

Brain Teasers Set C II

Name _____ Turn your page over to record your answer if needed.

Triangle Patterns 2

Find the pattern for the triangles to work out what belongs in the blank.



Answer Key 11

Same Digits

Use the symbols #, =, < or > and the numbers to do the following. An example is given to show you what you do.

EXAMPLE: Make five twos equal forty-four

Answer: $22 + 2 + 2 + 2 + 2 = 44$

- Make six fours equal thirty-one.
- Make six eights equal sixty-one.
- Make six nines equal 1.
- Make seven sevens equal 20.

Answer Key 23

How Old?

Oldy Black's age this year is a multiple of 7. His age next year will be a multiple of 5.

If he is under 100 years old, how old could he be?

HINT: There are three possible solutions. Can you find all of them?

Answer Key 55

Letter Numbers

In this problem, letters are used to represent numbers. The same letter must always represent the same number. How many possible solutions can you find?

$$\begin{array}{r} SSS \\ + K \\ \hline HHH \end{array}$$

Answer Key 22

Pa's Painting

Pa is painting a picture. She is only going to use two different colors in her picture.

She can choose from 6 colors - red, green, pink, orange, black and yellow.

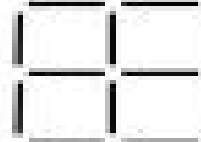
How many possible color combinations could she choose from?



Answer Key 41

Squares and Sticks 2

Twelve sticks have been set out to make these squares.



Can you make 3 squares by moving just 3 sticks?

Answer Key 55