


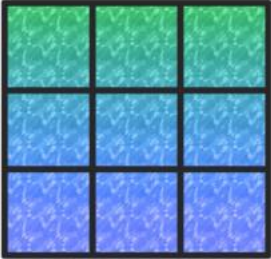
# Maths – Riddles 1-3

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

## 1.) TRUTH OR SQUARE?

 #1

How many total squares are there?



## 2.) HOW OLD IS LUCY?


 #2

When Lisa was 6 years old, her sister Lucy was half her age.


If Lisa is 40 years old today, how old is Lucy?



## 3.) TRIPLE THREAT

 #3

What are three different whole numbers whose sum AND product are equal?


$$A + B + C = D$$
$$A \times B \times C = D$$


# Maths – Riddles 4-6

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

## 4.) MATCHSTICK MAYHEM

Hint: This puzzle has more than one solution!



A matchstick puzzle showing the equation  $6 + 4 = 4$ . The number 6 is formed by 6 matchsticks, the plus sign by 2, the first 4 by 4, the equals sign by 2, and the second 4 by 4. A pink lightning bolt icon with the number #4 is in the top left corner.

How can you make the equation true by moving **ONLY ONE** matchstick?


## 5.) THE INBETWEEN



A riddle featuring the numbers 7 and 8 on a blue shelf. Between them are a pink flower in a blue pot, a green cactus in a yellow pot, and a blue pot with two green plants. A pink lightning bolt icon with the number #5 is in the top left corner.

What can you put between a 7 and an 8 so that the result is **GREATER THAN 7**, but **LESS THAN 8**?

## 6.) WHICH WEIGHS MORE?



A riddle showing two scales. The left scale has three soda bottles on it. The right scale has a gold bar on it. A pink lightning bolt icon with the number #6 is in the top left corner.

Which weighs more:  
sixteen ounces of soda or a pound of solid gold?

# Maths – Riddles 7-9

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


## 7.) BIG SPENDER!

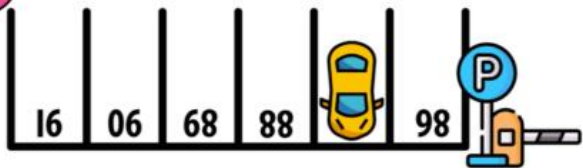
 #7

The total cost of a pair of shoes and a hoodie is \$150.  
The hoodie costs \$100 more than the pair of shoes does.  
How much does each item cost?



## 8.) MYSTERY PARKING!

 #8



What is the number of the parking spot occupied by the car in the diagram above?

## 9.) CUPPLA' COINS

 #9


You have two U.S. coins whose total value is \$0.30.  
One of them is NOT a nickel!  
What are the two coins?




# Maths – Riddles 10-11

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


10.) PASCAL'S TRIANGLE

 #10


What is the value of the missing number in the diagram?



11) BONUS!

 BONUS!

What numbers are being covered up?



## Riddle Answers:

1.) 14 Total Squares 2.) Lucy is 37 3.) 1, 2, and 3 4.)  $0 + 4 = 4$  or  $5 + 4 = 9$  5.) A Decimal Point 6.) Neither! They both way the same. 7.) The hoodie costs \$125 and the shoes cost \$25 8.) 87 (flip the diagram upside down) 9.) One quarter and one nickel 10.) ? = 6 Bonus) 1, 5, 10, 10, 5, 1