



Tell me WHY?

23/6/21

1. Why do we have a shadow?

Ans. A shadow is formed when something comes in the way of light and blocks it. When our body (or any other opaque object) blocks the light from the sun or from some other source (like a torch or a bulb) a shadow is formed on the ground or wall etc.



2. Why do stars twinkle?

Ans. Stars don't really twinkle. They appear to us as twinkling only because we see them through the thick layers of air that form our atmosphere. As the light coming from the stars passes through the atmosphere it bends and flickers giving us an impression as if the stars are twinkling.



3. Why can't we see stars during the day?

Ans. Stars shine in the sky even during the day but we cannot see them due to the bright light of the Sun. The light coming from the stars is very weak compared to the light of the Sun. The bright light of the Sun does not allow the light from stars to reach our eyes and hence we cannot see them during the day.



4. Why does the moon seem to follow us at night?

Ans. Moon does not follow us. It appears to do so only because it is very far away from us. The distance between us and the moon is so much that no matter how far or how fast we move, moon appears at the same position, giving an impression that it is also moving with us.



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Test Paper-I

1. What is the capital city of Assam?

DISPUR

2. Which city of Uttar Pradesh has the Taj Mahal?

AGRA

3. Name the first woman Prime Minister of India.

INDIRA GANDHI

4. Which country has Kathmandu, Pokhara and Biratnagar as its cities?

NEPAL

5. Which food item is this- Sandesh or Dhokla?

DHOKLA



6. Which substance in plants gives green colour to the leaves?

CHLOROPHYLL

7. Which is the largest bird in the world?

OSTRICH

8. Identify these animals and write their names in the blanks.



YAK



GIANT PANDA



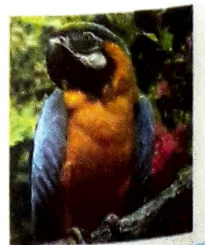
HORNBILL

9. Name the smallest planet of our solar system.

MERCURY

10. This bird is famous for its talking abilities.
Can you name it?

PARROT





15 Sharpen Your Memory

Unit-3: Maths, Memory and Mental Ability

Friends, it is very important to have a good memory. In fact memory is the most important tool you will need in your life!

Here are a few tips to help you sharpen your memory.

- Play memory games with your friends.
- Every night, recall whatever you have done during the day.
- If you want to memorise important information, give it your full attention.
- A very good way to remember is to associate the information with something. For example, to remember the order of eight planets in our solar system, remember the sentence **My Very Excellent Mother Just Sent Us Nuts**. Each starting letter represents a planet like M for Mercury, V for Venus, etc.

Let us play a Memory Game!

1. Make a group of five to six children.
2. Choose any topic like flowers, animals, etc.
3. The first child, let's say, names one flower. Let us suppose he says 'Rose.'
4. The second child repeats this name and adds one more of his own. So, he says, 'Rose, Jasmine.'
5. The third child says, 'Rose, Jasmine, Sunflower' ...and so on.
6. If someone does not recall the names correctly, he or she loses the game and is sent out. The last child remaining is the winner!



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16 A Class Apart

A. Write the category name for each group of words. Choose your answers from the help box.

1. Cabbage, beans, brinjal
2. Valley, plateau, mountain
3. Pacific, Indian, Atlantic
4. Turtle, snake, lizard
5. Yamuna, Ganga, Kaveri
6. Neem, rosemary, lavender
7. Vulture, falcon, eagle
8. Africa, Europe, Australia

- VEGETABLES .
- LANDFORMS .
- OCEANS .
- REPTILES .
- RIVERS .
- PLANTS .
- BIRDS OF PREY .
- CONTINENTS .



Let Me Help You

Landforms, Plants, Rivers, Reptiles, Birds of prey, Vegetables, Continents, Oceans

B. Spot the odd one out in each group and write it down in the space provided.

1. Italy, France, Uganda, Asia
2. Gold, Glass, Copper, Iron
3. Computer, Television, E-mail, Printer
4. Stars, Mars, Earth, Jupiter
5. Fork, Cup, Knife, Spoon
6. University, College, School, Office
7. Copper, Wood, Iron, Aluminium
8. November, August, December, Monday

- ASIA
- GLASS
- E-mail
- STARS
- CUP
- OFFICE
- WOOD
- MONDAY





Amaze your friends with these number tricks and puzzles.

a

1. Think of a number between 1 and 9.
2. Double the number (Multiply it by 2).
3. Add 6 to your answer.
4. Now halve this number (Divide by 2).
5. Subtract the number you had chosen in the beginning. You get the answer 3! Go on! Try it again!

b

In one minute, can you think of a 1000 words that do not have the letter 'a' in them?
It's simple! All the number names from Zero till Nine Hundred Ninety Nine do not have the letter 'a'!
Check it out yourself!

c

Addition Magic

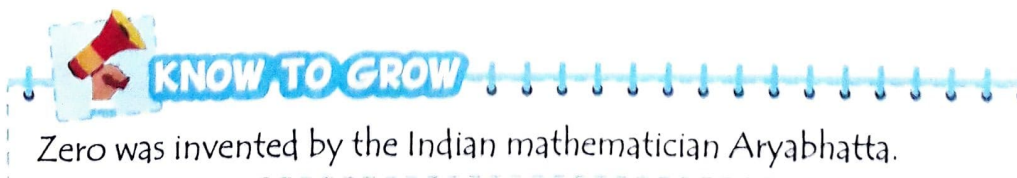
Suppose you have to add 23 and 56.
You get the answer 79 ($23 + 56 = 79$).
Let us do this check!

- Add all the digits of the addends (23 and 56)
 $2 + 3 + 5 + 6 = 16$
Add the digits of this answer, i.e., 16
 $1 + 6 = 7$
- Now, add the digits of the sum (79).
 $7 + 9 = 16$
And then again, $1 + 6 = 7$

Let us discover a magical property of addition.



This shows that 'Final sum of the digits of the addends as well as of the sum will always be the same.'



Zero was invented by the Indian mathematician Aryabhata.