



# Bell Ringer

February 6, 2012

Each letter from A through H has one of the eight values listed, and no two letters have the same value. Determine which number goes with each letter to make the equations true.

1 7 8 9  
11 17 20 28

$$A + H = E$$

$$C + G = D$$

$$H + F = A$$

$$B + A = D$$

$$E + C = B$$



# Bell Ringer

February 6, 2012

**Answer**

**Answer:**

A	B	C	D	E	F	G	H
8	20	11	28	9	7	17	1

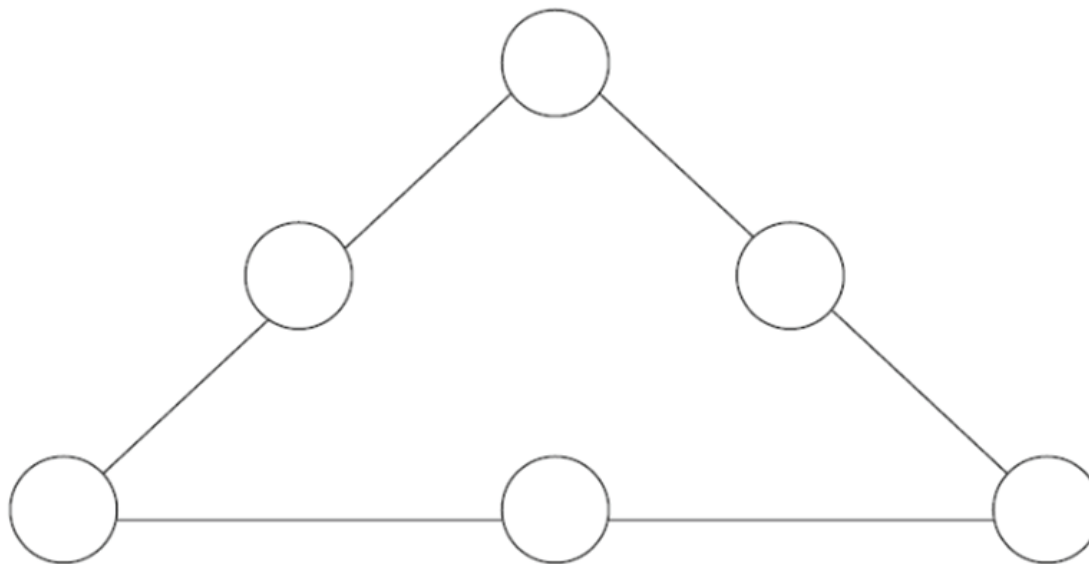
Start by determining from the equations that D has the highest value.



# Bell Ringer

February 7, 2012

Directions: Place the numbers 1, 2, 3, 4, 5, and 6 in the circles below so that the sum of the numbers is 9 in all directions. Use each number only once.

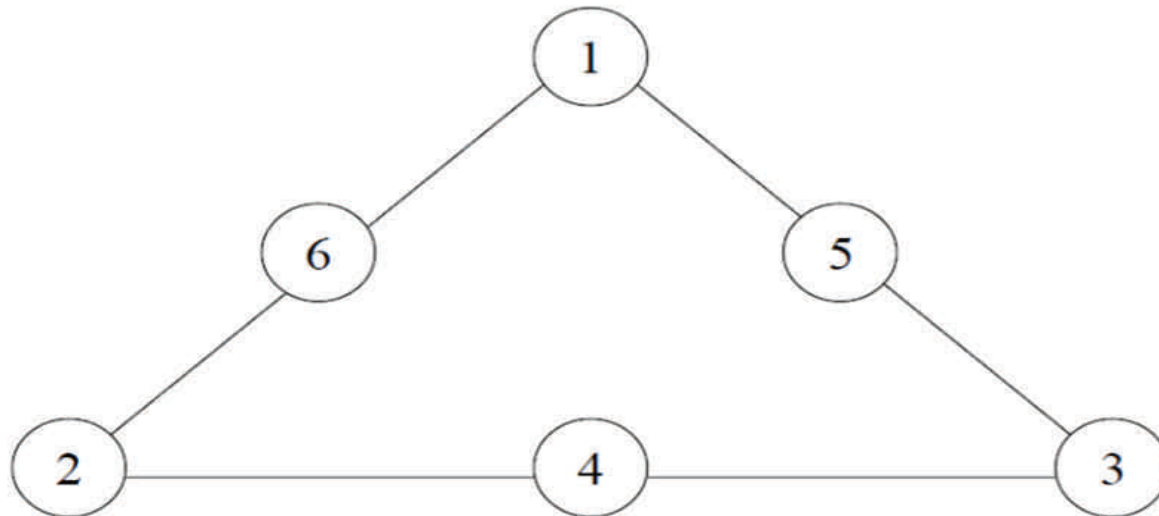




# Bell Ringer

February 7, 2012

Directions: Place the numbers 1, 2, 3, 4, 5, and 6 in the circles below so that the sum of the numbers is 9 in all directions. Use each number only once.



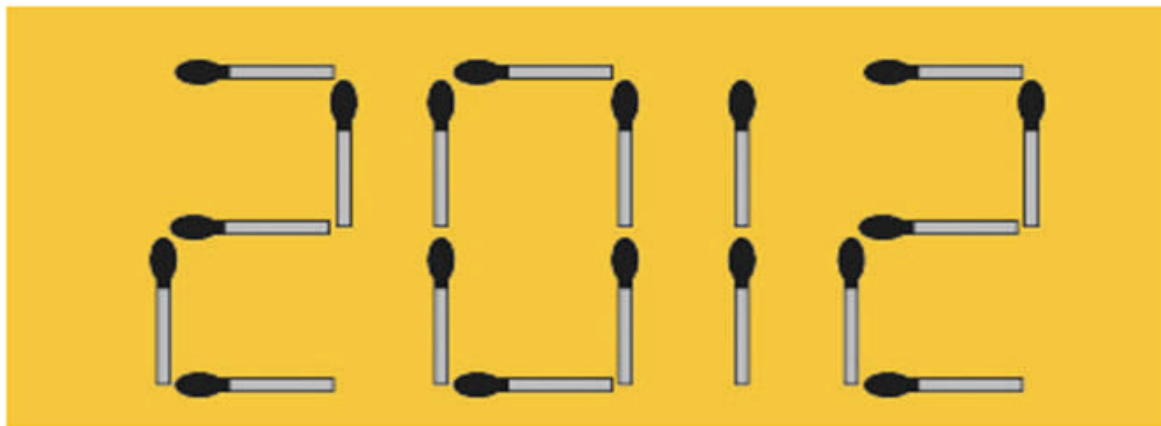


# Bell Ringer

February 8, 2012

## *HAPPY NEW YEAR*

How many different four-digit “digital” years can you make from these matchsticks by moving any one matchstick? After forming a number, always reset to 2012 before forming another number. Can you find the eight years that we found?





## Bell Ringer

February 8, 2012

### *HAPPY NEW YEAR*

**H**ow many different four-digit “digital” years can you make from these matchsticks by moving any one matchstick? After forming a number, always reset to 2012 before forming another number. Can you find the eight

**Answer:** 2013, 3012, 2612, 2912—and, if you turn the page upside-down before making your move, 2103, 2162, 2192, 3102! Incidentally, 2012 upside-down is 2102, but this doesn’t involve moving a matchstick.



# Bell Ringer

February 9, 2012

## *ALL KINGS DAY*

Each word, name, or phrase clued below contains the consecutive letters K-I-N-G. Can you name all of these people, places, and things?

1. What Alice went through
2. London residence built in 1703
3. Theme park with an area called Fantasyland
4. Group with the hit "Tom Dooley"
5. Harper Lee's only published novel
6. NFL team



## Bell Ringer

February 9, 2012

1. What Alice went through *Looking Glass*
2. London residence built in 1703 *Buckingham Palace*
3. Theme park with an area called Fantasyland *Magic Kingdom*
4. Group with the hit "Tom Dooley" *The Kingston Trio*
5. Harper Lee's only published novel *To Kill a Mockingbird*
6. NFL team *Minnesota Vikings*





Bell Ringer  
February 10, 2012

**What two whole numbers fit the following description?**

The square of the first number, plus the second number, equals 14.

The square of the second number, plus the first number, equals 28.



Bell Ringer  
February 10, 2012

**What two whole numbers fit the following description?**

The square of the first number, plus the second number, equals 14.

The square of the second number, plus the first number, equals 28.

**Answer: 3 and 5**