

(b) Recreational Activities.

↓ Are things people do for fun and enjoyment.  
 Playing games or participating in club are examples of recreational activities → This term can refer to any game, puzzle or activity that teaches math skills.

Experience shows that Basic Principles of Learning maths. can be made easier through mathematical fun, activities and games. If maths can be turned into a game it can become child's play.

Not all problems in this field require a knowledge of advanced mathematics, and thus, Recreational mathematics often attracts the curiosity of non-mathematicians and inspire their further study of maths.

This includes - logic puzzles & other puzzles that require deductive Reasoning, the aesthetics of maths.

↓ means  
 Beauty  
Some activities are as follows.

Mathematical Games -

are multiplayer games whose Rule, Strategies and outcomes can be studied and explained by mathematics. Games develop power of Thinking & Reasoning.

# Number Games.

## (a) Magic Square.

5	10	10
10	5	10
10	10	5

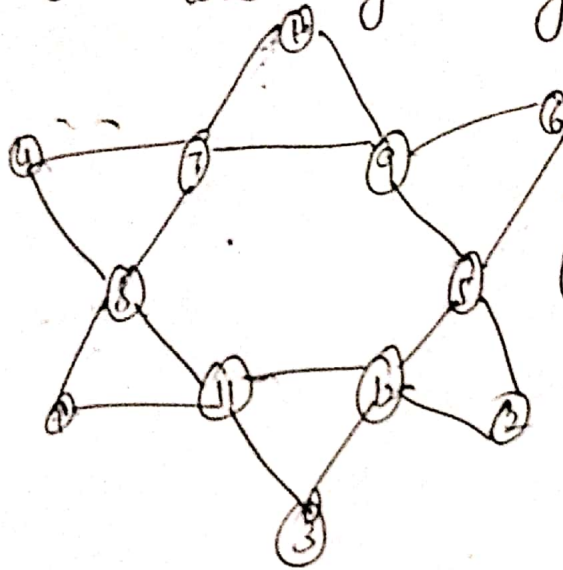
Sum = 25.

3x3 Magic Square

3-Column.

3-Rows.

Similarly, we can make Magic Triangle, Magic Stars.



Sum = 26

Puzzles → are also called Brain-teasers. Solution of

Puzzles Motivate the students to learn mathematics.

eg. \* If the no. 5, 10, 15, 20 --- 1000 are multiplied all together, How many zeros will be at the end digits of answer

\* Can you write 10 by using five different.

$$5 + \frac{55}{55}, \quad 9 + \frac{99}{99}, \quad \frac{99}{9} - \frac{9}{9}, \quad \left(9 + \frac{9}{9}\right) \left(\frac{9}{9}\right)$$

## Mathematical Riddles

Q. What can Travel around the world ~~the~~ while staying in a corner

Ans - Stamp.

A Riddle is a statement which has a secret meaning.

Eg- What is Greater than God,  
More evil than the devil,  
the poor have it,  
the Rich need it  
and if you eat it, you will die?

Ans - Nothing.

Give Answers

What has many keys but can't open a single lock.

Ans - ?

What tastes better than it smells.

Ans - ?

I am an odd no.. Take away a letter and I become even. What no. am I?

Ans -

What goes through cities and fields, but never moves?

Ans - ?