

Starburst 2 – Grade 2

Addition and Logic Puzzles

Name: **KEY**

Graders: 25 points total. 2 points for each solution. Partial credit for answers can be given. Use your best judgement.

What is the value of all three fruits together?

$$\begin{aligned}\text{Apple} &= 7 \\ \text{Grapes} &= 5 + \text{Apple} \\ \text{Apple} &= 1 + \text{Banana} \\ \text{Apple} + \text{Grapes} + \text{Banana} &= ?\end{aligned}$$

** There are 3 Bananas here. **

Solution = 21

Banana = 2

Grapes = 12

Apple = 7

What is the sum of one coconut shell, one apple, and the bananas?

$$\begin{aligned}\text{Apple} + \text{Apple} + \text{Apple} &= 30 \\ \text{Apple} + \text{Bananas} + \text{Bananas} &= 18 \\ \text{Bananas} - \text{Coconut Shell} &= 2 \\ \text{Coconut Shell} + \text{Apple} + \text{Bananas} &= ??\end{aligned}$$

Solution = 15

Apple = 10

Bunch of bananas = 4

One coconut shell = 1

Joyce is making a fruit salad. She has 14 pieces of apple, 17 pieces of strawberries, 13 pieces of banana, and 6 pieces of kiwi. How many pieces does she have all together?

$$14 + 17 + 13 + 6 = 50$$

Solve for the solutions.

$$\text{Lion} + \text{Lion} + \text{Lion} = 9$$

$$\text{Giraffe} + \text{Lion} = 13$$

$$\text{Giraffe} - \text{Elephant} = 4$$

$$\text{Lion} + \text{Giraffe} + \text{Elephant} = ?$$

Solution = 19

Lion = 3

Giraffe = 6

Elephant = 6

$$\text{Bear} + \text{Bear} = 10$$

$$\text{Bear} + \text{Tiger} + \text{Tiger} = 17$$

$$\text{Tiger} + \text{Bear} = ?$$

Solution = 11

Bear = 5

Tiger = 6

A zoo has 2 tigers, 5 bears, 6 giraffes, 5 elephants, and 9 lions. How many animals do they have all together?

$$2 + 5 + 6 + 5 + 9 = 27$$

Solve for the solution.

$$\begin{array}{rcl} \text{Helicopter} + \text{Helicopter} & = & 8 \\ \text{Airplane} + \text{Boat} & = & 8 \\ \text{Helicopter} + \text{Airplane} & = & 10 \\ \text{Helicopter} + \text{Airplane} + \text{Boat} & = & ? \end{array}$$

Solution = 12

Helicopter = 4

Airplane = 6

Boat = 2

$$\begin{array}{rcl} \text{Car} + \text{Bike} & = & 7 \\ \text{Truck} + \text{Bike} & = & 6 \\ \text{Car} + \text{Bike} + \text{Truck} & = & 9 \\ \text{Car} = ? & \quad \quad & \text{Bike} = ? \quad \quad \text{Truck} = ? \end{array}$$

Car = 3

Bike = 4

Truck = 2

In the parking lot there are 13 cars, 9 bikes, and 18 trucks. How many are there all together?

$$13 + 9 + 18 = 40$$