

ALL ABOUT ALGEBRA

Session 5
Algebraic
puzzles
Part 1

ALL ABOUT ALGEBRA

Session 5: Algebra Puzzles Part 1



Practice section:

Find the value of each symbol

$$\text{Watermelon} + \text{Banana} + \text{Fries} = 32$$

$$\text{Banana} + \text{Banana} + \text{Fries} = 29$$

$$\text{Watermelon} + \text{Fries} + \text{Fries} = 34$$

Find the value of each symbol

$$\begin{array}{|c|c|c|c|} \hline \text{Blue Circle} & \text{Red Arrow} & \text{Blue Circle} & \text{Red Arrow} \\ \hline \end{array} = 54$$

$$\begin{array}{|c|} \hline \text{Red Arrow} \\ \hline \end{array} \quad \text{Blue Circle} = ?$$
$$\text{Red Arrow} = ?$$

$$\text{Blue Circle} = 39$$

Find the value of each symbol

$$\begin{array}{|c|c|c|c|} \hline \text{Green Circle} & \text{Green Circle} & \text{Blue Triangle} & \text{Yellow Star} \\ \hline \end{array} = 36$$

$$\begin{array}{|c|} \hline \text{Blue Triangle} \\ \hline \end{array} \quad \text{Blue Triangle} = ?$$
$$\begin{array}{|c|} \hline \text{Yellow Star} \\ \hline \end{array} \quad \text{Yellow Star} = ?$$
$$\begin{array}{|c|c|} \hline \text{Yellow Star} & \text{Yellow Star} \\ \hline \end{array} = 18$$
$$\text{Yellow Star} = 30$$

Find the value of each symbol

$$\text{Truck} + \text{Red Car} + \text{Yellow Car} = 38$$

$$\text{Truck} + \text{Red Car} + \text{Red Car} = 32$$

$$\text{Yellow Car} + \text{Red Car} + \text{Yellow Car} = 30$$

Have a go!

Find the value of each symbol

$$\text{Cloud with Lightning} + \text{Sun} + \text{Rainbow} = 27$$

$$\text{Cloud with Lightning} + \text{Sun} + \text{Cloud with Lightning} = 15$$

$$\text{Cloud with Lightning} + \text{Rainbow} + \text{Rainbow} = 33$$

Find the value of each symbol

$$\begin{array}{|c|c|c|c|} \hline \text{Purple Star} & \text{Blue Star} & \text{Blue Star} & \text{Purple Star} \\ \hline \end{array} = 70$$

$$\begin{array}{|c|} \hline \text{Blue Star} \\ \hline \end{array} \quad \text{Purple Star} = ?$$
$$\text{Blue Star} = ?$$
$$\text{Purple Star} = 55$$

Find the value of each symbol

$$\begin{array}{|c|c|c|c|} \hline \text{Elephant} & \text{Elephant} & \text{Sloth} & \text{Elephant} \\ \hline \end{array} = 38$$

$$\begin{array}{|c|} \hline \text{Sloth} \\ \hline \end{array} \quad \text{Sloth} = ?$$
$$\text{Elephant} = ?$$

$$\text{Sloth} = 31$$

Find the value of each symbol

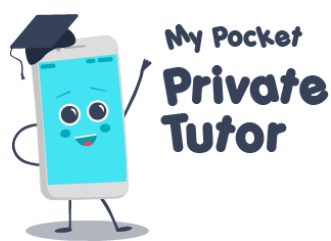
$$\begin{array}{|c|c|c|c|} \hline \text{Lightning Bolt} & \text{Purple Plus} & \text{Crescent Moon} & \text{Crescent Moon} \\ \hline \end{array} = 33$$

$$\begin{array}{|c|} \hline \text{Purple Plus} \\ \hline \end{array} \quad \text{Purple Plus} = ?$$
$$\begin{array}{|c|} \hline \text{Crescent Moon} \\ \hline \end{array} \quad \text{Crescent Moon} = ?$$
$$\begin{array}{|c|c|} \hline \text{Lightning Bolt} & \text{Lightning Bolt} \\ \hline \end{array} = 16$$
$$\text{Lightning Bolt} = 29$$

Find the value of each symbol

$$\begin{array}{|c|c|c|c|} \hline \text{Sun} & \text{Sun} & \text{Rainbow} & \text{Rainbow} \\ \hline \end{array} = 34$$

$$\begin{array}{|c|} \hline \text{Cloud} \\ \hline \end{array} \quad \text{Cloud} = ?$$
$$\begin{array}{|c|} \hline \text{Sun} \\ \hline \end{array} \quad \text{Sun} = ?$$
$$\begin{array}{|c|} \hline \text{Rainbow} \\ \hline \end{array} \quad \text{Rainbow} = ?$$
$$\begin{array}{|c|c|} \hline \text{Sun} & \text{Rainbow} \\ \hline \end{array} = 17$$
$$\text{Sun} = 40$$



ALL ABOUT ALGEBRA

Session 5: Answers



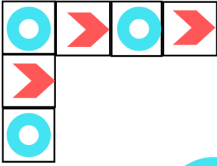
Answers

 = 12

 = 9

 = 11

ANSWERS

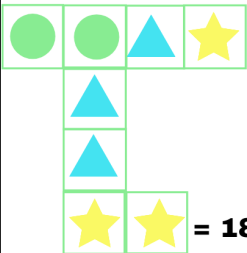
 = 54

 = 39

 = 12

 = 15

Answer

 = 36

 = 18

 = 30

 = 5

 = 11

 = 9

Answers

 = 20

 = 6

 = 12

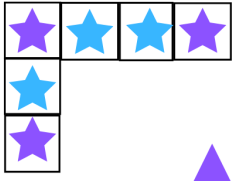
Answers

 = 3

 = 9

 = 15

Answers

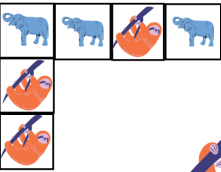
 = 70

 = 55

 = 20

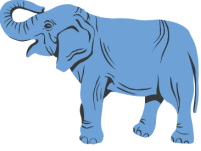
 = 15

Answer

 = 38

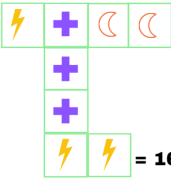
 = 31

 = 11

 = 9



Answer

 = 33

 = 16

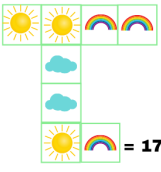
 = 29

 = 7

 = 9

 = 8

Answer

 = 34

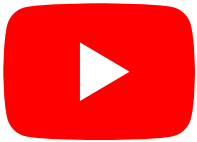
 = 17

 = 40

 = 4

 = 13

 = 7



My Pocket
Private
Tutor

