

SUBJECT: MATHS

BOOK NAME: EXCEL IN MATHEMATICS 3

CLASS: 3

DATE: 26TH MAY 2020 TO 29th MAY 2020

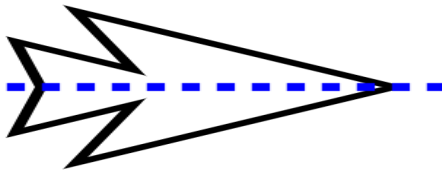
ASSIGNMENT 6

HELLO CHILDREN, IN THIS ASSIGNMENT WE WILL LEARN ABOUT

LESSON 6 - (SYMMETRY AND PATTERN).

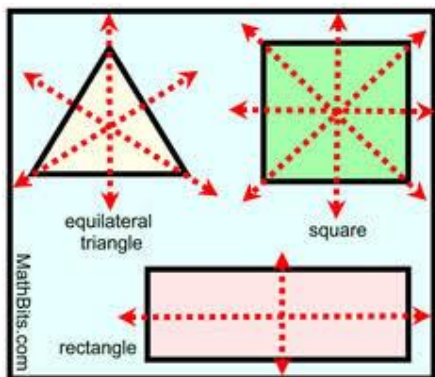
SYMMETRY.

- The word symmetry means allowing an object to be divided into equal (identical) parts such that one part overlaps the other part.
- The line which divides the picture into two identical halves is called the line of symmetry.



Lines of symmetry

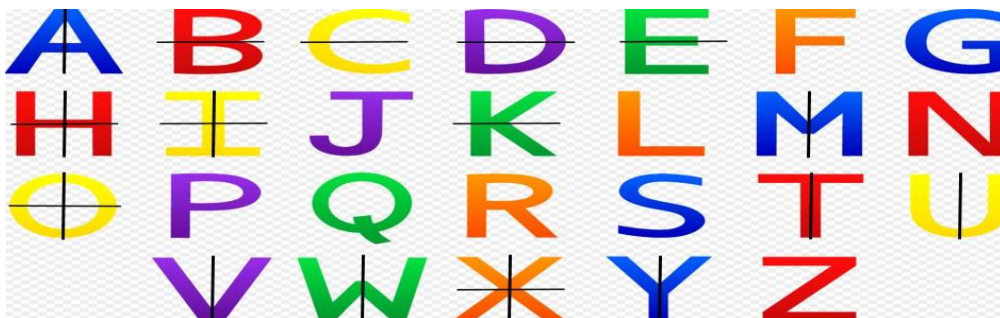
- A rectangle has two lines of symmetry.
- A circle has infinite lines of symmetry.
- A square has four lines of symmetry.
- An equilateral triangle has three lines of symmetry.



SYMMETRY IN LETTERS.

There are some alphabets in English which are having symmetrical lines.

Ex: A B C D E H I K M O T U V W X Y.

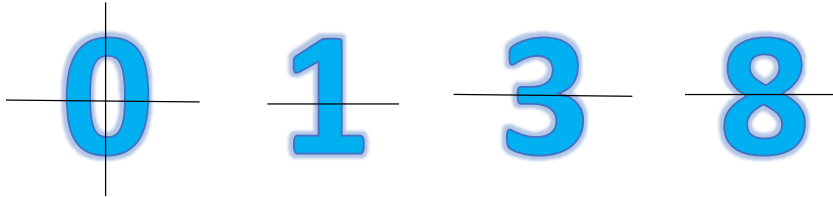


- The letters having horizontal line of symmetry are: B C D E K
- The letters having vertical line of symmetry are: A M T U V W Y.
- The letters having both lines of symmetry are: H I O X

SYMMETRY IN NUMBERS


There are only four digits which are having symmetrical lines. (0-9)

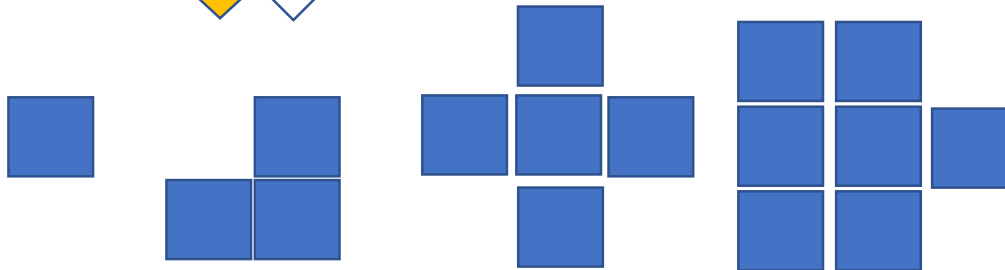
0 1 3 and 8.




PATTERNS: A pattern consist of a series of figures or numbers that are arranged in some order or repeat themselves based on some rule.



Here,  → This pattern is repeating itself.



Here,   --Two square are increasing each time.



Patterns are seen everywhere around us , like on clothes ,walls , floors, and even in nature.

We can forms patterns through

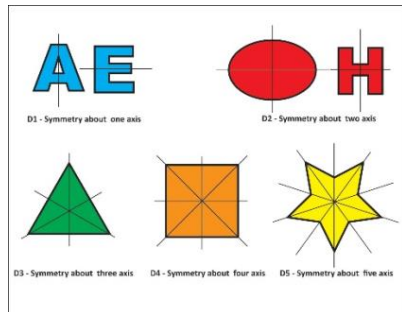
- Geometrical shapes
- Numbers
- Alphabets
- Repetition
- Clockwise movement
- Anticlockwise movement

Let's do some exercise.

Q 1 Complete the pattern

- a.  _____
- b. AB CD EF _____
- c. 100 200 300 400 _____
- d. 5 10 15 20 _____
- e.  _____

Q 2. FIND THE LINES OF SYMMETRY



- A. _____
- B. _____
- C. _____
- D. _____
- E. _____







Q 3.

Let's Share Knowledge

Geometric Patterns
WORKSHEET#5

Identify if each of the following is a geometric pattern or not.







1.

YES

NO







2.

YES

NO







3.

YES

NO







4.

YES

NO







5.

YES

NO

6.

YES

NO

Please log in to www.lets-share-knowledge.com for more worksheets

NOTE: PRACTICE EXERCISE 6.1 , 6.2 AND 6.3 IN YOUR MATHS BOOK.