

Algebra Logic Puzzles

Math Logic Puzzle #1:

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

$$\text{Watermelon} + \text{Orange} + \text{Orange} = 28$$

$$\text{Orange} - \text{Banana} = 3$$

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

Math Logic Puzzle #2:

$$3 \times \text{Planet} = 21$$

$$\text{Planet} + \text{Rocket} = \text{Space Station}$$

$$\text{Planet} + \text{Rocket} = 11$$

$$\text{Planet} = ? \quad \text{Rocket} = ? \quad \text{Space Station} = ?$$

Math Logic Puzzle #3:

$$3 \times \text{Potted Plant} = 51$$

$$\text{Potted Plant} = \text{Basket of Plants}$$

$$\text{Potted Plant} \times \text{Basket of Plants} = 0$$

$$\text{Potted Plant} = ? \quad \text{Basket of Plants} = ? \quad \text{Potted Plant} = ?$$

Math Logic Puzzle #4:

$$\text{Burger} + \text{Bottle} + \text{Fries} = 58$$

$$1 \times \text{Burger} = \text{Fries}$$

$$\text{Bottle} \times \text{Bottle} = 64$$

$$\text{Burger} = ? \quad \text{Bottle} = ? \quad \text{Fries} = ?$$

Math Logic Puzzle #5:

$$3 \times \text{Controller} \times \text{Controller} = 216$$

$$\text{Console} \div \text{Console} = \text{Controller}$$

$$\text{Console} \times \text{Console} = 54$$

$$\text{Controller} = ? \quad \text{Console} = ? \quad \text{Console} = ?$$

Math Logic Puzzle #6:

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

$$\text{Dog 3} = \text{Dog 1} + 7$$

$$1 = \text{Dog 2} \div \text{Dog 1}$$

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

Math Logic Puzzle #7:

$$\text{Cookie} + \text{Cake} \times \text{Ice Cream} = 70$$

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

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

$$\text{Cake} = ? \quad \text{Cookie} = ? \quad \text{Ice Cream} = ?$$

Math Logic Puzzle Bonus!

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

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

$$\text{Bus} + \text{Bus} + \text{Bird} = 24$$

$$\text{Bus} = ? \quad \text{Bird} = ? \quad \text{Heart} = ?$$

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**