

Shape Algebra 3 Variables

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

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

$$\text{Hexagon} = \text{Box}$$

$$\text{Circle} \cdot \text{Hexagon} = 50$$

$$\text{Circle} = \text{Box}$$

$$\text{Circle} + \text{Square} = \text{Hexagon}$$

$$\text{Square} = \text{Box}$$

$$\text{Pentagon} \cdot \text{Triangle} = 10$$

$$\text{Pentagon} = \text{Box}$$

$$\text{Star} + \text{Pentagon} = 8$$

$$\text{Star} = \text{Box}$$

$$\text{Pentagon} - \text{Star} = \text{Triangle}$$

$$\text{Triangle} = \text{Box}$$

$$\text{Circle} + \text{Circle} - \text{Hexagon} = \text{Square}$$

$$\text{Circle} = \text{Box}$$

$$\text{Circle} \cdot \text{Hexagon} = 40$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Hexagon} / \text{Square} = 4$$

$$\text{Square} = \text{Box}$$

$$\text{Circle} / \text{Square} = 4$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Circle} - \text{Hexagon} = 6$$

$$\text{Circle} = \text{Box}$$

$$\text{Hexagon} \cdot \text{Square} = 18$$

$$\text{Square} = \text{Box}$$

$$\text{Pentagon} \cdot \text{Triangle} = \text{Star} + \text{Star}$$

$$\text{Pentagon} = \text{Box}$$

$$\text{Triangle} + \text{Star} = 20$$

$$\text{Star} = \text{Box}$$

$$\text{Pentagon} - \text{Triangle} = 4$$

$$\text{Triangle} = \text{Box}$$

Answers

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

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

$$\text{Hexagon} = 10$$

$$\text{Circle} \cdot \text{Hexagon} = 50$$

$$\text{Circle} = 5$$

$$\text{Circle} + \text{Square} = \text{Hexagon}$$

$$\text{Square} = 5$$

$$\text{Pentagon} \cdot \text{Triangle} = 10$$

$$\text{Pentagon} = 5$$

$$\text{Star} + \text{Pentagon} = 8$$

$$\text{Star} = 3$$

$$\text{Pentagon} - \text{Star} = \text{Triangle}$$

$$\text{Triangle} = 2$$

$$\text{Yellow Circle} + \text{Yellow Circle} - \text{Blue Hexagon} = \text{White Square}$$

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

$$\text{Yellow Circle} \cdot \text{Blue Hexagon} = 40$$

$$\text{Blue Hexagon} = 8$$

$$\text{Blue Hexagon} / \text{White Square} = 4$$

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

$$\text{Grey Circle} / \text{White Square} = 4$$

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

$$\text{Grey Circle} - \text{Orange Hexagon} = 6$$

$$\text{Grey Circle} = 12$$

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

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

$$\text{Green Pentagon} \cdot \text{White Triangle} = \text{Brown Star} + \text{Brown Star}$$

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

$$\text{White Triangle} + \text{Brown Star} = 20$$

$$\text{Brown Star} = 16$$

$$\text{Green Pentagon} - \text{White Triangle} = 4$$

$$\text{White Triangle} = 4$$