

**PANCHSHEEL PUBLIC SCHOOL**



***CURIOUS MINDS - III***

***TERM - 1***



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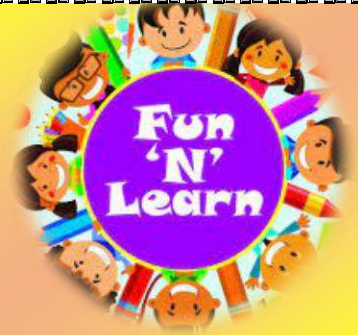
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# FUN TO LEARN

# ANAGRAMS

Anagrams are words or phrases that are formed by reordering the letters of other words or phrases. In other words it is rearrangement of letters of one word or phrase to form another word or phrase.

Eg: An Anagram of 'How', is 'who'

acres	- cares, races, scare	admirer	- married
angered	- enraged	creative	- reactive
danger	- garden, ranged	deductions	- discounted
evil	- vile	flow	- fowl, wolf
least	- slate, stale, steal, tales	listen	- silent
nameless	- salesman	paternal	- parental
resistance	- ancestries	earth	- hater, heart
mars	- arms, rams		

## AMAZING FACTS

## THE FUNNIEST ANAGRAMS

SCHOOL MASTER - THE CLASS ROOM. VIOLENCE - NICE LOVE

MOTHER-IN-LAW - WOMAN HITLER

## TEST YOUR KNOWLEDGE

MAKE ANAGRAMS OF THE FOLLOWING WORDS, YOU MAY FIND A COUNTRY NAME

- |           |          |           |
|-----------|----------|-----------|
| 1. PANEL  | 4. ENEMY | 7. REIGN  |
| 2. CHAIN  | 5. LAITY | 8. UNSAD  |
| 3. SERIAL | 6. ERECT | 9. SPRUCY |

# ***RIDDLES***

**WHAT BEGINS WITH 'T'  
ENDS WITH 'T' AND  
IS FULL OF 'T'**

**NAME THE WORD WHICH  
IS BOTH A GAME AND  
AN INSECT**

# INCREDIBLE INVENTIONS



HI KIDS!!

We use various tools in our daily life.

Do you know who invented them.

## PNEUMATIC TYRE

JOHN BOYD DUNLOP



## SAFETY RAZOR

KING C. GILLETTE

HENRY JACQUES GAISMAN

# AEROPLANE

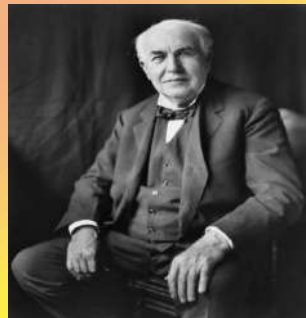
WRIGHT BROTHERS



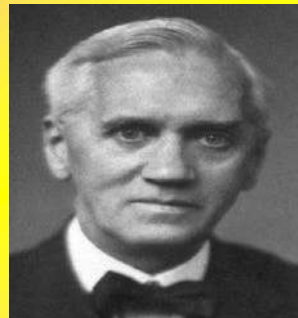
## SCIENTISTS AND INVENTIONS



**MARY CURIE**  
RADIUM AND POLONIUM



**THOMAS ALVA EDISON**  
ELECTRIC BULB



**ALEXANDER FLEMING**  
PENCILLIN



**GUGLIELMO MARCONI**  
RADIO

## AMAZING FACTS

- The first mobile phone available was released in 1983, and it was called the DynaTAC 8000x.
- The largest tyre in the world is 80 feet long and weighs around 10,886 kg.
- Albert Einstein is regarded as the 'Father of Modern Physics'.
- Alfred Nobel invented dynamite. He never intended to be identified as a propagator of violence. So, he made his last will and donated all his wealth to Institute the Nobel Prize.
- In 1817 a German professor, Baron Karl von Drais, , created the first two wheeled bicycle. It was made of wood and had two two wheels.
- Many modern items use LED light including traffic lights, TVs, and vehicles. These lights are chosen because they are small in size, easy to maintain, durable and have the ability to direct light in one direction.

- The average working lifespan of incandescent bulbs that are used in the home is 1000 hours. An LED light, however, can last up to 25,000 hours or more.



## TEST YOUR KNOWLEDGE

### Inventions

1. Aeroplane
2. Bicycle
3. Fountain Pen
4. Electric Bulb
5. Telephone
6. Car
7. Radio
8. Radium
9. Penicillin
10. Safety Razor
11. Television
12. Tyre

### Inventors

- a) Macmillan
- b) Wright Brothers
- c) Thomas Alva Edison
- d) Waterman
- e) Karl Benz
- f) Marconi
- g) Alexander Graham Bell
- h) Madam Curie
- i) Gillette
- j) John Logie Baird
- k) Alexander Fleming
- l) Dunlop

## TIME AND CALENDAR

### TIME:

In our day to day life, we use watch/clock to see the time. Figure below shows the face of a clock.



We can see there are 12 numbers starting from 1 to 12. We can see there are 5 short divisions between any two consecutive numbers. So, in total we have 60 short divisions. Each short division corresponds to one minute.

Every clock has two hands as shown in above figure. The short hand is known as hour hand and the long hand is known as minute hand. The minute hand takes 1 hour to complete one complete rotation. In other word, we can say that minute hand takes 60 minutes to complete one rotation.

So, 60 minutes = 1 hour

Hour hand takes 12 hours to complete one full rotation. Since there are 24 hours in a day, the hour hand completes 2 rotations in a day.



There are some clocks which have additional hand, it is called seconds hand. It completes one round in 1 minute.

So, 60 seconds = 1 minutes

We have clocks to keep track of hours, minutes and seconds.



## TIME FACTS

- 60 seconds = 1 minute
- 60 minutes = 1 hour
- 24 hours = 1 day
- 365 days = 1 year
- 12 months = 1 year
- 10 years = 1 decade
- 100 years = 1 century
- 1000 years = 1 millenium

### CALENDAR:

But how do we keep track of days, weeks and months?

We use calendars.

A calendar is a chart or set of pages that lists the days and months of a year, in an organized way.

This is a calendar:

January						
SUN	MON	TUE	WED	THUR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February						
SUN	MON	TUE	WED	THUR	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March						
SUN	MON	TUE	WED	THUR	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April						
SUN	MON	TUE	WED	THUR	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May						
SUN	MON	TUE	WED	THUR	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June						
SUN	MON	TUE	WED	THUR	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
SUN	MON	TUE	WED	THUR	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August						
SUN	MON	TUE	WED	THUR	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September						
SUN	MON	TUE	WED	THUR	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October						
SUN	MON	TUE	WED	THUR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
SUN	MON	TUE	WED	THUR	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December						
SUN	MON	TUE	WED	THUR	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## AMAZING FACTS

1. There are total 31,536,000 seconds in a year.
2. The universe is 13.7 billion years old.
3. There are 13 months in an International Fixed Calendar.
4. The leap year was invented by Julius Caesar in 46 BC.
5. Over a billion years ago, a day on Earth lasted around 18 hours.
6. Ghanta Ghar is the India's oldest clock.

# Test your knowledge

1. Which instrument is used to check the time?
2. How many days are there in a year?
3. How many hours are taken by an hour hand to complete one round?
4. What is the time taken by a minute hand to move from one number to the next number?
5. How many rounds does the hour-hand complete in a day?
6. How many rounds does the minute-hand complete in a day?
7. Fill in the blanks:
  - (i)..... is the first month of the year.
  - (ii) A year has ..... months.
  - (iii) A week has ..... days.
  - (iv) Ordinarily a month has ..... days.
  - (v) ..... is the month having the fewest number of days.
  - (vi) There are ..... months having 31 days and ..... months having 30 days.
  - (vii) December is the ..... month of the year.
  - (viii) Monday is the ..... day of a week.
  - (ix) The sixth day of the week is ..... .
  - (x) The 7th month of the year is ..... .
8. What will be the time:
  - (i) 3 hours after 10 a.m.
  - (ii) 3 hours after 10 p.m.
9. Which one is the shortest hand: 'hour hand' or 'minute hand' or 'second hand'?
10. Which hand complete one round first; 'hour hand' or 'minute hand'?

## HARDWARE AND SOFTWARE

A computer system is divided into two categories Hardware and Software. hardware refers to the physical and visible components of the system such as a monitor, CPU, keyboard and mouse. Software on the other hand refer to set of instructions which enable the hardware to perform a specific set of tasks.



## AMAZING FACTS

- \* When we enter data into a computer, it calculates or compares the data to give some meaningful information. This is known as processing.
- \*The parts of a computer that can be touched are its hardware.
- \*The part of a computer that cannot be touched is called software.
- \*Fugaku supercomputer is the world's fastest computer. ...
- \*Google uses 1,000 computers in 0.2 seconds. ...
- \* The first-ever computer had a weight of over 27 Tons. ...
- \* The QWERTY keyboard was created to let people type more quickly. ...
- \*The first mouse was made from wood!

## DIFFERENCE BETWEEN HARDWARE AND SOFTWARE

Hardware	Software
<p>Hardware is further divided into four main categories:</p> <ul style="list-style-type: none"><li>• Input Devices</li><li>• Output Devices</li><li>• Secondary Storage Devices</li><li>• Internal Components</li></ul>	<p>Software is further divided into two main categories:</p> <ul style="list-style-type: none"><li>• Application Software</li><li>• System Software</li></ul>
<p>Developed using electronic and other materials</p>	<p>Developed writing using instructions using a programming language</p>
<p>When damaged, it can be replaced with a new component</p>	<p>When damaged it can be installed once more using a backup copy</p>
<p>Hardware is physical in nature and hence one can touch and</p>	<p>The software cannot be physically touched but still can be</p>

# TEST YOUR KNOWLEDGE

Unscramble the words

1. NAITIVURS - \_\_\_\_\_
2. HADRAWER - \_\_\_\_\_
3. IMRCPOOHEN - \_\_\_\_\_
4. STOGRAE - \_\_\_\_\_
5. TNERIRP - \_\_\_\_\_

2. Fill in the blanks:

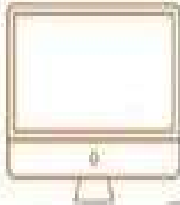
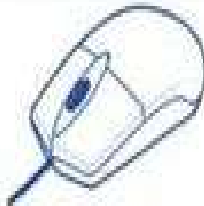

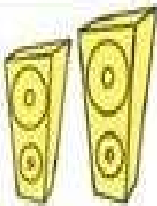
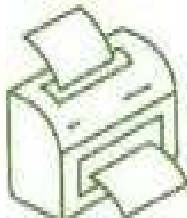
- 1) The \_\_\_\_\_ is a hardware that looks like a TV screen. (Monitor/ Printer)
- 2) A \_\_\_\_\_ is used to record sound on the computer. (Microphone/ storage)
- 3) CD stands for \_\_\_\_\_. (Compact Disk/ Hard Disk)

3. Write name of the following pictures in the box given.



Monitor	DVD	Printer	CPU	Mouse pad
Web camera	Keyboard	Speaker	USB	
Headphones	Mouse			

.. Complete the table:

	Name of the device	Input/Output
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

## FAMOUS CRICKETERS IN INDIA

### PART-1



Ravishankar Jayadritha Shastri is an Indian cricket commentator, Former player, and former head coach of the Indian national cricket team. In his playing years, he played for the Indian national cricket team between 1981 and 1992 in both Tests and ODIs. Though he started his career as a left-arm spin bowler, he later transformed into a batting all-rounder.

Kapil Dev was the Indian team Captain at the time of their first Cricket World Cup win in 1983. Also, he was India's national cricket coach between October 1999 and August 2000. He held a record for the greatest number of wickets taken and retired in 1994.



Rahul Sharad Dravid is a former Indian cricketer and current head coach of the Indian cricket team. He was famous for his great batsman skills and is regarded as one the greatest and best batsmen in the history of cricket. His total score runs in International Cricket are nearly 25000.



Sourav Chandidas Ganguly, also called Dada (meaning “elder brother” in Bengali), is a former Indian cricketer and captain of the Indian national team. He also served as a BCCI president. His playing career has seen an extreme rise as he established himself as one of the world’s leading batsmen and also one of the greatest captains of the national cricket team.



Virat Kohli is the former captain of the India national team. With top records on his plate, he is regarded as one of the best batsmen in the world. He plays for Royal Challengers Bangalore in the Indian Premier League (IPL). Virat Kohli has made 74 centuries and 7 double centuries in international cricket—27 centuries, 7 double centuries in Test cricket, 46 centuries in One Day Internationals (ODIs), and 1 century in T20I (as of January 2023).

#### All-time best cricketer in India

Sachin Tendulkar is arguably the greatest cricketer to ever grace the sport of cricket. And like his career on field, he is also a winner off it. Tendulkar boasts of a massive 38.8 million follower on Instagram.

In a career spanning over 22 years, he has amassed scores of records. These include the highest number of centuries in both Tests (51) and ODIs (49), playing the highest number of Test matches (200) and ODI matches, was the highest run scorer of the 1996 Cricket World Cup and many more.



# TEST YOUR KNOWLEDGE

ANSWER THE FOLLOWING QUESTIONS IN ONE WORD OR SENTENCE

1. When did Kapil Dev retired from Cricket?  
.....
2. When did India won the First Cricket World Cup?  
.....
3. Who was captain of Indian Cricket at that time?  
.....
4. As a former player, what were some of Ravishankar Jayadratha Shastri's most memorable performances in both Test matches and ODIs?  
.....  
.....
5. How is Virat Kohli perceived in the world of cricket?  
.....
6. Which team does Virat Kohli play for in the Indian Premier League (IPL)?  
.....
7. How many centuries has Virat Kohli scored in international cricket?  
.....
8. Who is the current head coach of the Indian Cricket team?  
.....

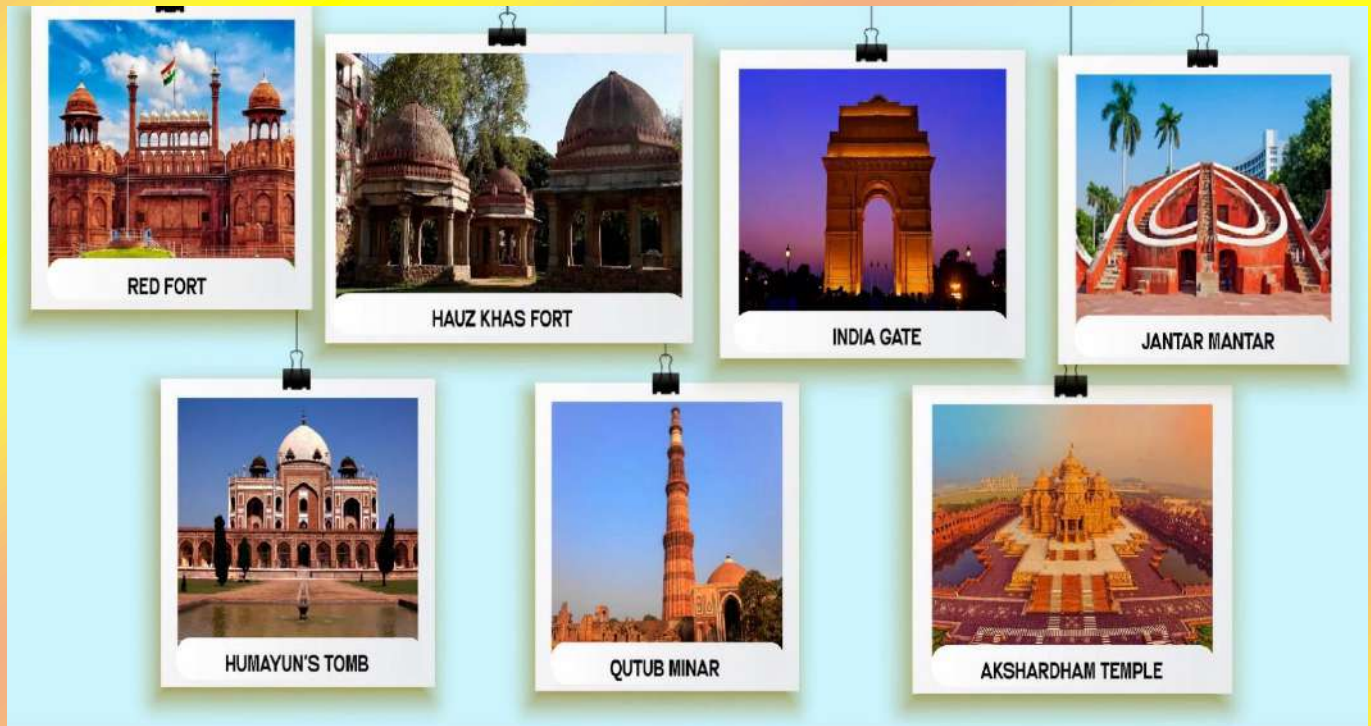
# NEW DELHI

## CAPITAL OF INDIA

Delhi is called the National Capital Territory of Delhi (NCT). New Delhi is the capital of India. This metropolitan city is located on the banks of river Yamuna. Delhi was first built by Pandava kings. This city was called Indraprastha.



**Delhi has many places worth visiting. These include the Red Fort and Qutb Minar, Iron pillar Mehrauli, Humayun's Tomb, Old Fort, Lotus Temple, Birla Mandir, Jantar Mantar, Akshardham Temple and many other monuments. Rajghat is the samadhi of Mahatama Gandhi, the father of the Nation.**



**People from all the States of India live and work in Delhi. Almost all the festivals of India are celebrated in Delhi. The most important ones are the Independence Day, the Republic Day, Holi, Diwali, Dusshera, Lohri, Eid, Gurupurav, Pongal, Onam and others. Our capital is a Confluence of 'Unity in diversity'.**



## AMAZING FACTS

- Delhi and New Delhi are not the same places. New Delhi is a city and the official capital of India.
- Delhi is the second most populated city in the world
- Delhi is home to the tallest brick minaret in the world
- Delhi is home to the only Bahai Temple in Asia
- Delhi is famous for its city gates. City rulers constructed 14 gates from the 8th-century to the 20th-century. Out of the 14 gates, just five gates remain. The Lahori Gate faces Lahore in Pakistan. The Delhi Gate is the pathway to earlier cities in the state. The Ajmeri Gate faces Ajmer in Rajasthan The Kashmiri Gate faces north to Kashmir. The Turkman Gate got its religious name from Saint Hazrat Shah Turkman.

## TEST YOUR KNOWLEDGE

- 1. Full form of NCT \_\_\_\_\_
- 2. Old name of Delhi is \_\_\_\_\_
- 3. Name some tourist places of Delhi \_\_\_\_\_
- 4. Rajghat is the samadhi of \_\_\_\_\_
- 5. Delhi is on the bank of \_\_\_\_\_
- 6. Delhi was first built by \_\_\_\_\_
- 7. Father of Nation is \_\_\_\_\_
- 8. Name some festivals that are celebrated in Delhi \_\_\_\_\_.



PANCHSHEEL PUBLIC SCHOOL

# CURIOUS MINDS



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