

Name: _____

7 SUPER FUN MATH LOGIC PUZZLES FOR KIDS!

Directions: Use your math skills and critical thinking to solve each of the following math riddles!

1.) PUZZLE ONE

$$\begin{array}{r} \text{Watermelon} + \text{Watermelon} + \text{Watermelon} = 36 \\ \text{Watermelon} + \text{Orange} + \text{Orange} = 28 \\ \text{Orange} - \text{Banana} = 3 \end{array}$$

$\text{Orange} = ? \quad \text{Watermelon} = ? \quad \text{Banana} = ?$

2.) PUZZLE TWO

$$\begin{array}{r} \text{Planet} + \text{Planet} + \text{Planet} = 21 \\ \text{Space Helmet} + \text{Planet} = \text{Space Shuttle} \\ \text{Planet} + \text{Space Helmet} = 11 \end{array}$$

$\text{Planet} = ? \quad \text{Space Helmet} = ? \quad \text{Space Shuttle} = ?$

3.) PUZZLE THREE

$$\begin{aligned} & \text{Yellow pot with 2 flowers} + \text{Yellow pot with 2 flowers} + \text{Purple pot with 3 leaves} = 51 \\ & \text{Yellow pot with 2 flowers} = \text{Purple pot with 3 leaves} \\ & \text{Purple pot with 3 leaves} \times \text{Hanging basket with 4 leaves} = 0 \end{aligned}$$




$\text{Yellow pot with 2 flowers} = ?$ $\text{Hanging basket with 4 leaves} = ?$ $\text{Purple pot with 3 leaves} = ?$




4.) PUZZLE FOUR



$$\begin{aligned} & \text{Burger} + \text{Drink with tomato} + \text{Tray of fries} = 58 \\ & 1 \times \text{Burger} = \text{Tray of fries} \\ & \text{Drink with tomato} \times \text{Drink with tomato} = 64 \end{aligned}$$




$\text{Burger} = ?$ $\text{Drink with tomato} = ?$ $\text{Tray of fries} = ?$

5.) PUZZLE FIVE




 \times  \times  = 216



 \div  = 



 \times  = 54




 = ?  = ?  = ?

6.) PUZZLE SIX

 +  =  + 3

 =  + 7

1 =  \div 

 = ?  = ?  = ?

7.) PUZZLE SEVEN

$$\begin{array}{ccccccc} \text{Cookie} & + & \text{Cake} & \times & \text{Cupcake} & = & 70 \\ 10 & - & \text{Cake} & = & \text{Cake} \\ \text{Cookie} & \div & \text{Cake} & = & 8 \end{array}$$

$\text{Cake} = ?$ $\text{Cookie} = ?$ $\text{Cupcake} = ?$

BONUS!

$$\begin{array}{ccccccc} \text{Bus} & + & \text{Bus} & + & \text{Bus} & = & 36 \\ \text{Dove} & + & \text{Heart} & + & \text{Dove} & = & 6 \\ \text{Bus} & + & \text{Bus} & + & \text{Dove} & = & 24 \end{array}$$

$\text{Bus} = ?$ $\text{Dove} = ?$ $\text{Heart} = ?$

ANSWER KEY:

1. Peach=8, Watermelon=12, Banana=5
2. Planet=7, Helmet=4, Rocket=11
3. Yellow Pot=17, Orange Pot=0, Purple Pot=17
4. Burger=25, Ketchup=8, French Fries=25
5. Playstation Controller=6, Gameboy=3, Switch Controller=18
6. Husky=10, Terrier=17, Poodle=10
7. Cake=5, Cookie=40, Cupcake=6

Bonus: Van=12, Dove=0, Heart=6



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Topics Include:

- logical thinking
- order of operations
- fractions and ratios
- decimals
- factoring
- function tables
- area models
- hundreds charts
- and much more!

