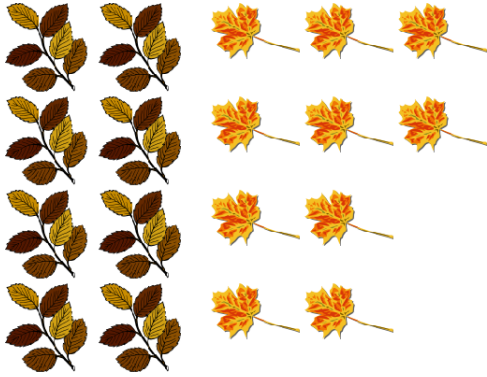
$$\begin{aligned} \text{yellow tree} &: \text{orange leaf} = \quad : \quad = \quad : \\ \text{orange leaf} &: \text{yellow tree} = \quad : \quad = \quad : \end{aligned}$$



$$\begin{aligned} \text{yellow tree} &: \text{green leaf} = \quad : \quad = \quad : \\ \text{green leaf} &: \text{yellow tree} = \quad : \quad = \quad : \end{aligned}$$

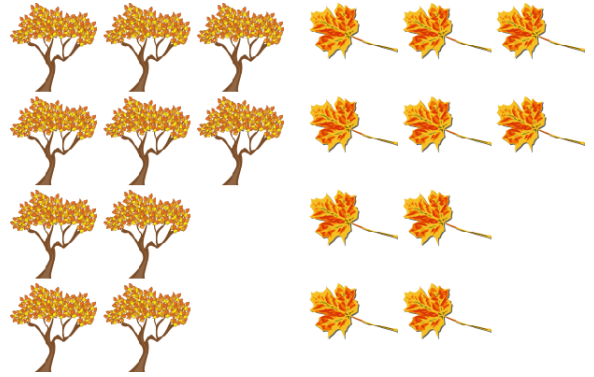
# Autumn Ratios (I) Answers

Find each ratio and simplify, if necessary.



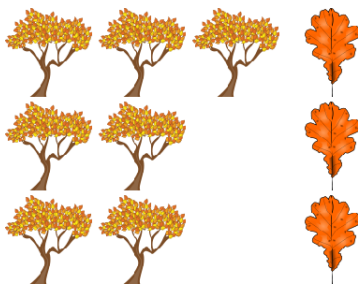
$$\text{leaf branch} : \text{maple leaf} = 8 : 10 = 4 : 5$$

$$\text{maple leaf} : \text{leaf branch} = 10 : 8 = 5 : 4$$



$$\text{tree} : \text{maple leaf} = 10 : 10 = 1 : 1$$

$$\text{maple leaf} : \text{tree} = 10 : 10 = 1 : 1$$



$$\text{tree} : \text{oak leaf} = 7 : 3 = 7 : 3$$

$$\text{oak leaf} : \text{tree} = 3 : 7 = 3 : 7$$

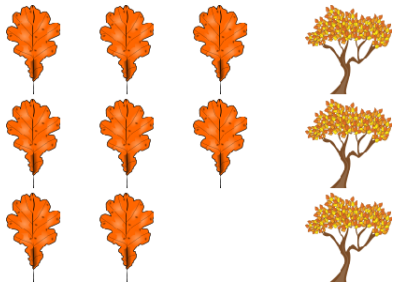


$$\text{tree} : \text{leaf branch} = 2 : 1 = 2 : 1$$

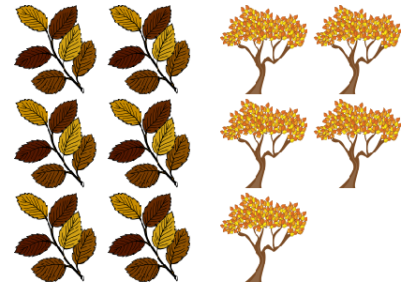
$$\text{leaf branch} : \text{tree} = 1 : 2 = 1 : 2$$

# Autumn Ratios (J)

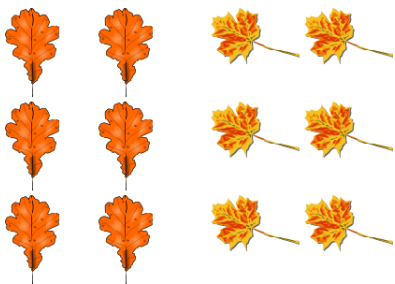
Find each ratio and simplify, if necessary.



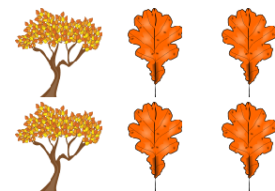
$$\begin{aligned} \text{leaf} : \text{tree} &= \quad : \quad = \quad : \quad \\ \text{tree} : \text{leaf} &= \quad : \quad = \quad : \quad \end{aligned}$$



$$\begin{aligned} \text{brown leaf} : \text{yellow tree} &= \quad : \quad = \quad : \quad \\ \text{yellow tree} : \text{brown leaf} &= \quad : \quad = \quad : \quad \end{aligned}$$



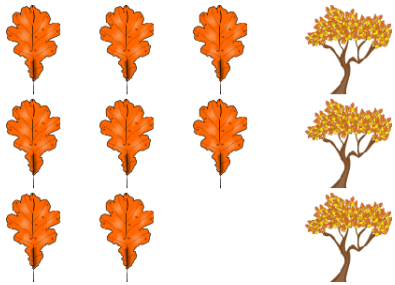
$$\begin{aligned} \text{orange leaf} : \text{yellow leaf} &= \quad : \quad = \quad : \quad \\ \text{yellow leaf} : \text{orange leaf} &= \quad : \quad = \quad : \quad \end{aligned}$$



$$\begin{aligned} \text{yellow tree} : \text{orange leaf} &= \quad : \quad = \quad : \quad \\ \text{orange leaf} : \text{yellow tree} &= \quad : \quad = \quad : \quad \end{aligned}$$

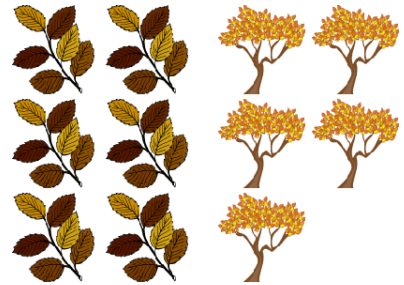
# Autumn Ratios (J) Answers

Find each ratio and simplify, if necessary.



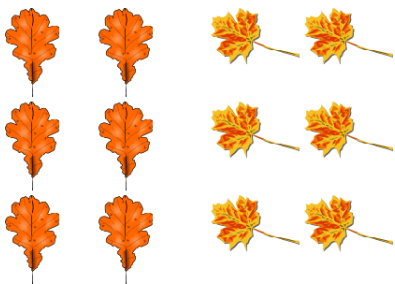
$$\text{leaf} : \text{tree} = 8 : 3 = 8 : 3$$

$$\text{tree} : \text{leaf} = 3 : 8 = 3 : 8$$



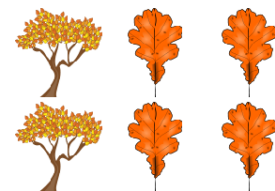
$$\text{leaf} : \text{tree} = 6 : 5 = 6 : 5$$

$$\text{tree} : \text{leaf} = 5 : 6 = 5 : 6$$



$$\text{leaf} : \text{tree} = 6 : 6 = 1 : 1$$

$$\text{tree} : \text{leaf} = 6 : 6 = 1 : 1$$



$$\text{tree} : \text{leaf} = 2 : 4 = 1 : 2$$

$$\text{leaf} : \text{tree} = 4 : 2 = 2 : 1$$