Shape Algebra 3 Variables

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

☆ + △ = 25

☆ / ⬡(orange) = △

⬡(orange) + △ = 9

⬡(orange) = ⬭

☆ = ⬭

△ = ⬭

◯ · ◯ · ⬡(gray) = ☐

◯ + ⬡(gray) = 6

☐ / ⬡(gray) = 4

◯ = ⬭

⬡(gray) = ⬭

☐ = ⬭

⬠(green) + △ = ☆

△ · ☆ = 33

⬠(green) − △ = 5

⬠(green) = ⬭

☆ = ⬭

△ = ⬭

⬡(yellow-green) / ◯ = 2

◯ · ☐(blue) = 27

◯ + ⬡(yellow-green) = ☐(blue)

⬡(yellow-green) = ⬭

◯ = ⬭

☐(blue) = ⬭

⬡(yellow) / ◯ = ☐(gray)

⬡(yellow) + ◯ + ☐(gray) = 23

☐(gray) · ⬡(yellow) + ◯ = 50

⬡(yellow) = ⬭

◯ = ⬭

☐(gray) = ⬭

Answers

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

$\star + \triangle = 25$ ⬡ = 4

$\star / $ ⬡ $= \triangle$ $\star = 20$

⬡ $+ \triangle = 9$ $\triangle = 5$

$\bigcirc \cdot \bigcirc \cdot$ ⬡ $= \square$ $\bigcirc = 2$

$\bigcirc +$ ⬡ $= 6$ ⬡ $= 4$

$\square /$ ⬡ $= 4$ $\square = 16$

⬠ $+ \triangle = \star$ ⬠ $= 8$

$\triangle \cdot \star = 33$ $\star = 11$

⬠ $- \triangle = 5$ $\triangle = 3$

⬡ $/ \bigcirc = 2$ ⬡ $= 6$

$\bigcirc \cdot \square = 27$ $\bigcirc = 3$

$\bigcirc +$ ⬡ $= \square$ $\square = 9$

⬡ $/ \bigcirc = \square$ ⬡ $= 15$

⬡ $+ \bigcirc + \square = 23$ $\bigcirc = 5$

$\square \cdot$ ⬡ $+ \bigcirc = 50$ $\square = 3$