



# Aakash

Medical | IIT-JEE | Foundations

# KNOWLEDGE BYTES

MAY 2025

CLASS 10





# Aakash

Medical | IIT-JEE | Foundations

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# PREFACE

## What is Knowledge Bytes ?

Knowledge Bytes is a collection of riddles, interesting facts, mnemonics, and puzzles that will make your learning fun and engaging.

We want you to be delighted about studying. Knowledge Bytes helps you to know more about the subject in a fun, motivating and educational way and helps to implement what you learn in a creative way.

### Benefits



Saves Time



Develops Learning Skills



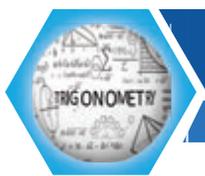
Stimulates Interest



Leads to Increased Comprehension

## EXPLORE

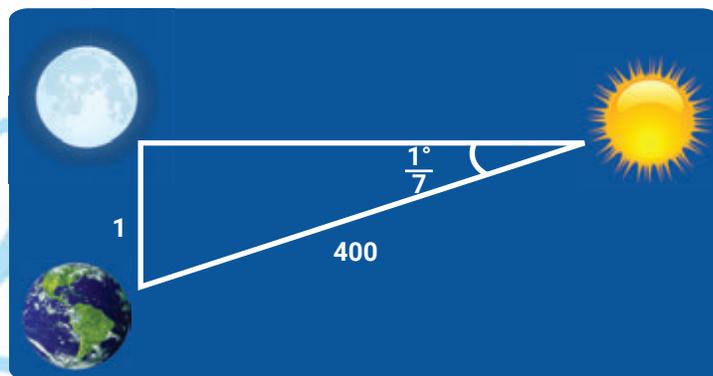
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# Introduction to Trigonometry

## Interesting Fact

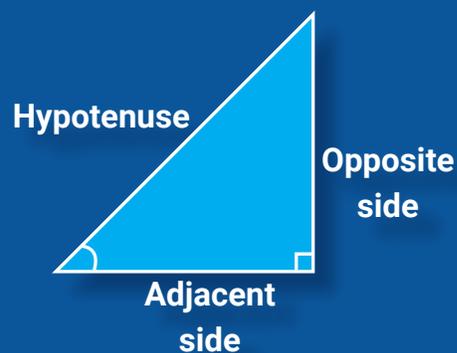
Indian trigonometry tables showed that an angle of  $\frac{1^\circ}{7}$  which indicates triangle sides with a ratio of 400 : 1, meaning that the earth is 400 times farther away from the sun than the moon.



## Mnemonics

The formulas for right- triangle trigonometric functions are :

<b>S</b> ine of an angle	=	$\frac{\text{O}pposite\ side}{\text{H}ypotenuse}$
<b>C</b> osine of an angle	=	$\frac{\text{A}djacent\ side}{\text{H}ypotenuse}$
<b>T</b> angent of an angle	=	$\frac{\text{O}pposite\ side}{\text{A}djacent\ side}$



**SOH – CAH – TOA**

Other funny ways :

Some Old Hippy Caught Another Hippy Tipping On Acid

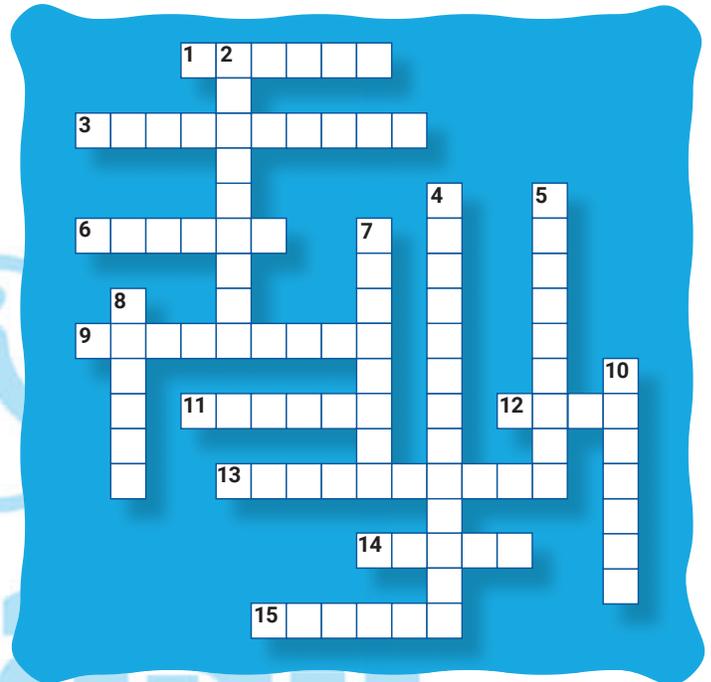
Some Old Horse Caught Another Horse Taking Oats Away.



# Crossword

## Across

1. A unit of measurement of an angle in a circular system. [6]
3. A circle with a unit radius. [4, 6]
6. In a right triangle : hypotenuse over adjacent side is equal to \_\_\_\_\_ of angle. [6]
9. Mnemonics for sine, cosine and tangent of an angle in a right angled triangle. [9]
11. A unit of measurement of angle in sexagesimal system. [6]
12. Side opposite to given angle divided by hypotenuse results \_\_\_\_\_ of angle. [4]
13. The side of a right triangle opposite the right angle. [10]
14. A unit of measurement of angle in centesimal system. [5]
15.  $\pi/2$  radians in degrees. [6]



## Down

2. Distance between an arc's end points along the path of the circle. [3, 6]
4. Two angles whose sum is 90 degrees. [13]
5. Move \_\_\_\_\_ from the positive x-axis to measure a negative angle. [9]
7. Side next to an angle but not the hypotenuse in a right triangle. [8]
8. Adjacent side to the angle divided by the hypotenuse results \_\_\_\_\_ of given angle. [6]
10. There is 360 \_\_\_\_\_ in one rotation of the unit circle. [7]



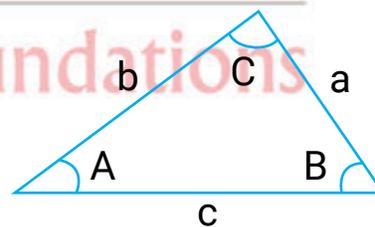
# The Law of Cosines

- 1 In trigonometry, the law of cosines is also known as **Cosine Formula**.
- 2 These rules relate the lengths of the sides of a triangle with cosine of any of its angle.
- 3 With the help of cosine rule, we can calculate the length of the side of a triangle or we can find the measure of the angle between the sides.

## Law of Cosines

As per the diagram a, b and c are lengths of sides of triangle, Cosine rules are as follows:

- $a^2 = b^2 + c^2 - 2bc \cos A$
- $b^2 = a^2 + c^2 - 2ac \cos B$
- $c^2 = a^2 + b^2 - 2ab \cos C$

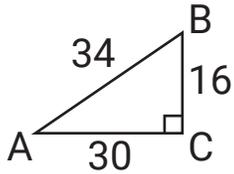


**?** Scientists in Mumbai are trying to figure out the distance of a satellite from Delhi. They know that the satellite is 800 kms from Mumbai at an angle of elevation of  $60^\circ$ , and Mumbai and Delhi, in a straight line from one another, are 1200 kms apart. How far is the satellite from Delhi? (Using cosine formula)

# Trigonometry Maze

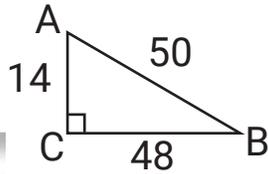
**START**

Find sin B



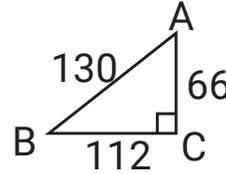
$$\frac{15}{17}$$

Find cos A



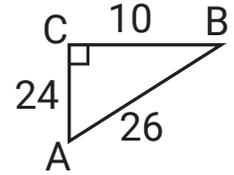
$$\frac{24}{25}$$

Find tan A



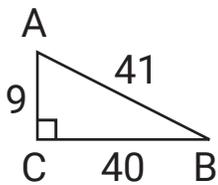
$$\frac{35}{37}$$

Find cos B



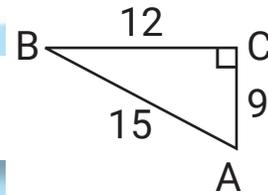
$$\frac{8}{15}$$

Find tan A



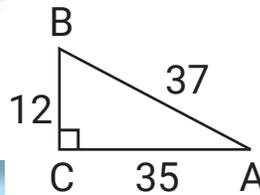
$$\frac{9}{41}$$

Find tan B



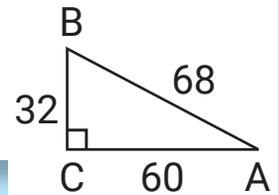
$$\frac{4}{3}$$

Find cos B



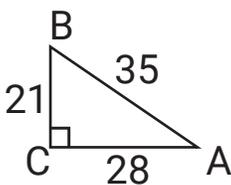
$$\frac{12}{35}$$

Find sin A



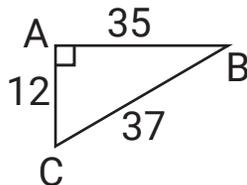
$$\frac{55}{73}$$

Find sin B



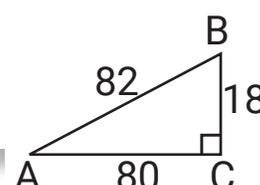
$$\frac{4}{5}$$

Find cos C



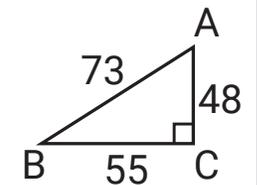
$$\frac{8}{17}$$

Find cos A



$$\frac{9}{41}$$

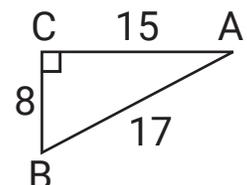
Find sin B



$$\frac{48}{73}$$

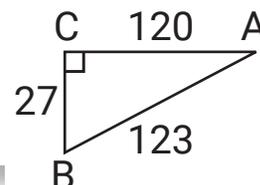
**END**

Find sin A



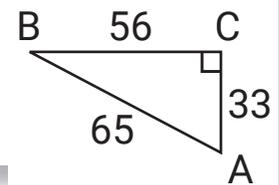
$$\frac{8}{15}$$

Find tan A



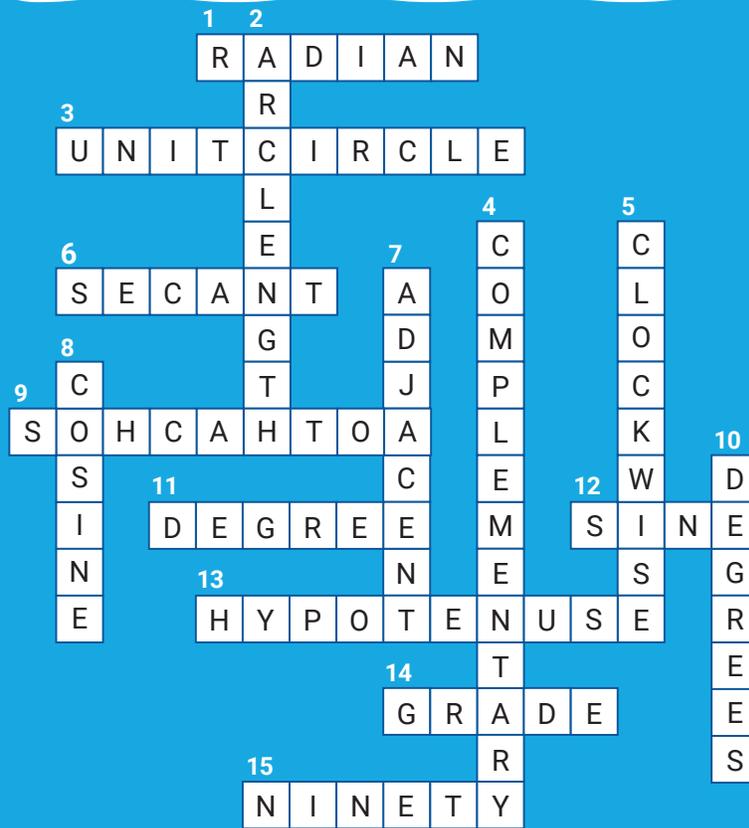
$$\frac{9}{40}$$

Find tan A



$$\frac{56}{33}$$

## Answer (Crossword)

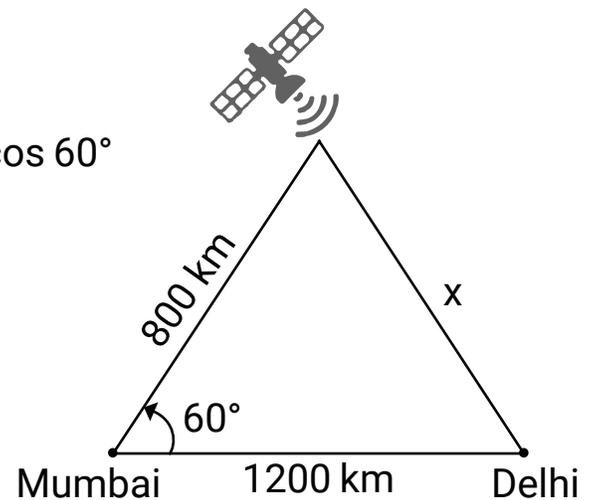


**Sol.:-** Using cosine formula,

$$x^2 = (1200)^2 + (800)^2 - 2 \times 1200 \times 800 \times \cos 60^\circ$$

$$\Rightarrow x = 400\sqrt{7} \text{ kms}$$

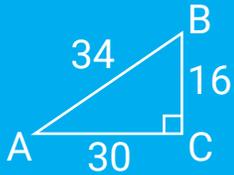
Hence, the distance between satellite & Delhi is  $400\sqrt{7}$  kms.



# Answer (Trigonometry Maze)

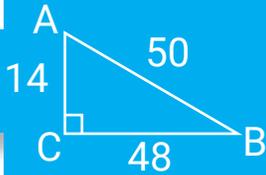
**START**

Find sin B



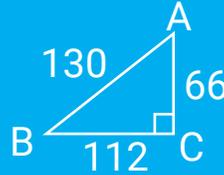
$$\frac{7}{25}$$

Find cos A



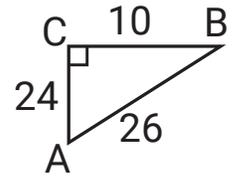
$$\frac{56}{33}$$

Find tan A



$$\frac{33}{56}$$

Find cos B



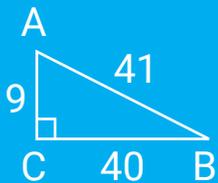
$$\frac{8}{15}$$

$$\frac{15}{17}$$

$$\frac{24}{25}$$

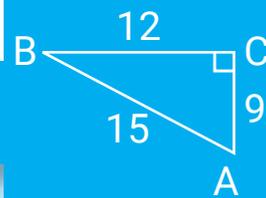
$$\frac{35}{37}$$

Find tan A



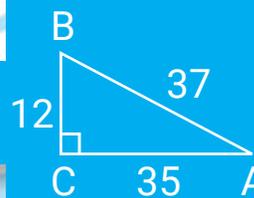
$$\frac{40}{9}$$

Find tan B



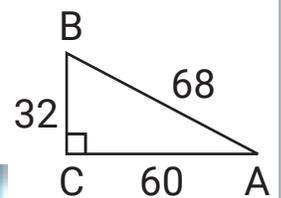
$$\frac{3}{4}$$

Find cos B



$$\frac{12}{35}$$

Find sin A



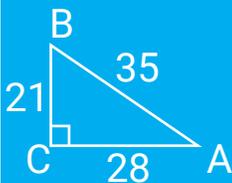
$$\frac{55}{73}$$

$$\frac{9}{41}$$

$$\frac{4}{3}$$

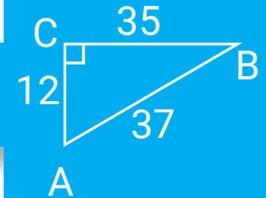
$$\frac{12}{37}$$

Find sin B



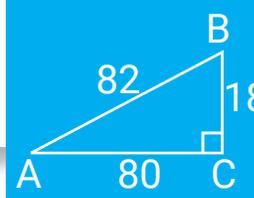
$$\frac{12}{37}$$

Find cos A



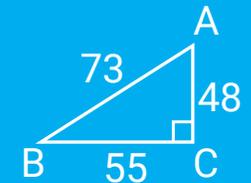
$$\frac{9}{40}$$

Find cos A



$$\frac{40}{41}$$

Find sin B



$$\frac{48}{73}$$

$$\frac{4}{5}$$

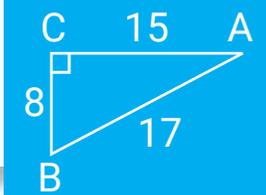
$$\frac{8}{17}$$

$$\frac{9}{41}$$

**END**

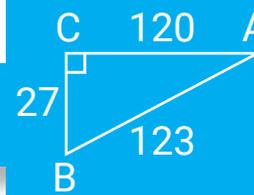
$$\frac{8}{15}$$

Find sin A



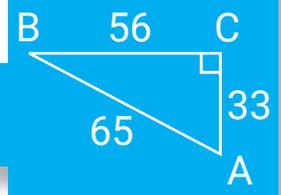
$$\frac{9}{40}$$

Find tan A



$$\frac{56}{33}$$

Find tan A





# Electricity, Light and Human Eye



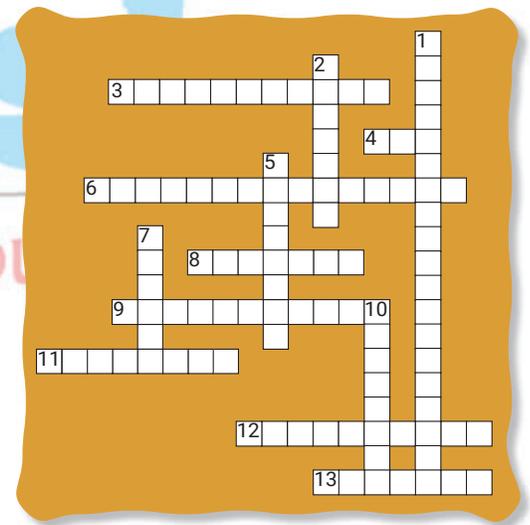
## Crossword

### Across

3. A branch of physics which deals with the study of charge at rest or in motion. [11]
4. An atom or molecule with a net electric charge due to the loss or gain of one or more electrons. [3]
6. A closed circuit in which the current divides into two or more paths before recombining to complete the circuit. [8, 7]
8. An electromotive force or potential difference expressed in volts. [7]
9. A device used to transfer electrical energy from one circuit to another. [11]
11. A force that acts at a distance due to a magnetic field. [8]
12. A hindrance to the flow of a charge. [10]
13. A flow of electric charge. [7]

### Down

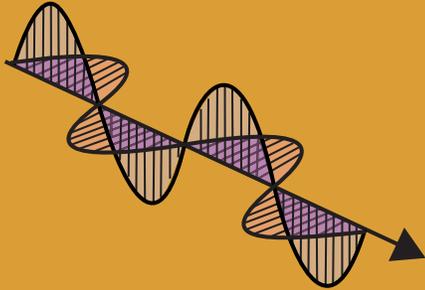
1. The difference of electrical potential between two points. [9, 10]
2. The complete path around which an electric current flows. [7]
5. A stable subatomic particle that is found in atoms with a negative electrical charge. [8]
7. Is a characteristic of a unit of matter that expresses the extent to which it has more or fewer electrons than protons. [6]
10. An electronic component that is designed to offer a desired amount of resistance to the flow of current. [8]





## Facts About Light

1.



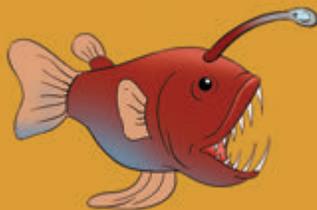
Light is a transverse, non-mechanical electromagnetic wave.

2.

Travelling at the speed of light, you could travel around the Earth 7.5 times in a second.



3.



Angler fish hypnotized its prey with bioluminescent light before devouring it.

4.

Sunlight is the ultimate source of energy and responsible for earth's weather system, wind system, photosynthesis by plants, thus essential for life on the earth.





## Fun Facts About Human Eye

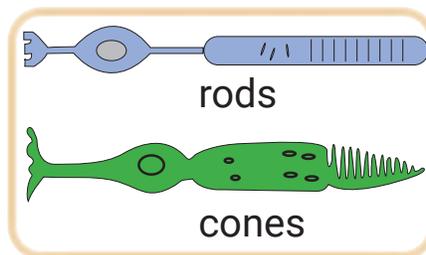
1. Your eyes focus on 50 different objects every second.
2. Only organ more complex than the eye is the brain.
3. It is impossible to sneeze with open eyes.
4. Ommetaphobia is a fear of eyes.



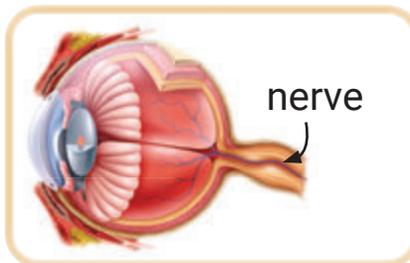
5. Heterochromia is the medical term for having two different colored eyes.



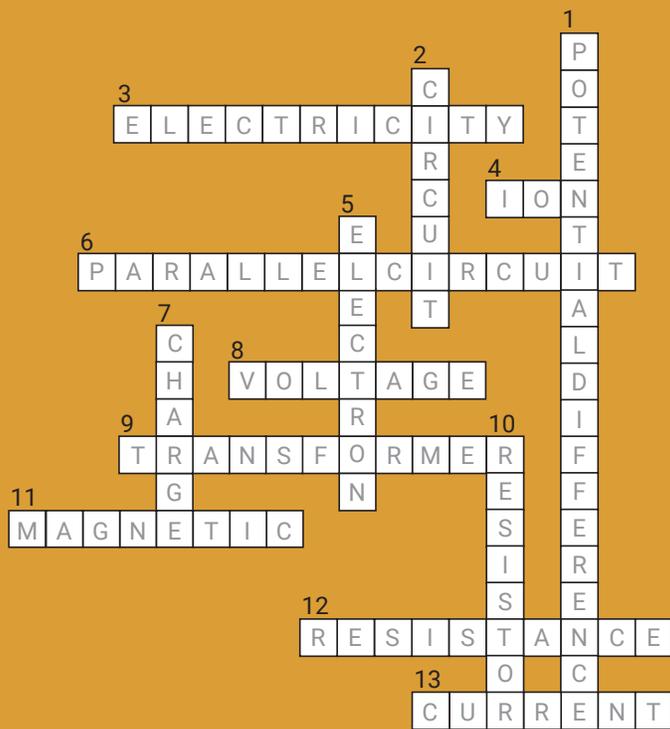
6. Eye contains light sensitive cells rods and cones, rods allow to see shapes while cones for detecting colour.



7. The average person blinks 12 times a minute.
8. Optic nerves contain more than 1 million nerve cells.



# Answer (Crossword)



Medical NEET Foundations



# Crossword

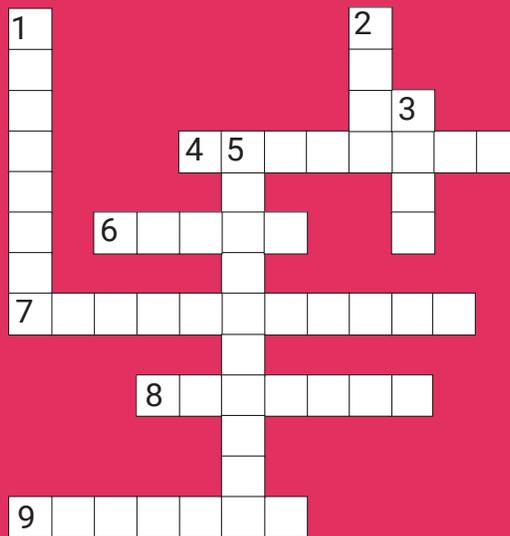
# Chemical Reactions and Equations

## Across

4. A substance that participates in a chemical reaction. [8]
6. A reaction in which both oxidation and reduction take place simultaneously. [5]
7. A chemical reaction that requires heat. [11]
8. A symbolic representation of the composition of a compound. [7]
9. A substance that is formed in a chemical reaction. [7]

## Down

1. Rate of reaction increases with \_\_\_\_\_ in concentration of reactants. [8]
2. The iron rod gets coated with a reddish brown powder when left for some time. The reddish brown powder is \_\_\_\_\_. [4]
3. In neutralization reaction, an acid reacts with a \_\_\_\_\_ to form salt and water. [4]
5. A chemical reaction that releases heat along with product(s) is called \_\_\_\_\_ reaction. [10]

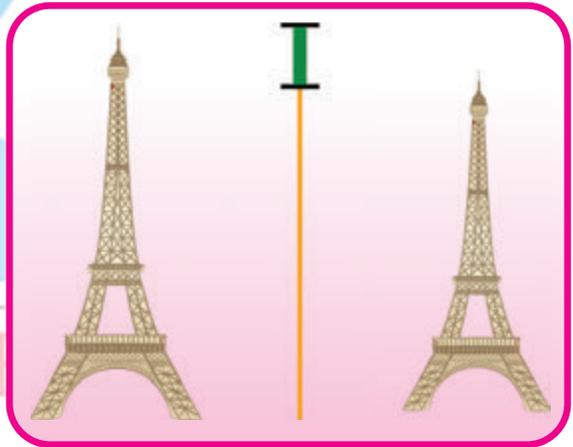


# Metals

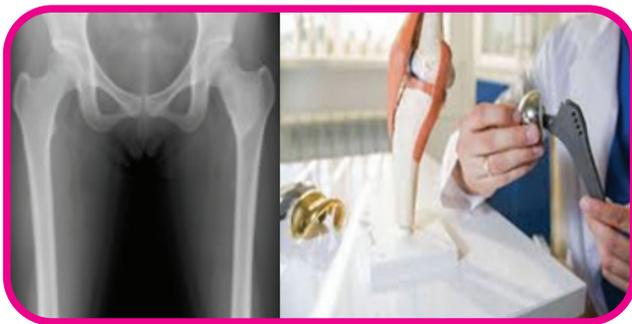
## Fun Facts About Metals

### 1. The Eiffel Tower is about six inches taller in the summer

The Eiffel Tower is about six inches taller in the summer than in the winter because steel and iron expand when heated.



### 2. Titanium is the most biocompatible metal

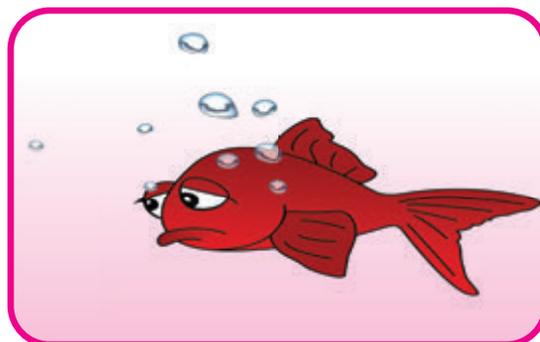


Titanium is able to withstand unique environment inside the human body. At the same time, it carries a lower risk of rejection than other metals.



### 3. Aluminium is toxic to gilled animals

Aluminium ions accumulate and clog the gills with a slimy layer that limits breathing.

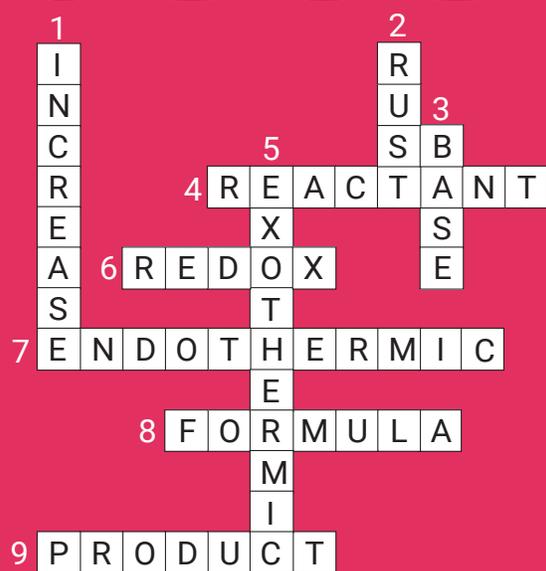


### 4. Often brass knobs and handrails are used in public buildings



Brass, a copper alloy, is naturally antibacterial. (But you should still wash your hands)

## Answer (Crossword)



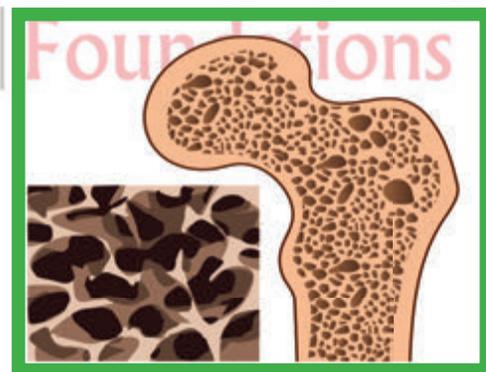
# Human Reproduction

## Facts

1. Menopause can cause many changes in a woman's body. The symptoms are the result of decreased production of estrogen and progesterone in woman's ovaries. Symptoms may include the decline in estrogen production which can affect the amount of calcium in woman's bones. This can cause significant decrease in bone density, leading to a condition known as osteoporosis. It can also make them more susceptible to hip, spine, and other fractures. Many women experience accelerated bone loss in the first few years after their menstrual period.



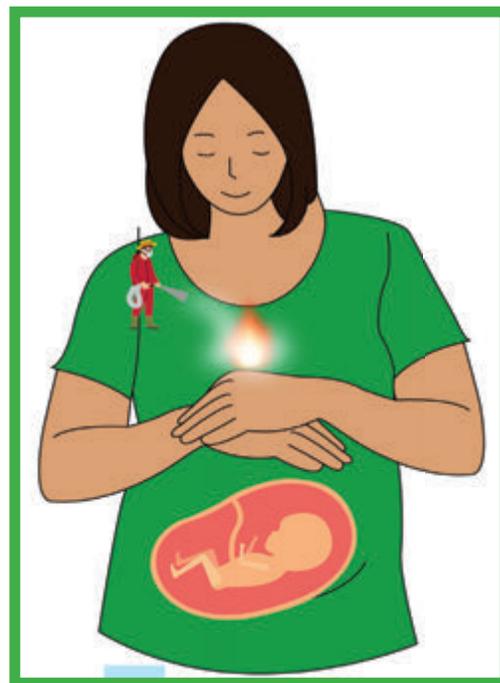
**Healthy bones**



**Osteoporosis**

2. At birth, women have 1 million to 2 million eggs but only about 300,000 eggs will be left by the time puberty hits. Only 300 to 400 of these eggs will be ovulated before menopause.

3. The women passing through the phase of pregnancy are also very likely to experience heartburn because of two basic reasons. Firstly, the release of progesterone hormone causes loosening in the cardiac sphincter, thus letting the gastric juice in stomach flow back to oesophagus. Secondly, as the baby in the womb grows larger, more pressure is exerted against the stomach and oesophagus, resulting in heartburn.



4. Until the late 17th century and early 18th century, physicians held to the “one-sex” reproductive model of thinking, which was championed by Greek physician Galen of Pergamon almost 2,000 years ago. Though people noticed the obvious physical differences between the sexes, they viewed the male and female reproductive organs as being homologous counterparts to one another.

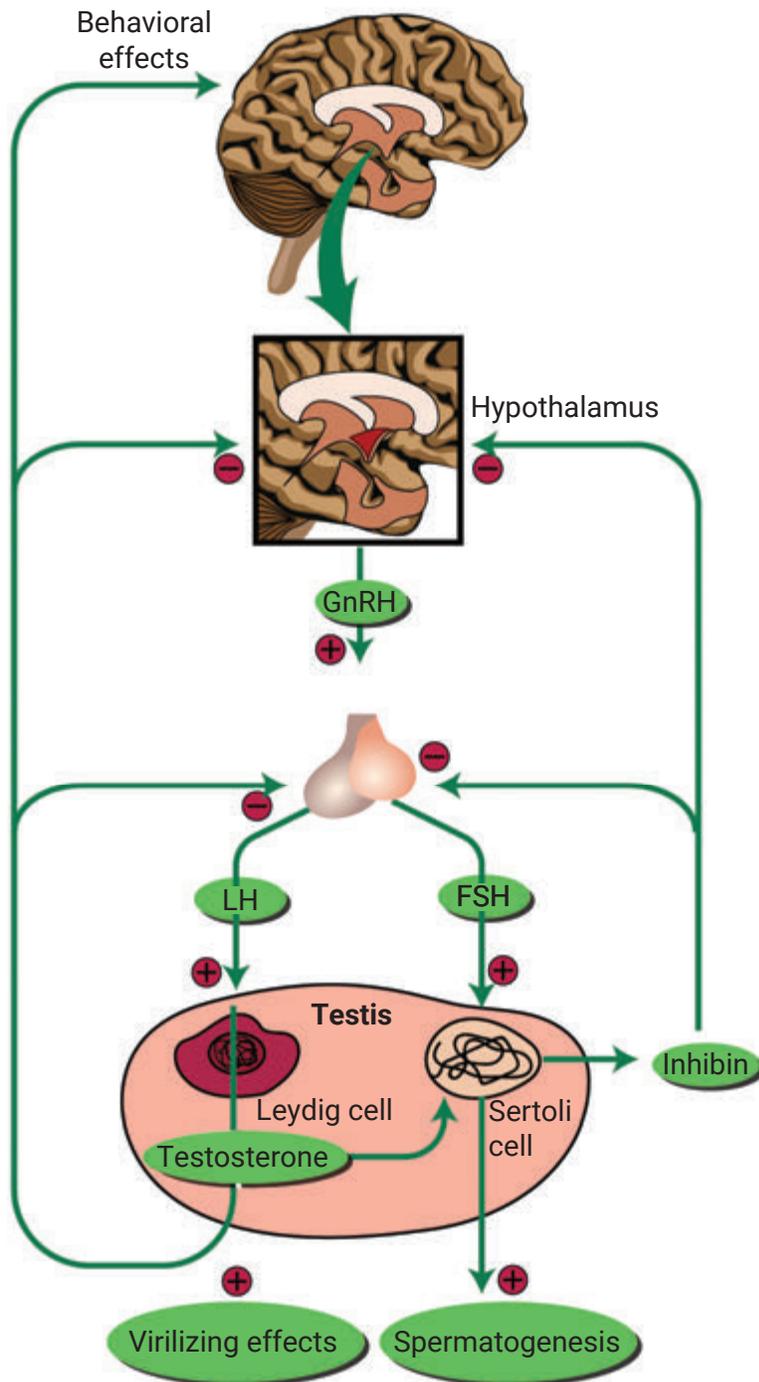
In Galen’s view, for example, women’s reproductive parts mirrored men’s reproductive parts: The vagina is a female’s inverted penis, the labia is her foreskin, the uterus is her scrotum and the ovaries are her testes.

In fact, the terms to describe the female reproductive organs, including vagina, uterus and ovaries, didn’t emerge until at least the 17th century.



# Regulation

## Feedback regulation of male reproductive hormones:



### Feedback regulation of the hypothalamic-pituitary-testicular axis in males.

⊕ → Stimulatory effects are shown.

⊖ → Negative feedback inhibitory effects are shown.

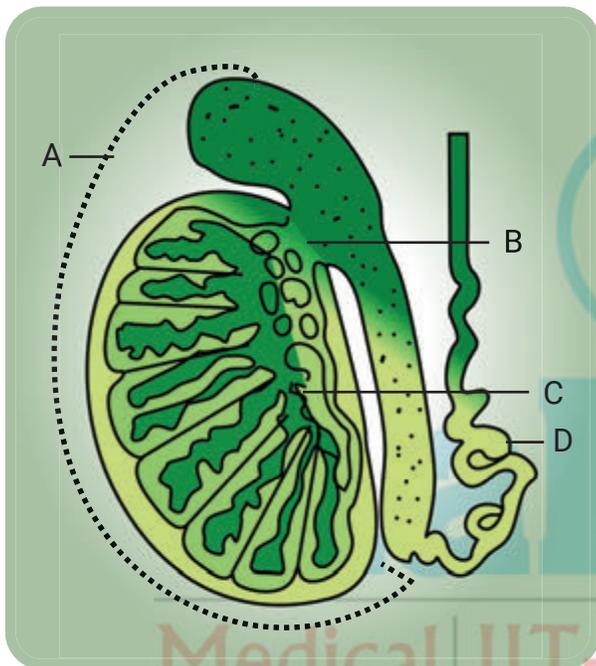
GnRH → Gonadotropin-releasing hormone

LH → Luteinizing hormone

FSH → Follicle-stimulating hormone

## Pictorial Puzzle

In the following diagram, the section of primary male sex organ and male reproductive ducts are shown. Based on this, answer the following questions?



The diagram shows L.S of human testis.

1. Label A-D.
2. How many lobules are found in each testis?
3. Trace the path of sperms through the tubules from seminiferous tubule to outside the testis.
4. Where are sperms stored temporarily?
5. Where are Leydig cells located? Mention their function.

## Some Important Definition

### Gynecology

Gynecology is the specialized branch of medicine concerned with the diagnosis and treatment of diseases of the female reproductive system.

### Urology

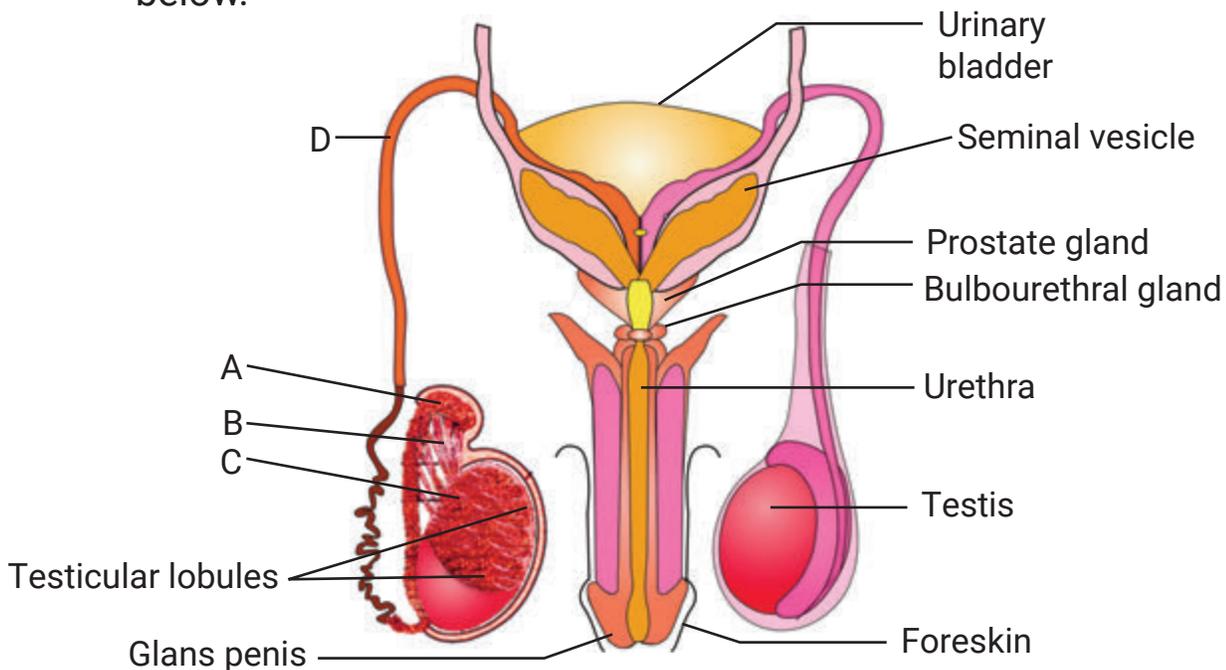
Urology is the study of the urinary system.

### Andrology

The branch of medicine that deals with the male disorders, especially infertility and sexual dysfunction, is called andrology.

## Questions

- 1.(a) Identify the ducts labelled as A, B, C and D in the diagram given below.



- 1.(b) Trace the correct path of movement of the sperms upto urethra in the ducts labelled as A, B, C and D of male reproductive system.

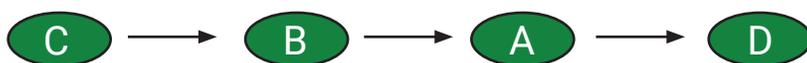
## Answers (Pictorial Puzzle)

1. A: Scrotum    B: Vasa efferentia    C: Rete testis    D: Vas deferens
2. 250 (approx.)
3. Seminiferous tubule → Rete testis → Vasa efferentia → Epididymis → Vas deferens → Urethra
4. Epididymis
5. Leydig cells are present in the testicular interstitial tissue and their main function is to produce testosterone for the maintenance of spermatogenesis.

## Answers (Questions)

- 1.(a) The labelled part  
A is Epididymis  
B is Vasa efferentia  
C is Rete testis  
D is Vas deferens

- 1.(b) Path of sperms upto urethra in the labelled ducts is



## Estrous Cycle

- The estrous cycle consists of cyclic changes in the female reproductive system of non-primate mammals. There is no menstruation at the end of estrous cycle. The estrogen level in blood increases resulting in the strong sex urge in the female. This is called “**period of heat**”.
- The estrous cycles run only during breeding season and remain suspended in female during non-breeding season.
- The suspension of estrous cycles is called **anestrus**.
- The animals that have only a single estrous cycle during the breeding season are called **monoestrous**, e.g., dog, fox, deer, bat, etc. and animals that have a recurrence of estrous during breeding season are called **polyestrous**, e.g., Mouse, squirrel, cow, sheep, pig, horse etc.



# Earthquake

## Facts

1. Mount Tai earthquake, earliest recorded evidence of an earthquake, has been traced back to 1831 BC in the Shandong province of China.



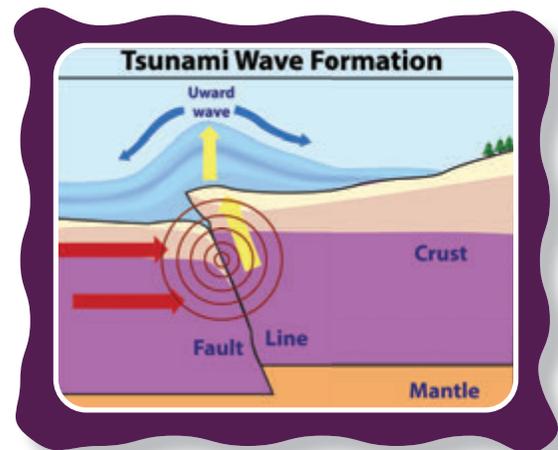
2. The largest recorded earthquake in the world was of magnitude 9.5 in Chile on May 22, 1960.



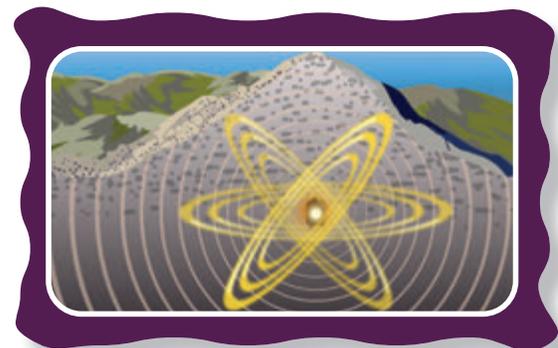
3. The “Ring of Fire” also called the Circum-Pacific belt, is the zone of earthquakes surrounding the Pacific Ocean – about 90% of the world’s earthquakes occur here.



4. Earthquake can cause huge waves in the ocean called tsunamis.

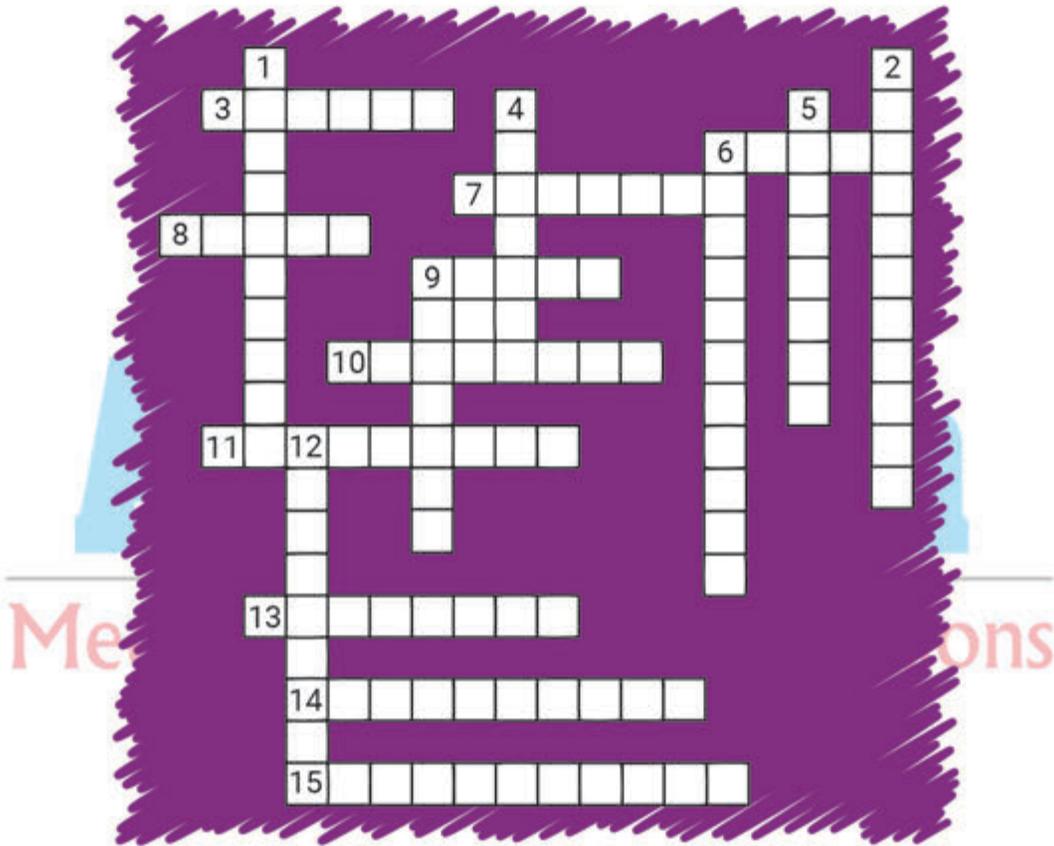


5. Man made earthquakes can be caused by deep mining, nuclear explosions etc.



# Vocabulary

Complete the crossword with nouns formed from the words given below.



## Across

- 3. Weigh
- 6. Peaceful
- 7. Romantic
- 8. Noisy
- 9. See
- 10. Locate
- 11. Know
- 13. Marry
- 14. Invite
- 15. National

## Down

- 1. Permit
- 2. Prepare
- 4. Think
- 5. Paint
- 6. Perform
- 9. Social
- 12. Operate



Choose the correct word to fill in the blanks.

1. There is always the \_\_\_\_\_ that the plane will be early.  
(Opportunity/ Chance/Possibility)
2. My grandfather gave me a very useful piece of \_\_\_\_\_.  
(Advise/Advice)
3. The strike will \_\_\_\_\_ all trains in the London area.  
(Effect/Affect)
4. The police will \_\_\_\_\_ anyone from leaving the building.  
(Avoid/Prevent)
5. Come and sit down \_\_\_\_\_ me.  
(Beside/Besides)
6. \_\_\_\_\_ managing the shop, he teaches in the evening.  
(Beside/Besides)
7. Can you switch to \_\_\_\_\_ 4 for the news?  
(Channel/Canal)
8. Our team has a good \_\_\_\_\_ of winning.  
(Opportunity/Chance/ Possibility)
9. You should travel early to \_\_\_\_\_ traffic jams.  
(Avoid/Prevent)
10. I am getting fed up with her \_\_\_\_\_ complaints.  
(Continual/Continuous)



11. It took two policemen to \_\_\_\_\_ the traffic.

(Direct/Conduct)

12. I \_\_\_\_\_ you to put all your money into a savings account.

(Advise/ Advice)

13. I didn't have much \_\_\_\_\_ on my birthday.

(Fun/Funny)

14. Don't \_\_\_\_\_ my sunglasses if you borrow them.

(Damage/Harm)

15. The English \_\_\_\_\_ is beautiful in spring.

(Nature/Countryside)

16. He didn't mean to \_\_\_\_\_ the girl.

(Damage/Harm)

17. You can get a good \_\_\_\_\_ of the sea from the church tower.

(View/ Scenery)

18. Her jewels were all imitations; they are quite \_\_\_\_\_.

(Priceless/ Worthless)

19. You can take a boat trip around the \_\_\_\_\_ of Amsterdam.

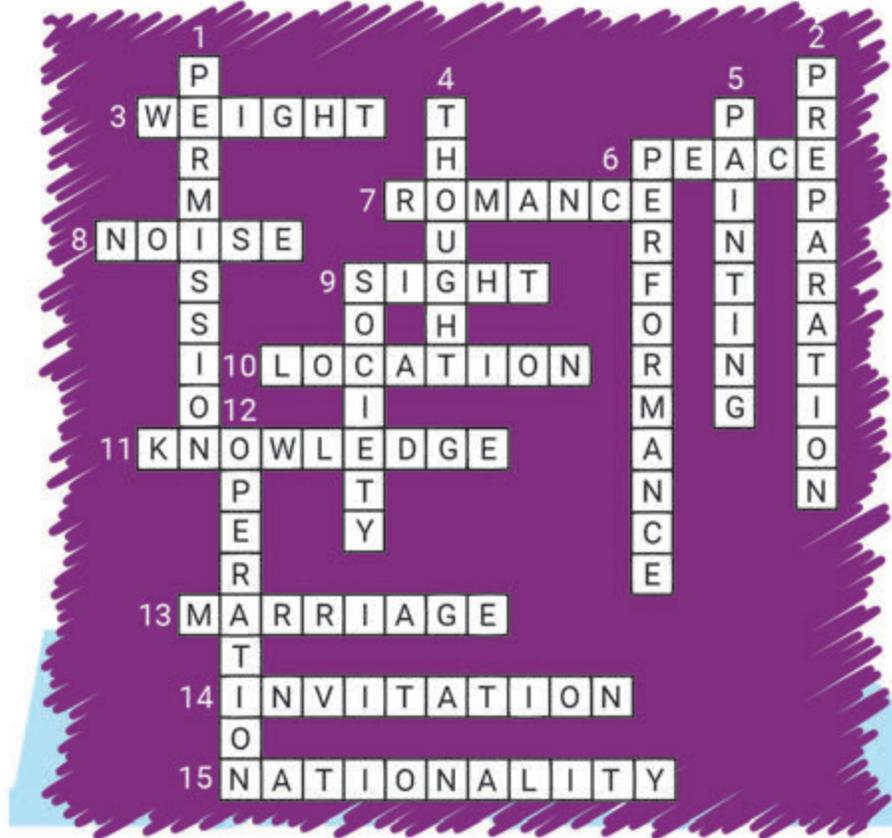
(Channel/ Canal)

20. Von Karajan will \_\_\_\_\_ the orchestra at the concert.

(Direct/Conduct)



## Answer (Crossword)

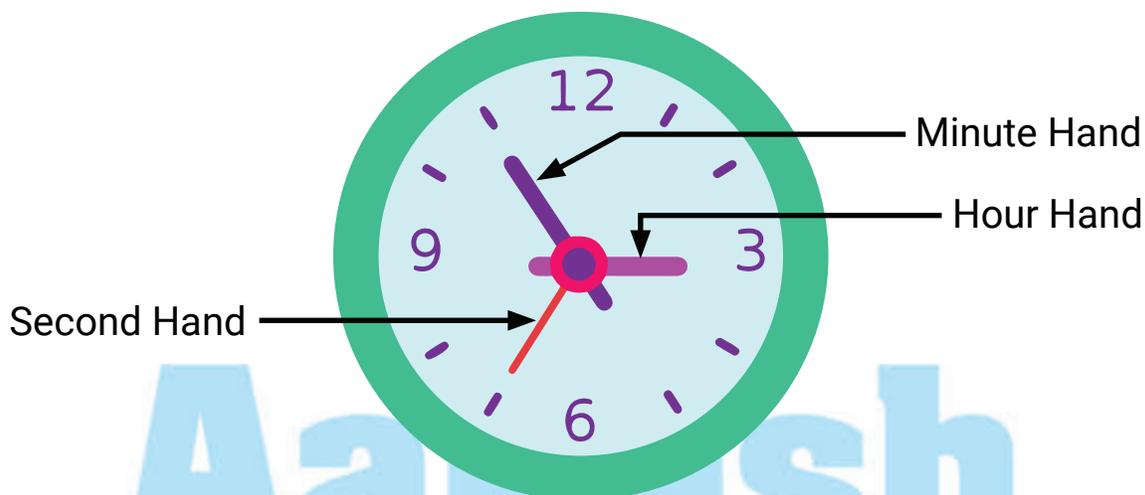


## Answer (Fill in the Blanks)

- |                |                 |
|----------------|-----------------|
| 1. Possibility | 11. Direct      |
| 2. Advice      | 12. Advise      |
| 3. Affect      | 13. Fun         |
| 4. Prevent     | 14. Damage      |
| 5. Beside      | 15. Countryside |
| 6. Besides     | 16. Harm        |
| 7. Channel     | 17. View        |
| 8. Chance      | 18. Worthless   |
| 9. Avoid       | 19. Canal       |
| 10. Continual  | 20. Conduct     |



## Important Clock Concepts



- 1 The minute hand gain 55 minutes over hour hand per hour.
- 2 In each hour, the hands of the clock (Minute and Hour hand) coincide with each other for once except between 11, 12 and 12, 1. In a day they coincide for 22 times.
- 3 In each hour, hands of the clock (Minute and Hour hand) are perpendicular to each other two times except between 2 to 4 and 8 to 10. In a day they will be perpendicular to each other for 44 times.
- 4 In each hour, hands of the clock (Minute and Hour hand) will be opposite to each other once except between 5 to 7. In a day they will be opposite for 22 times.



Time shown by the reflection of a analogue clock in a mirror :

■ 3 hours 35 minutes  ??

H	M	S
11	: 59	: 60
3	: 35	: 00
8	: 24	: 60

8 hours 25 minutes

8 : 25

■ 8 hours 11 minutes  ??

H	M	S
11	: 59	: 60
8	: 11	: 00
3	: 48	: 60

3 hours 49 minutes

3 : 49

Where

H - Hour

M - Minutes

S - Seconds



## Important Calendar Concepts

- 1 The division of the number 365 by 7 gives the quotient 52 and remainder 1 which indicates that an ordinary year has 52 weeks and one extra day. This extra day is referred to as in “**odd day**” throughout the calendar topics.
- 2 A leap year has 366 days, the division of the number 366 by 7 gives the quotient 52 and remainder 2. This indicates that a leap year has 52 weeks and 2 extra days. These two extra days are also referred to as “**odd days**”.

### Some Calendar Concept

Can you use 2020 calendar for any other upcoming year ???

Answer is Yes

How ???



2020 is a leap year, so we will find the calendar only for a leap year.

<u>Year</u>	<u>No. of odd days</u>
2020 →	2
2021 →	1
2022 →	1
2023 →	1
2024 →	2
2025 →	1
2026 →	1

(7) Odd

But the next year is **2025**

It is not a leap year so we will continue.



Year                      No. of odd days

2027	→	1
2028	→	2
2029	→	1
2030	→	1
2031	→	1
2032	→	2
2033	→	1
2034	→	1
2035	→	1
2036	→	2
2037	→	1
2038	→	1
2039	→	1
2040	→	2
2041	→	1
2042	→	1
2043	→	1
2044	→	2
2045	→	1
2046	→	1
2047	→	1



**Aakakash**

Medical | IIT-JEE | Foundations

**(28) Odd**      It is a multiple of 7.

**2048** So, 2048 will have the same calendar as 2020.

**Note :-** 2020 has the exact same calendar as the years 1992, 1964, 1936 etc.



Happy Birthday

## Ronald Ross

*“Science is the Differential Calculus of the mind. Art the Integral Calculus; they may be beautiful when apart, but are greatest only when combined.”*



Born - 13 May 1857  
Died - 16 Sep 1932

Ronald Ross was born on May 13, 1857, in Almora, India. At the age of 14, Ross won a prize in mathematics and was presented the book *Orbs of Heaven*, which sparked his interest in the field of mathematics. Ross is known for his outstanding research work on malaria-causing parasites in mosquitoes. He discovered malarial parasites in the salivary glands of mosquitoes.

Nobel Prize in Physiology or Medicine (1902), The James Tait black Memorial Prize - Biography (1923).

## OUR RESULTS 2024

**AIR**

**NEET (UG) 2024**

**JEE (Advanced) 2024**

Rank	Name	State	Score	Classroom
1	Mridul M Anand	Delhi	720/720	3 Year Classroom
2	Ayush Naugraiya	Uttar Pradesh	720/720	4 Year Classroom
3	Arghyadeep Dutta	West Bengal	720/720	2 Year Classroom
4	Aryan Yadav	Uttar Pradesh	720/720	1 Year Classroom
5	Palansha Agarwal	Maharashtra	720/720	2 Year Classroom
6	Iram Quazi	Rajasthan	720/720	1 Year Classroom
AIR 25	Rishi Shekher Shukla			2 Year Classroom
AIR 67	Krishna Sai Shishir			4 Year Classroom
AIR 78	Abhishek Jain			4 Year Classroom
AIR 93	Hardik Aggarwal			2 Year Classroom
AIR 95	Ujjwal Singh			4 Year Classroom

## 1430 Students Scored Above MAS

**344**

Classroom Students  
Qualified in  
NSEs\* 2023-24

(Group A & B)  
**34+30**  
NSEA\*

**156**  
NSEB\*

**72**  
NSEC\*

**23**  
NSEP\*

**29**  
NSEJS\*

## Aakashians Qualified for INO-2024



**Diptanshu Sharma**  
NSEB | NSEC | NSEP



**Priyanshu Sarkar**  
NSEB | NSEC | NSEP



**Mridul Garg**  
NSEB | NSEC | NSEP



**Zaman Hussain**  
NSEA | NSEC | NSEP



**Shubhradeep Paul**  
NSEA | NSEC | NSEP



**Samvit Shandilya**  
NSEA | NSEC | NSEP

and many more...

\*NSEA-National Standard Examination in Astronomy | NSEB-National Standard Examination in Biology | NSEC-National Standard Examination in Chemistry  
NSEP-National Standard Examination in Physics | NSEJS-National Standard Examination in Junior Science | INO-Indian National Olympiad

## Aakashians Qualified for OCSC/IMOTC-2024

**32**

Classroom Students  
Qualified  
in INOs 2024



**Aneesh Shastri**  
Qualified INAO



**Sanvi Jain**  
Qualified INChO



**Mridul M Anand**  
Qualified INBO



**Zaman Hussain**  
Qualified INMO



**Sushant Agarwal**  
Qualified INJSO



**Archit Kumar**  
Qualified INAO Jr

OCSCs - Orientation cum Selection Camps | IMOTC - International Mathematical Olympiad Training Camp

and many more...

## Aakashians Qualified for RMO from Classroom Programs

**899**

Classroom Students  
Qualified  
in IOQM 2024



Class **VIII** **Joish Achyuta**  
2 Year Classroom



Class **VIII** **Pranava NS**  
3 Year Classroom



Class **VIII** **Bruteshwar Rajguru**  
3 Year Classroom



Class **VIII** **Hardik Mishra**  
2 Year Classroom



Class **VIII** **Hardik Dhariwal**  
2 Year Classroom



Class **IX** **Dhanush Damu**  
4 Year Classroom

IOQM - Indian Olympiad Qualifier in Mathematics

and many more...

## Board Exam Results 2024

### Top Performers from Class X



Marks  
**500**  
**500**

**Devidyuti K Pisharody**  
CBSE



Marks  
**499**  
**500**

**P Harini**  
CBSE



Marks  
**498**  
**500**

**Jiya Dugar V**  
CBSE

and many more...

### Top Performers from Class XII



Marks  
**496**  
**500**

**Ananthan R**  
CBSE



Marks  
**495**  
**500**

**Ansh Agrawal**  
CBSE



Marks  
**495**  
**500**

**Himanshu Agarwal**  
CBSE

and many more...



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