THE HINDU IN SCHOOL
INDIA'S NATIONAL NEWSPAPER SINCE 1878

30-MINUTE ACTIVITY FOR CHILDREN - 43

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What's the good word?

Many words have more than one meaning. In the sentences below, write down one word that fits both the descriptions

1. A dark mark on the skin; a spy. _____

2. Outer layer of a citrus fruit; to be full of life. _____

3. The back portion of an object; to raise young ones. _____

4. A dish to hold food or water; to throw a ball. _____

5. To abstain from food; to move quickly. _____

Shiv Kumar Pushpakar

Answers: 1. Mole, 2. Zest, 3. Rear, 4. Bowl, 5. Fast.

Magic square

Fill in the squares with numbers from 1 to 16 so that every column, row and diagonal add up to 34

16		6	
	4		
11			8
		12	

Answer:

16	9	6	3
5	4	15	10
11	14	1	8
2	7	12	13

(Content provided by Amrita Bharati)

Fun facts

1. The missing teeth

Cows are ruminants (cud-chewing herbivores) and they do not have upper front teeth. They have what is called a hard, leathery dental pad in the place of upper incisors. They use their tongue to grasp the grass and pinch it off using their dental pad and lower incisors. But they have molars in the upper and lower jaws for grinding their food.

Q: Can you name two other animals that do not have upper front teeth?

_____

2. Four in one?

The Four Corners is a region in the United States where the boundaries of the four states of Utah, Arizona, New Mexico, and Colorado meet. The quadripoint is marked by a monument in granite and brass. It is the only place where you can be in all four states at the same time. A popular tourist attraction, the site is maintained by the Navajo Nation which is the largest Native American territory in the U.S.

Q. Can you find out about other monuments on the Navajo tribal lands?

_____

Answer
1. Sheep and goats

Know the scientist

Lise Meitner (1978 - 1968) was an Austrian-Swedish physicist, who was part of a team that discovered nuclear fission. But she was overlooked for the Nobel Prize and instead her research partner Otto Hahn was awarded for the discovery.

Lise Meitner was born on November 7, 1878, in Vienna. Austria had restrictions on women education, but Meitner managed to receive private tutoring in physics. She went on to receive her doctorate at the University of Vienna. Meitner later worked with Otto Hahn for around 30 years, during which time they discovered several isotopes including protactinium-231, studied nuclear isomerism and beta decay. In the 1930s, the duo was joined by Fritz Strassmann and the team investigated the products of neutron bombardment of uranium.

PHOTO: WIKIMEDIA COMMONS

In 1938, as Germany annexed Austria, Meitner, a Jew, fled to Sweden. She suggested that Hahn and Strassmann perform further tests on a uranium product, which later turned out to be barium. Meitner and her nephew Otto Frisch explained the physical characteristics of this reaction and proposed the term 'fission' to refer to the process when an atom separates and creates energy. Meitner was offered a chance to work on the Manhattan Project to develop an atomic bomb. However, she turned down the offer.

In 1957, the German President Theodor Heuss awarded her the highest German order for scientists, the peace class of the Pour le Mérite.

Now that you have read about Lise Meitner, try answering the following questions.

1. Who was awarded Nobel Prize in Chemistry for discovery of nuclear fission?
.....

2. Which bomb development project did Meitner refuse to be part of?
.....

Answers: 1. Otto Hahn 2. The Manhattan Project

Fun with Math

From the list of words given below, circle the word which stands for a two-sided polygon.

Hexagon
Duagon
Digon
Twogon
Megagon
Hectogon

Answer: Digon

Word of the day

Stereotype

As a noun, stereotype is the generalised belief or idea about a person or a group of people. As a verb, it refers to the act of typecasting someone or something as representing certain characteristics. The word is often used in the negative sense because these general assumptions may or may not reflect reality.

Origin of the word: The term stereotype is derived from the Greek words *stereos* (which means firm) and *typos* (meaning impression). In 1798, it was used to describe a printing plate that duplicated typography. In 1850, the word referred to an image carried forward without change.

Usage: (As a noun): When we give pink toys to girls and blue toys to boys, we are perpetuating gender stereotypes.

(As a verb) The sitcom has come under fire as it stereotypes Asians.

Activity: Use the word in a sentence of your own

_____

_____

Picture story

Come up with a witty caption for this photo

Reuters

"Ten thousand I saw at a glance...tossing their heads in a sprightly dance." These lines of poet William Wordsworth come to mind when we look at this picture of children playing in a poppy field in Aubigny-au-Bac, near Cambrai, France. **Can you sum up this picture in a few words? Be creative!**

_____

_____

The W Corner

WHERE is the shuttlecock that Parupalli Kashyap of Mumbai Rockets played during his loss to Tommy Sugiatro of Chennai Superstarz in a Premier Badminton League game played in January 2020?

The grid lines are only to help you and parts of the shuttlecock might be in more than one box too! Find that one box where the shuttlecock is or find them all if you think it is in more than one box...

Answer: _____

A B C D

1 2 3 4 5

Answer: According to the grid lines, the shuttlecock can be found in A2.

PHOTOS: THE HINDU

Journal Writing

Dear Diary

I have a great story idea...

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Imagine and write. You may even type a note and mail it to us at **school@thehindu.co.in.** We will select a few for publication when we resume

Today's Diary Pick

Dear Dairy,

During the lockdown, I discovered that I am very good at painting and drawing. I have also sharpened my shading skill. I have learnt many more things – like preparing tea. My dad taught me. At first, I made mistakes, but now I am a pro! Whenever my parents taste tea prepared by me, they say, :Oh, how exotic!". I am also fond of baking. But my mother always stands besides me while I am baking. Whenever she eats freshly baked cake, she says it's delicious. This makes me feel happy and proud.

Awani Sarah Minz
V, Jankidevi Public School, Mumbai.

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