

Math Reasoning Puzzles

Each picture has a secret value. Work out the missing number.

Name: _____

$$\star + \star = 28$$

$$\star + \text{boat} = 31$$

$$\text{boat} = ?$$

$$\text{flower} + \text{flower} = 30$$

$$\text{flower} + \text{cloud} = 18$$

$$\text{cloud} = ?$$

$$\text{heart} + \text{heart} = 40$$

$$\text{heart} + \text{orange} = 23$$

$$\text{orange} = ?$$

$$\text{crescent} + \text{crescent} = 16$$

$$\text{crescent} + \text{flower} = 18$$

$$\text{flower} = ?$$

$$\text{butterfly} + \text{butterfly} = 2$$

$$\text{butterfly} + \text{peas} = 12$$

$$\text{peas} = ?$$

$$\text{apple} + \text{apple} = 4$$

$$\text{apple} + \text{oranges} = 4$$

$$\text{oranges} = ?$$

Math Reasoning Puzzles - Answer key

Ages 10-12

$$\star + \star = 28$$

$$\star + \text{sailboat} = 31$$

$$\text{sailboat} = 17$$

$$\text{flower} + \text{flower} = 30$$

$$\text{flower} + \text{cloud} = 18$$

$$\text{cloud} = 3$$

$$\text{heart} + \text{heart} = 40$$

$$\text{heart} + \text{orange} = 23$$

$$\text{orange} = 3$$

$$\text{crescent} + \text{crescent} = 16$$

$$\text{crescent} + \text{flower} = 18$$

$$\text{flower} = 10$$

$$\text{butterfly} + \text{butterfly} = 2$$

$$\text{butterfly} + \text{peas} = 12$$

$$\text{peas} = 11$$

$$\text{apple} + \text{apple} = 4$$

$$\text{apple} + \text{oranges} = 4$$

$$\text{oranges} = 2$$