

Shape Algebra 3 Variables

Find the values of the shapes. The values are whole numbers.

$$\text{Blue Hexagon} + \text{Triangle} = 6$$

$$\text{Blue Hexagon} = \boxed{}$$

$$\text{Star} / \text{Triangle} = 1$$

$$\text{Star} = \boxed{}$$

$$\text{Star} + \text{Triangle} = 4$$

$$\text{Triangle} = \boxed{}$$

$$\text{Orange Hexagon} / \text{Grey Circle} = 3$$

$$\text{Orange Hexagon} = \boxed{}$$

$$\text{Orange Hexagon} - \text{Grey Circle} = 10$$

$$\text{Grey Circle} = \boxed{}$$

$$\text{Orange Hexagon} \cdot \text{Square} = 30$$

$$\text{Square} = \boxed{}$$

$$\text{Grey Pentagon} \cdot \text{Triangle} = 24$$

$$\text{Grey Pentagon} = \boxed{}$$

$$\text{Triangle} + \text{Yellow Star} = 12$$

$$\text{Yellow Star} = \boxed{}$$

$$\text{Grey Pentagon} - \text{Triangle} = 5$$

$$\text{Triangle} = \boxed{}$$

$$\text{Orange Hexagon} / \text{White Circle} = 2$$

$$\text{Orange Hexagon} = \boxed{}$$

$$\text{White Circle} \cdot \text{Orange Hexagon} = 18$$

$$\text{White Circle} = \boxed{}$$

$$\text{White Circle} \cdot \text{Pink Square} = \text{Orange Hexagon} + \text{Orange Hexagon}$$

$$\text{Pink Square} = \boxed{}$$

$$\text{Light Brown Circle} \cdot \text{Light Brown Circle} + \text{Light Blue Hexagon} = \text{Square}$$

$$\text{Light Brown Circle} = \boxed{}$$

$$\text{Light Brown Circle} + \text{Light Blue Hexagon} = 6$$

$$\text{Light Blue Hexagon} = \boxed{}$$

$$\text{Square} / \text{Light Blue Hexagon} = 2$$

$$\text{Square} = \boxed{}$$

Answers

Find the values of the shapes. The values are whole numbers.

$$\text{Blue Hexagon} + \text{Triangle} = 6$$

$$\text{Blue Hexagon} = 4$$

$$\text{Star} / \text{Triangle} = 1$$

$$\text{Star} = 2$$

$$\text{Star} + \text{Triangle} = 4$$

$$\text{Triangle} = 2$$

$$\text{Orange Hexagon} / \text{Grey Circle} = 3$$

$$\text{Orange Hexagon} = 15$$

$$\text{Orange Hexagon} - \text{Grey Circle} = 10$$

$$\text{Grey Circle} = 5$$

$$\text{Orange Hexagon} \cdot \text{White Square} = 30$$

$$\text{White Square} = 2$$

$$\text{Grey Pentagon} \cdot \text{Triangle} = 24$$

$$\text{Grey Pentagon} = 8$$

$$\text{Triangle} + \text{Yellow Star} = 12$$

$$\text{Yellow Star} = 9$$

$$\text{Grey Pentagon} - \text{Triangle} = 5$$

$$\text{Triangle} = 3$$

$$\text{Orange Hexagon} / \text{White Circle} = 2$$

$$\text{Orange Hexagon} = 6$$

$$\text{White Circle} \cdot \text{Orange Hexagon} = 18$$

$$\text{White Circle} = 3$$

$$\text{White Circle} \cdot \text{Pink Square} = \text{Orange Hexagon} + \text{Orange Hexagon}$$

$$\text{Pink Square} = 4$$

$$\text{Light Brown Circle} \cdot \text{Light Brown Circle} + \text{Light Blue Hexagon} = \text{White Square}$$

$$\text{Light Brown Circle} = 2$$

$$\text{Light Brown Circle} + \text{Light Blue Hexagon} = 6$$

$$\text{Light Blue Hexagon} = 4$$

$$\text{White Square} / \text{Light Blue Hexagon} = 2$$

$$\text{White Square} = 8$$