

Shape Algebra 3 Variables

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

$$\star + \triangle = 25$$

$$\text{hexagon} = \boxed{}$$

$$\star / \text{hexagon} = \triangle$$

$$\star = \boxed{}$$

$$\text{hexagon} + \triangle = 9$$

$$\triangle = \boxed{}$$

$$\circ \cdot \circ \cdot \text{hexagon} = \square$$

$$\circ = \boxed{}$$

$$\circ + \text{hexagon} = 6$$

$$\text{hexagon} = \boxed{}$$

$$\square / \text{hexagon} = 4$$

$$\square = \boxed{}$$

$$\text{pentagon} + \triangle = \star$$

$$\text{pentagon} = \boxed{}$$

$$\triangle \cdot \star = 33$$

$$\star = \boxed{}$$

$$\text{pentagon} - \triangle = 5$$

$$\triangle = \boxed{}$$

$$\text{hexagon} / \circ = 2$$

$$\text{hexagon} = \boxed{}$$

$$\circ \cdot \square = 27$$

$$\circ = \boxed{}$$

$$\circ + \text{hexagon} = \square$$

$$\square = \boxed{}$$

$$\text{hexagon} / \circ = \square$$

$$\text{hexagon} = \boxed{}$$

$$\text{hexagon} + \circ + \square = 23$$

$$\circ = \boxed{}$$

$$\square \cdot \text{hexagon} + \circ = 50$$

$$\square = \boxed{}$$

Answers

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

$$\star + \triangle = 25$$

$$\text{hexagon} = 4$$

$$\star / \text{hexagon} = \triangle$$

$$\star = 20$$

$$\text{hexagon} + \triangle = 9$$

$$\triangle = 5$$

$$\circ \cdot \circ \cdot \text{hexagon} = \square$$

$$\circ = 2$$

$$\circ + \text{hexagon} = 6$$

$$\text{hexagon} = 4$$

$$\square / \text{hexagon} = 4$$

$$\square = 16$$

$$\text{pentagon} + \triangle = \star$$

$$\text{pentagon} = 8$$

$$\triangle \cdot \star = 33$$

$$\star = 11$$

$$\text{pentagon} - \triangle = 5$$

$$\triangle = 3$$

$$\text{heptagon} / \circ = 2$$

$$\text{heptagon} = 6$$

$$\circ \cdot \square = 27$$

$$\circ = 3$$

$$\circ + \text{heptagon} = \square$$

$$\square = 9$$

$$\text{heptagon} / \circ = \square$$

$$\text{heptagon} = 15$$

$$\text{heptagon} + \circ + \square = 23$$

$$\circ = 5$$

$$\square \cdot \text{heptagon} + \circ = 50$$

$$\square = 3$$