

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

Three equations involving watermelon slices, oranges, and a banana:

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

Below the equations, a light blue bar contains three items with question marks:

= ? = ? = ?

2.) PUZZLE TWO

Three equations involving planets, a space helmet, and a rocket:

$$\begin{aligned} \text{Planet} + \text{Planet} + \text{Planet} &= 21 \\ \text{Helmet} + \text{Planet} &= \text{Rocket} \\ \text{Planet} + \text{Helmet} &= 11 \end{aligned}$$

Below the equations, a light purple bar contains three items with question marks:

= ? = ? = ?

3.) PUZZLE THREE

$$\begin{aligned} & \text{Yellow pot with 2 flowers} + \text{Yellow pot with 2 flowers} + \text{Purple pot with 3 leaves} = 51 \\ & \text{Yellow pot with 2 flowers} = \text{Purple pot with 3 leaves} \\ & \text{Purple pot with 3 leaves} \times \text{Basket of green plants} = 0 \end{aligned}$$

$\text{Yellow pot with 2 flowers} = ?$ $\text{Basket of green plants} = ?$ $\text{Purple pot with 3 leaves} = ?$

4.) PUZZLE FOUR

$$\begin{aligned} & \text{Burger} + \text{Drink} + \text{Fries} = 58 \\ & 1 \times \text{Burger} = \text{Fries} \\ & \text{Drink} \times \text{Drink} = 64 \end{aligned}$$

$\text{Burger} = ?$ $\text{Drink} = ?$ $\text{Fries} = ?$

5.) PUZZLE FIVE

$$\begin{aligned} \text{Controller} \times \text{Controller} \times \text{Controller} &= 216 \\ \text{Switch} \div \text{Game Boy Advance} &= \text{Controller} \\ \text{Game Boy Advance} \times \text{Switch} &= 54 \end{aligned}$$

$\text{Controller} = ?$ $\text{Game Boy Advance} = ?$ $\text{Switch} = ?$

6.) PUZZLE SIX

$$\begin{aligned} \text{Dog 1} + \text{Dog 2} &= \text{Dog 3} + 3 \\ \text{Dog 3} &= \text{Dog 1} + 7 \\ 1 &= \text{Dog 2} \div \text{Dog 1} \end{aligned}$$

$\text{Dog 1} = ?$ $\text{Dog 3} = ?$ $\text{Dog 2} = ?$

7.) PUZZLE SEVEN

$\text{Cookie} + \text{Cake} \times \text{Cupcake} = 70$

$10 - \text{Cake} = \text{Cake}$

$\text{Cookie} \div \text{Cake} = 8$

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

BONUS!

$3 \times \text{Bus} = 36$

$\text{Dove} + \text{Heart} + \text{Dove} = 6$

$2 \times \text{Bus} + \text{Dove} = 24$

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

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!

