

Shape Algebra Boxes

Given the sums of each row and column, find the value of the shapes.

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| | | |
| | | |
| | | |

4

9

6

7

7

5

$$\star = \boxed{\quad}$$

$$\triangle = \boxed{\quad}$$

$$\circ = \boxed{\quad}$$

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| | | |
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| | | |

10

12

10

13

6

13

$$\square = \boxed{\quad}$$

$$\circ = \boxed{\quad}$$

$$\star = \boxed{\quad}$$

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| | | |
| | | |
| | | |

8

15

3

5

13

8

$$\square = \boxed{\quad}$$

$$\circ = \boxed{\quad}$$

$$\star = \boxed{\quad}$$

| | | |
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| | | |
| | | |
| | | |

9

1

9

8

1

10

$$\text{hex} = \boxed{\quad}$$

$$\triangle = \boxed{\quad}$$

$$\star = \boxed{\quad}$$

Answers

Given the sums of each row and column, find the value of the shapes.

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| | | |

7 7 5

4
9
6

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13 6 13

10
12
10

$$\begin{aligned}\star &= 2 \\ \triangle &= 1 \\ \text{circle} &= 3\end{aligned}$$

$$\begin{aligned}\square &= 2 \\ \star &= 5 \\ \text{circle} &= 6\end{aligned}$$

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5 13 8

8
15
3

| | | |
|--|--|--|
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| | | |
| | | |

8 1 10

9
1
9

$$\begin{aligned}\square &= 0 \\ \circ &= 5 \\ \star &= 3\end{aligned}$$

$$\begin{aligned}\text{hexagon} &= 0 \\ \star &= 1 \\ \triangle &= 8\end{aligned}$$