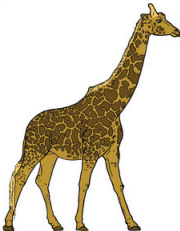**1** ARRANGE the words in a way that they form a CORRECT SENTENCE.

caught	the	kitchen	the	Ria	in	rabbit

A. Ria caught the rabbit in the kitchen.
B. The kitchen caught Ria in the rabbit.
C. The rabbit caught the kitchen in Ria.
D. Ria caught the kitchen in the rabbit.

---

2 Which word from the poster has a SPELLING MISTAKE?

WORD - OF - THE - DAY
CALENDAR

FEBRUARY
SUNDAY; **TWELVETH**
(12/02/2012)

Word of the Day:
Giraffe

A. CALENDAR
B. FEBRUARY
C. TWELVETH
D. GIRAFFE

Read "The Little Fairy's Birthday" and answer questions 3 and 4.

The Little Fairy's Birthday

This is the story of a little girl, Diya.

She was very fond of yellow things - yellow dresses, yellow birds and yellow sunflowers. Every morning she played with the birds. She told everybody not to hurt her flowers.

One day, Diya's uncle did something <u>terrible</u>. He thought the sunflowers had grown too tall and so he cut off the plants.

When Diya saw her garden, she cried. Diya's parents tried their best to comfort her. Her father gave her a beautiful doll. Her mother got her a yellow dress. Diya did not look at anything. She cried and cried.

Seeing Diya cry, the birds got upset.

They went to a garden nearby and asked a mango tree, "Do you have a sunflower plant here?" "We don't, but check in the next garden," the tree replied. The birds flew and searched every garden in the city. At last they found one tiny plant.

The next morning, Diya woke up and found her bird friends waiting with a sunflower plant.

Diya was overjoyed.

Source (edited): *'The Little Fairy's Birthday. 1993',* Adhikari, Jayanti. - Children's Book Trust: New Delhi
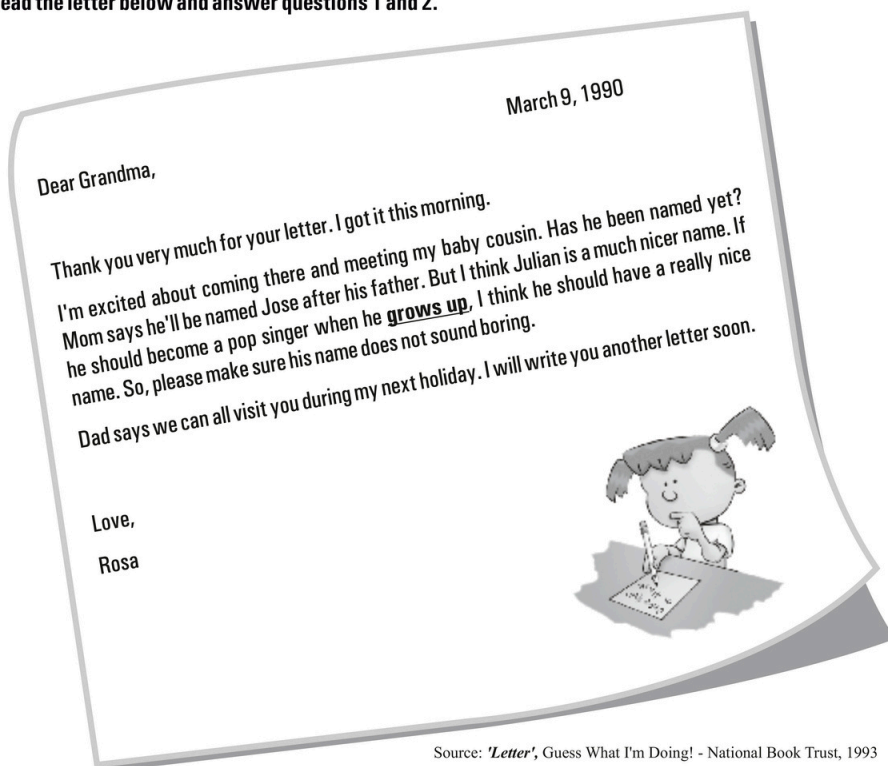
3 Which word BEST describes the birds in the story?

A. tired
B. noisy
C. pretty
D. caring

---

4 In the story, the word "<u>terrible</u>" means _____.

A. bad
B. boring
C. difficult
D. confusing

Read the letter below and answer questions 1 and 2.

March 9, 1990

Dear Grandma,

Thank you very much for your letter. I got it this morning.

I'm excited about coming there and meeting my baby cousin. Has he been named yet? Mom says he'll be named Jose after his father. But I think Julian is a much nicer name. If he should become a pop singer when he **grows up**, I think he should have a really nice name. So, please make sure his name does not sound boring.

Dad says we can all visit you during my next holiday. I will write you another letter soon.

Love,

Rosa

Source: *'Letter',* Guess What I'm Doing! - National Book Trust, 1993

1 Which of the following is TRUE based on this letter?

A. The baby grew up to be a pop singer.
B. The name of the baby's father is Jose.
C. The baby cousin was finally named Julian.
D. Rosa had met her baby cousin once before.

2 Rosa wrote this letter MAINLY to _____.

A. plan a big holiday with her family
B. invite Grandma and the baby home
C. suggest a name for her baby cousin
D. thank Grandma for taking care of her

3 Which word can be used to combine the two sentences in the poster?

I found a Stegosaurus.

He wants to be my friend.
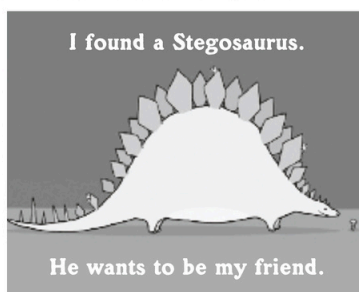
*(**Hint:** I found a Stegosaurus _____ wants to be my friend.)*

A. whom
B. what
C. this
D. who

4 The word shown in the image below can be placed BEFORE which of these words to make a single, new word?

A. monk
B. latch
C. board
D. safety
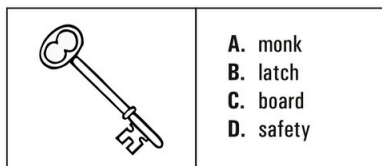
1 It is difficult to cut vegetables with this knife as it is <u>blunt</u>.

Which of the following words is OPPOSITE in meaning to the underlined word in the sentence above?
A. thin
B. sharp
C. strong
D. pointed

2 Which word is used to describe something in the sentence given below?

The buzzing bees make honey in the hive.
A. buzzing
B. make
C. honey
D. hive

Read the details in the poster below and answer questions 3 and 4.

Why Wait for the Lid to BURST?

On this Earth Day, pledge to act <u>before it blows off...</u>

Earth Day – April 22, 2008

The first Earth Day was celebrated on April 22, 1970. Since then, more than 500 million people in over 180 countries have participated in Earth Day activities. This is a day of great importance.

• Become energy efficient • Save water • Travel green • Recycle waste • Plant more trees

Greening Young Minds (GYM)

On Earth Day, Winrock International India (WII) plans to <u>develop</u> an important unit of young leaders from among school-going children. These children will grow up to have the vision to handle the environmental and natural challenges faced by our Earth. You could be a part of this effort.

For more information please contact: kanicka@winrockindia.org

WINROCK INTERNATIONAL INDIA

Source: *'Why Wait for the Lid to Burst?'*-http://alchemistpoonam.wordpress.com/category/awareness/page/4/

3 Which of these could be an Earth Day activity?
A cooking tasty food
B. switching off tubelights
C. celebrating with fireworks
D. arranging flowers in a vase

4 Why is Earth Day celebrated?
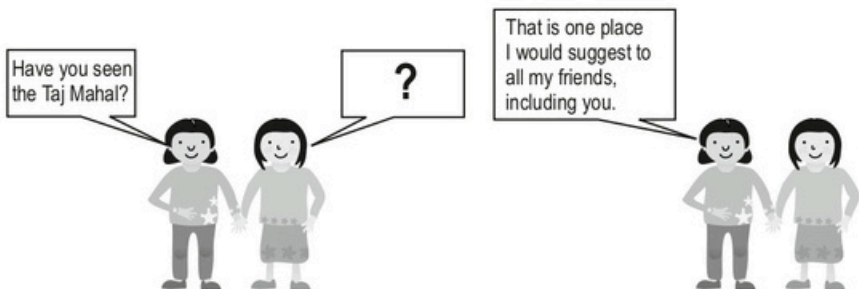A. to observe a planet through a telescope
B. to teach children to make posters on the environment
C. to encourage children to collect money for farming
D. to make people aware of the dangers to the planet

1 Sanitation has always been a worry during the monsoons. This is when we find that diseases are <u>rampant</u> as the number of people falling sick grows each day.

The word "**rampant**" MEANS "_____".
A. spreading in an uncontrolled way
B. resulting in other unrelated problems
C. unsafe and causing a lot of problems
D. undiscovered and difficult to detect easily

2 Choose the GRAMMATICALLY CORRECT RESPONSE that will fit the 2nd girl's speech bubble in the conversation below.

Have you seen the Taj Mahal?

?

That is one place I would suggest to all my friends, including you.

A. Never seen.
B. No, not yet.
C. Yes, already.
D. Of course yes.

Read "The Ratel and the Honeyguide" and answer questions 3 and 4.

The Ratel and the Honeyguide

The Ratel, or the honey badger is known as the bravest animal on Earth. It is as big as a dog but can fight even leopards and tigers! The colour of its fur scares the animals and birds around it.

It pokes into any hole that comes in its way and searches for snakes in it. Poisonous snakes like cobra, mamba, puff adders, etc., are its favourite food. It also hunts for turtles, frogs, fish, lizards and mongooses.

It has tough and thick fur. It is also very agile. It can turn around and bite even if its opponent catches it by the collar.

Let us now introduce ourselves to its little friend. A tiny bird called the honeyguide is a great friend of the brave ratel.

The honeyguide has a special ability to find beehives. It loves to eat the wax with which the bees make their hive, but it is afraid of the bee stings. This is where the honeyguide needs help. The brave ratel also loves to eat honey but cannot search for the bee hives. The honeyguide knows this.

When the honeyguide finds a ratel, it comes close to the ratel and chirps. It fans its tail excitedly, showing its white feathers. The ratel notices this and begins to follow the honeyguide with a grunting and growling sound. The bird hops from tree to tree till it comes near the hive. Then she waits for the badger to reach the hive. The ratel breaks the hive apart with its strong claws. Its thick fur protects it from bee stings. It eats all the honey and leaves the wax for the honeyguide!

Source (adapted): '*Honeyguides?*' - http://coglab.hbcse.tifr.res.in/teacher-resources/multimedia-resources/symbiosis/honey-guide-and-the-ratel

3 What makes the ratel a special animal?
A. its courage to fight large wild animals
B. its willingness to help all animals
C. the number of colours on its fur
D. the amount of food it can eat

4 Based on the information in the passage, the honeyguide can be BEST described as being _____.
A. hardworking
B. generous
C. fearless
D. clever

1 "Ah, William, we're weary of weather,"
said the sunflowers, shining with dew.
"Our traveling habits have tired us.
Can you give us a room with a view?"

Which of these OPTIONS is highlighted in the lines given above?
A. Personification (giving human qualities to non-human objects)
B. Simile (comparison between two different things using words such as 'like' or 'as')
C. Metaphor (comparison of two dissimilar things without using words such as 'like' or 'as')
D. Alliteration (repetition of the same letter or sound at the beginning of words in a sentence)

2 An excerpt from Kung Fu Panda:

<u>Tai Lung:</u> You can't defeat me! You're just a big fat panda!
<u>Po</u> (strikes back): I am not a big, fat panda, I'm THE big, fat panda!

Which word BEST DESCRIBES how Po reacted to Tai Lung's attack?
A. sternly
B. impatiently
C. rudely
D. proudly

Asish lives with his parents in their own house. He is very keen on having a pet at home. But he needs to convince his parents on why he wants to own a pet. So, he has taken information from the passage below and presented it in a web diagram. Help him complete it by filling in the gaps in the diagram for questions 3 and 4.

Choosing the Right Pet for You

If you are thinking about adding a pet to your family, it's best to learn about the needs of different types of pets to find the one that will best suit your lifestyle. Each type of pet is different in terms of care, feeding, behaviour, cost, housing and demands on your time.

If you know what you're getting into, you're more likely to have a happy animal. Here are some questions to ask yourself as you consider what type of pet to get:

I.   What type of animal is the best fit for your home? Will you be able to live with pet hair, a litter box or the occasional wear and tear caused by pets?

II.   If you have children, how will having a pet affect them? Will everyone in your home welcome an animal?

III. If you rent, do you have permission from the property owner?

IV.   How much space do you have inside and outside your home? Will you need a fenced yard?

V.   How much time do you have to spend with a pet? Do you have time to spare for buying pet food and supplies, or for giving medical care?

VI.   What is your activity level? Are you sedentary or physically active?

VII. Do you have the financial resources for your pet's food and supplies and veterinary bills?

VIII. Do you have someone who can be a secondary carer if you are away from home? If not, how will you provide care for your pet when you travel?

Kinds of pets
• lamb
• fish
• parrot
• rabbit

2
• is a source of recreation and enjoyment
• increases energy level at home
• can help everyone stay active

1
• bedding and housing
• hygiene and regular cleaning
• a litter box

Title ?

Financial Requirements:
• monthly bills on food
• initial costs on accessories
• veterinary bills - medicines and vet charges
3

Time
• at home to play with the pet
• to shop for food and supplies
• for medical attention

Care
• dedicated person when away
• being considerate to wear and tear
• monitoring of supplies periodic
• monitoring of the health of the pet

Source: *'Choosing the Right Pet for You'* - http://www.bestfriends.org/theanimals/pdfs/allpets/choosingapet.pdf (adapted)

3 In (1), what would be the most APPROPRIATE heading?
A. Luxury
B. Pet Needs
C. Accessories
D. Medical Care

4 A pet shop has the following question in its questionnaire for prospective pet buyers:
"Are you or any of your family members allergic to animals?"

Which question in the passage serves a similar purpose?
A. Question - I
B. Question - IV
C. Question - V
D. Question - VIII

1 Choose the option that can REPLACE the underlined words in the sentence without changing its meaning.

If you do not <u>abide by</u> the rules of the institution, you may face suspension.
A. plan
B. follow
C. believe
D. dictate

2 Choose the CORRECT option that MATCHES the sentence given below.

He was known as a great playwright and as a great artist.
A. He was not known only as a great playwright and as a great artist.
B. He was not known as a great playwright but only as a great artist.
C. He was known only as a great playwright and not as a great artist.
D. He was not only known as a great playwright but also as a great artist.

Read "My Life as a Lump of Clay" and answer questions 3 and 4.

My Life As A Lump of Clay

1. It was just around the 15th century, when I was just a wet lump of clay in a potter's workshop in China. I had no idea what was going to happen to me. I just wished I could get out of that place, so I could join some of my friends. Well, finally my wish came true, but in a dizzy way.

2. First I was picked up by two coarse hands of an old Chinese man, who dropped me onto a table like a potter's wheel. Then I saw the man's foot pressing on a pedal and the table I was on, began to turn slowly. I was then moulded upwards and he dug out a hole in my bottom. That's when the table began to go even faster and I was getting so dizzy that I passed out and everything went black.

3. After that, I didn't know what happened, but when I eventually woke up I felt very hot. I looked around me and saw - fire! I must be in a kiln. I would have been in there for quite a long time as I was boiling hot. Then the door opened and the Chinese man put me on a bench and left me. I was cooling down a bit when that man came again probably to torture me for the fourth time, but I was wrong. He was actually just painting me which was nice. He finally finished painting me, then glazed me.

4. <u>And I was finished.</u>

5. I was taken to an old place and placed on a shelf for decoration. After a long time, I was put in a box in a dark cupboard. I fell asleep for a long time and when I woke up, I was where I am today - in an antique shop. I found out that I was a Ming vase made in the 15th century and I am now worth a million dollars.

6. How's that for a lump of clay?

By Rachel Cook

Source: **'My Life As A Lump Of Clay'** - *http://www.assa.org.au/bulletin/mylifeas.pdf*

3 Which of these did the speaker PROBABLY enjoy the most?
A. being worth a million dollars
B. being given the finishing touches
C. being moulded by the potter's hands
D. being placed on a shelf in the antique shop

4 The MAIN IDEA in the FIFTH PARAGRAPH focuses on which of the following?
A. desirability
B. reflection
C. realisation
D. joyfulness

Read "Q&A: Daniel Radcliffe" and answer questions 1 and 2.

Q&A: Daniel Radcliffe

Everyone's favourite wizard looks back on 10 years - November 22, 2010 by Vickie An, Times for Kids (TFK)

TFK: How does it feel now that you're done filming?

RADCLIFFE: Obviously, towards the end, it was very emotional. The first month away was very strange. But I've always said this about Harry Potter: <u>once you're in, you're never really out</u>. There is some sadness in leaving it, but I'm excited about the future.

TFK: Can you talk about Harry's emotional journey in 'Deathly Hallows'?

RADCLIFFE: Harry's faith in Dumbledore is being tested. Dumbledore has died leaving Harry with a mission and almost no information to work with. Ron and Hermione also gradually realise that Harry has no plan. They too lose faith in him leaving him more isolated and desperate.

TFK: Did you take any souvenirs from the set?

RADCLIFFE: I only wanted Harry's glasses. I didn't want the wand. I definitely didn't want the broom. I ended up getting two pairs of the glasses. Often the glasses I wear on set are lens-less, because there are camera reflections. So I've got one from the first film and one from the last. I'm very happy with them.

TFK: Looking back on the films, what would you redo?

RADCLIFFE: If I were young enough, I'd like to do the first two films again. I still find those very embarrassing to watch. But honestly speaking, I don't look back on the films too much, because I would probably say, "<u>There's so much I want to change</u>." I genuinely think you'll struggle to find an actor who is completely happy with what they've done.

TFK: If J.K. Rowling calls you tomorrow and says, "I'm writing another book," would you want to star in that movie?

RADCLIFFE: Probably not. Ten years is enough. I think the films have come to reach a rather perfect and wonderful conclusion

TFK: After 10 years, what do you walk away with as an actor and as a person?

RADCLIFFE: I will never be able to watch any of these films without immediately connecting it to the memory of that day on the set, or to what was happening in my life at the time. I walk away with a wealth of experience that many actors would kill for, in terms of the people I've worked with and learned from. I walk away, most importantly, with a love for the film and the most amazing group of friends anyone could wish for.

Source: *'Q&A: Daniel Radcliffe'*, - http://www.timeforkids.com/news/qa-daniel-radcliffe/10721 (modified)

1 "Once you're in, you're never really out."

What does this particular statement of Radcliffe's indicate?
A. There are so many people on set that you never really feel alone or like an outcast.
B. Once you're in the shoes of the lead actor, people will never see you as anyone else.
C. With so many memories attached to the movie, it's impossible to detach yourself from it.
D. The director after having cast you as the lead actor, can't fire you till the end of the movie.

2 Radcliffe wore lens-less glasses on set because _____.
A. his pair with lenses hurt his eyes if he wore them for long hours
B. his lenses would often create reflections, which hampered the shoot
C. his lenses broke while fighting and while performing magic with his wand
D. his eyesight was good and so he was unhappy about wearing glasses

Read "Umpiring Technique Manual" and answer questions 3 and 4.

Umpiring Technique Manual

Good technique is the ability to cope with all aspects of the game. On the field of play, knowledge of the laws, their intentions and <u>interpretations(1)</u> must be applied to ever-changing situations. <u>Regrettably(2)</u>, in the current world it is commonplace to question authority, and cricket umpiring has not been <u>exempted(3)</u> from this. A decision made during the first session of play may not <u>evoke (4)</u> the same emotional response from either the player or the umpire as one made late in the day when the match is in the balance. <u>Theoretical(5)</u> knowledge is one thing but making reasoned and <u>consistent(6)</u> decisions on split-second actions when under pressure is quite another.

NO-BALL   FOUR   OUT!   WIDE   SIXER!

Source: *'Umpiring Technique Manual'* - http://www.umpires.tv/publications/080814Umpiring_Technique_Manual.pdf

3 In (1), "<u>interpretations</u>" means "_____".
A. the origins of the different laws
B. the words used to phrase the laws
C. the hand signs used to apply a law
D. the ways in which a law can be used

4 In (2), which word can REPLACE "<u>Regrettably</u>"?
A. Recently
B. Similarly
C. Unnaturally
D. Unfortunately

The given passage has some blanks. Choose the correct word/phrase that should appear in the blanks, from the options given below.

Bakery Scores Surprise Hit With 'Edible iPhone'

Fans of Apple's iPhone can now travel to Japan to gobble up ___(1)___.

A small countryside bakery in western Japan ___(2)___ "iPhone cookie," a handmade chocolate biscuit decorated with colorful, edible application icons.

At first, the cookie was made just to meet a friend's request, ___(3)___ photographs of it made the rounds via the social networking site, Twitter. Since then ___(4)___.

The hand-made iCookie doesn't come cheap, ___(5)___, where the waiting time to snap up ___(6)___ as long as two months.

Sources: *'Bakery Scores Surprise Hit With 'Edible iPhone' -* http://news.discovery.com/tech/bakery-scores-hit-with-edible-iphone.html

Now choose the **CORRECT** phrases given below for the questions numbered 1 and 2 in the passage above.

1
A. a tasty cookie modelled on the popular smartphone
B. a tasty cookie modelled over a popular smartphone
C. tasty cookie modelled across a popular smartphone
D. the tasty cookie modelled from the popular smartphone

2
A. enjoys a surprise hit with it's
B. will enjoy a surprise hit with its'
C. has enjoyed a surprise hit with its
D. has been enjoying a surprise hit with it

Read "Here comes the science..." and answer questions 3 and 4.

Here comes the science...

The first and most important rule when buying a product is not to immediately be impressed by **scientific sounding words**. "These emollients are specially formulated with aqua and humectants" can be non-scientifically translated as "these lotions and creams contain water and moisturisers". Not nearly so exciting, but basically the same thing. **(1)**

Wrinkles? Don't worry!
BEFORE   AFTER

It's actually possible to measure wrinkle depth using technology originally designed for ensuring race car tracks were smooth. Even a completely straightforward moisturiser, amazingly, with no special ingredients at all, can almost instantly make wrinkles less deep. It's not rocket science. As the moisture is absorbed by the skin, it puffs up, temporarily lessening the appearance of the lines. So an instant effect can be achieved from any decent moisturiser. **(2)**

Science suggests genes have as much to do with wrinkles as anything else. If your mum's laugh lines are deep, chances are yours eventually will be too. Also, the truth is, skin ages as we grow older, and nothing will absolutely get rid of wrinkles. But scientists say that you can slow down the inevitable ageing process. The anti-ageing product with the strongest scientific support is plain and simple sun cream. Sunlight creates nasty molecules called free radicals which damage the skin by attacking the collagen which keeps skin supple and youthful. And damaged collagen leads to wrinkles. **(3)**

So, for the moment, if you want to stay young and beautiful, avoid too much sun exposure. And if you think your moisturiser is helping keep away the wrinkles, just maybe it could be working a little more than skin deep. **(4)**

- Nicola Cook

Source (edited): *'Here comes the science...'* - http://news.bbc.co.uk/2/hi/uk_news/magazine/6498421.stm

3 The author has used the term "scientific sounding words" to _____.
A. to show that advertising agencies are scientific minded
B. to imply that advertising agencies choose words that attract customers
C. to explain the serious research behind the production of beauty products
D. to caution people against words that can mean different things in different contexts

4 According to the passage, what is the reason for the instant wrinkle-reducing effect of even mediocre products?
A. skin stretching when moisture enters the skin
B. skin increasing the production of cells rapidly
C. skin preventing cell growth due to moisturiser
D. skin removing the ageing cells by opening pores

1 The gift box shown below has 8 packets of toffees arranged in it as shown.

Each packet has 6 toffees

Each packet has 6 toffees.

What is the total number of toffees in the box?
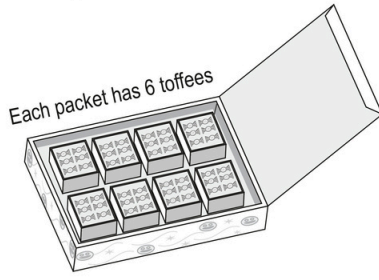
A. 6
B. 8
C. 14
D. 48

2 Given below is a pattern.

| I | ⌐ | ⌐| | ◻ | I | ⌐ | ⌐| | ◻ | I | ⌐ | ★ |

What should be the next pattern in place of ★ ?

I   ⌐   ⌐| ◻
A   **B**   **C**   **D**
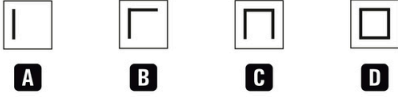
3 How many triangles are there in the figure below?
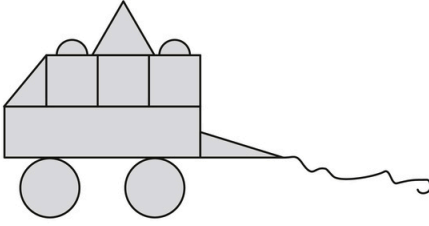
A. 1
B. 2
C. 3
D. 5

4 Kevin goes to the park at 6:30 PM and comes back after half an hour.

What time does the clock show when he comes back home?

A   **B**   **C**   **D**
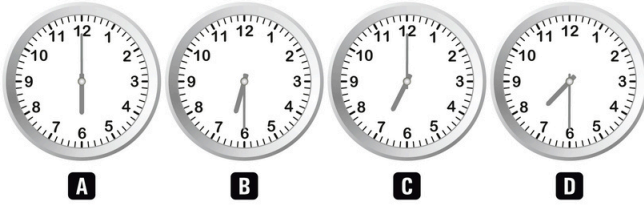
1 Nikita drew some snakes in her sketch book as shown below.

Which of these snakes is the longest?

A   B   C   D

2 What is the length of the key shown in the picture below?
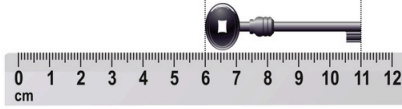
A. 5 cm
B. 6 cm
C. 8 cm
D. 11 cm

3 Meghna has 12 dolls. She gives $\frac{1}{4}$ of them to Dipti.

How many dolls did Dipti get?

A. 1
B. 2
C. 3
D. 4
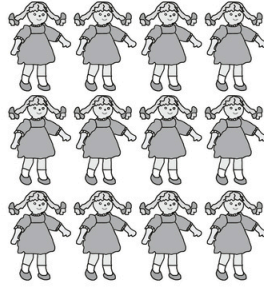
4 Ranjana is playing a game. She has to fill the boxes below with pictures of cows, sheep and chickens. Each row and each column should contain three DIFFERENT animals.

		Chicken
Sheep		Cow

She has already filled in three of the boxes.

Which animal picture will go in the shaded box?

A. Cow
B. Sheep
C. Chicken
D. (Either the cow or the sheep could go in the shaded box.)

1 Hari and Giri are painting two identical walls.

The figure below shows how the walls looked like at lunch time.

Hari   Giri

Who painted a greater part of the wall?

A. Hari
B. Giri
C. Both of them painted equal parts of the wall.
D. (We cannot say anything from the given information.)

2 Shown below is the outline of a drawing.

Which of these is a part of the outline above?

A   B   C   D

3 Shown below is a glass and a jar of equal height. Both are half filled with water.

Glass   Jar

All the water from the glass is now poured into the jar.

Which of these figures shows how the level of water in the jar would look like?

A   B   C   D

4 Five children drew a circle to play a game. At the start of the game, they stood at different locations as shown below. Ajay was at the centre of the circle.

Seema
Subhash
Ajay
Manish
Palak

Which two children were at the SAME distance from Ajay?

A. Seema and Palak
B. Seema and Manish
C. Subhash and Palak
D. Subhash and Manish

1 Raghu makes tower P with 18 identical blocks of height
3 cm each. He then makes tower Q of the same height, but with 3 identical blocks as shown.
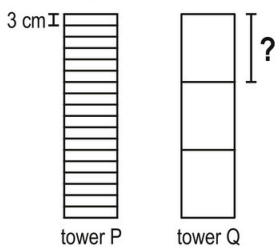
Which of these is the height of the block used to make tower Q?

A. 3
B. 6
C. 18
D. (cannot be determined from the given information)

2 Shown here is a triangle. Each side of the triangle is 1 cm long.

1 cm

4 such triangles are arranged to make a bigger triangle as shown below.
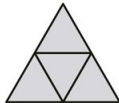
What is the perimeter of the bigger triangle?

A. 3 cm
B. 4 cm
C. 6 cm
D. 12 cm

3 Answer the question based on the below table.

The table shows the departure time of different buses from Bengaluru bus stand to different destinations.

Destination	Departure times			
Chennai	21:00	21:50	22:00	22:15
Ernakulam	15:00	18:00	19:15	20:00
Mangalore	07:45	21:15	22:20	23:15
Ooty	09:15	10:00	22:00	22:15

Geeta reaches Bengaluru bus stand at 6:20 PM. She wants to take the next bus to Ernakulam.

How long would she have to wait at the bus stand?

A. 40 minutes
B. 55 minutes
C. 1 hour 15 minutes
D. 2 hour 55 minutes

4 Look at the tile shown below.
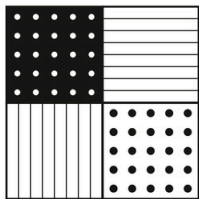
Which of the following is the same tile as the one shown above?
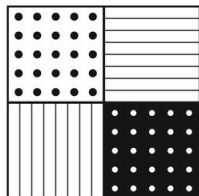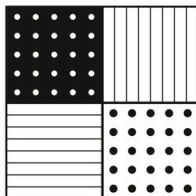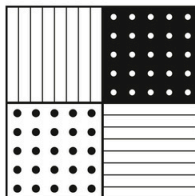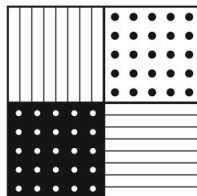
A   B   C   D

1 The product $22\frac{1}{2} \times 10$ lies between _____.

  A. 3 and 7
  B. 21 and 25
  C. 218 and 222
  D. 223 and 227

2 The figure below has three circles with centres P, Q and R respectively.
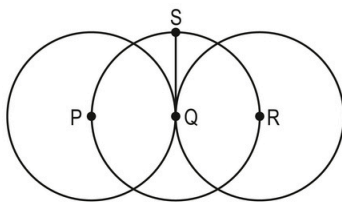
If PR = 8 cm, what is the length of QS?

  A. 3 cm
  B. 4 cm
  C. 5 cm
  D. 6 cm

3 A rectangular window pane broke into two parts as shown below.
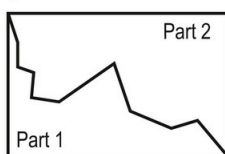
Which of these is TRUE about the perimeter of these two parts?

  A. The perimeters of both parts are the same.
  B. The perimeter of Part 1 is more than that of Part 2.
  C. The perimeter of Part 2 is more than that of Part 1.
  D. (We cannot compare the perimeters of the two parts without knowing the lengths of all the sides.)

4 Shown below are three groups made up of different objects. Group 1 is the lightest and Group 3 is the heaviest.

Group 1   Group 2   Group 3
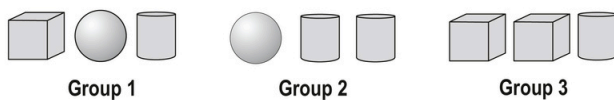
Which of these objects is the LIGHTEST?

  A. cube
  B. sphere
  C. cylinder
  D. (cannot say)

1 The figure here shows two isosceles triangles on the same base.
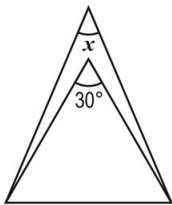
Which of the following is true regarding the angle marked x?

A. x is less than 30°.
B. x is more than 30°.
C. x is equal to 30°.
D. (cannot say without knowing the measures of other angles in the larger triangle)

2 Which of the following statements is meaningless?

A. There was a 3% decrease in the price of sugar.
B. There was a 200% increase in the population of a town.
C. There was a 120% decrease in the amount of water in a dam.
D. There was 0% change in the temperature in the room after 1 hour.

3 The graph below shows the motion of a lift.
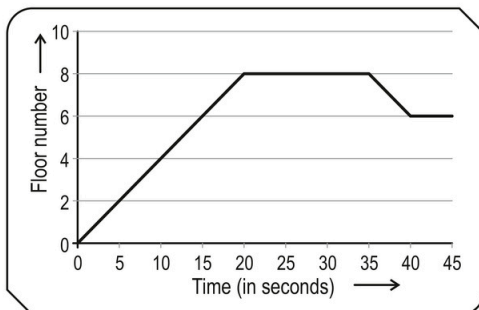
Based on the above graph, which of these is true about the motion of the lift?

A. It was in motion for a total of 25 seconds.
B. It was stationary for 20 seconds at the 8th floor.
C. It was stationary for 15 seconds at the ground floor.
D. It took 10 seconds to come down to the 6th floor from the 8th floor.

4 Shown below is a circle with centre at O and a smaller circle which passes through O.
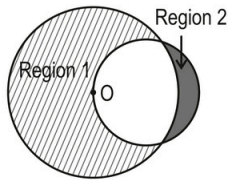
The radius of the larger circle is 15 cm and that of the smaller circle is 10 cm.

The area of Region 1 is 150π sq cm.

What is the area of Region 2?

A. 25π sq cm
B. 30π sq cm
C. 50π sq cm
D. 75π sq cm

1 p is a variable. Which of these values could $3p$ possibly take?

(i) 9	(ii) 7	(iii) 2	(iv) 11.75

- **A.** only (i)
- **B.** only (i) and (ii)
- **C.** only (i), (ii) and (iii)
- **D.** any - (i), (ii), (iii) or (iv)

2   The graph below shows the number of boys and girls who visited a park on four days of a week.
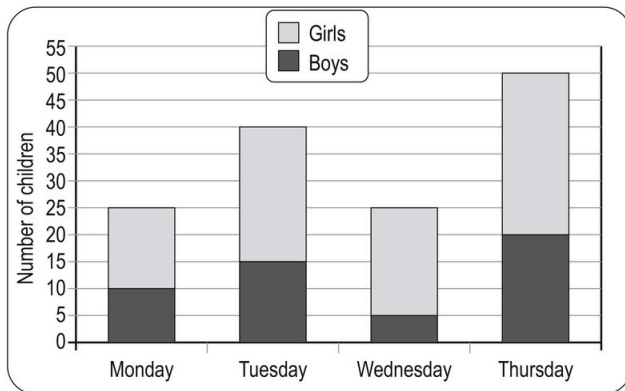
On which two days is the percentage of girls in the park that day, the same?

- **A.** Monday and Tuesday
- **B.** Monday and Thursday
- **C.** Tuesday and Thursday
- **D.** Tuesday and Wednesday

3   XYZ and PQR are two triangles such that XY = YZ and PQ = QR.
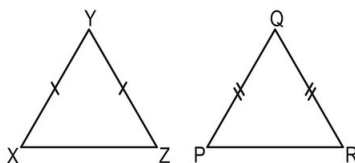
Which of these would help conclude that △XYZ is congruent to △PQR?

- **A.** XY = XZ and PQ = PR
- **B.** XY = PQ and YZ = QR
- **C.** XY = PQ and ∠XYZ = ∠PQR
- **D.** ∠XZY = ∠PRQ and ∠XYZ = ∠PQR

4   Shown below is a circle with centre at O and a smaller circle which passes through O.
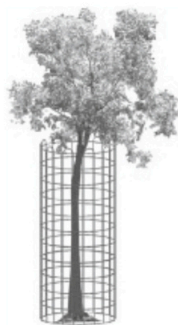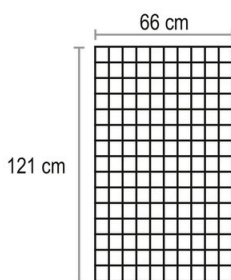
66 cm

121 cm

The radius of the larger circle is 15 cm and that of the smaller circle is 10 cm.

The area of Region 1 is 150π sq cm.

What is the area of Region 2?

- **A.** 25π sq cm
- **B.** 30π sq cm
- **C.** 50π sq cm
- **D.** 75π sq cm

1 Between which of the following pairs of numbers, can an irrational number be found?

| **pair 1:** 1 and 2 | **pair 2:** √2 and √3 | **pair 3:** √5 and √7 |

A. only pair 3
B. only pairs 1 and 3
C. only pairs 2 and 3
D. all - pairs 1, 2 and 3

2 Shown below is a parallelogram PQRS. ∆PXY is isosceles with PX = PY.

70°
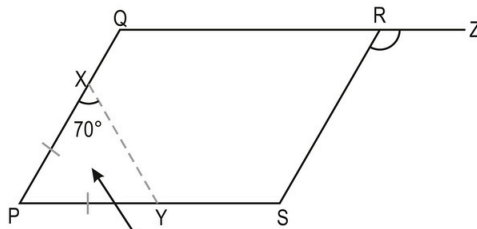
What is the measure of ∠SRZ?

PXY is an isosceles triangle

A. 40°
B. 70°
C. 110°
D. 140°

3 The graph below shows the amount of fuel left in the fuel tank as the distance travelled by a motorcycle changes.
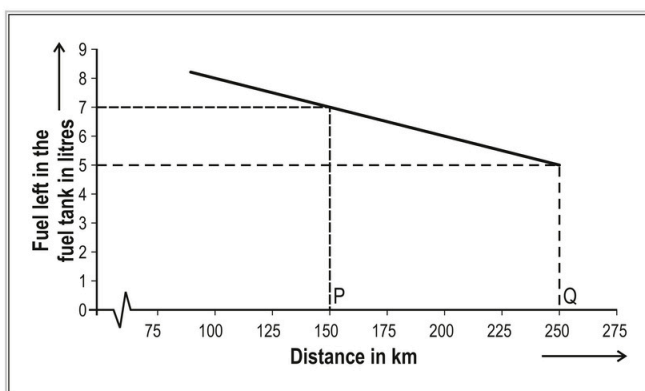
Roughly how many litres of fuel are left in the fuel tank when the motorcycle has travelled a distance of 450 km? (Note: Assume that the rate of fuel consumption per km remains the same throughout.)

A. 1 L
B. 2 L
C. 3 L
D. 4 L

4 Two of the opposite vertices of a square have the coordinates (4, –4) and (–3, 3) respectively as shown on the grid below.
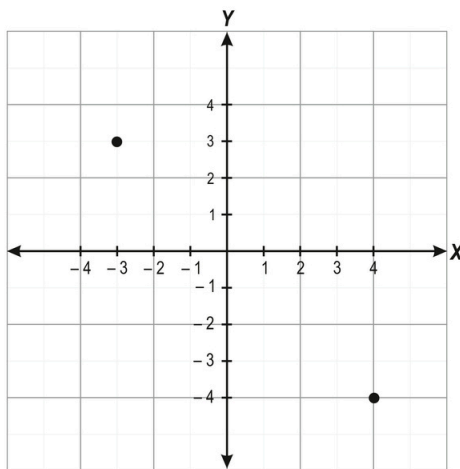
Which of the following are the coordinates of the OTHER two vertices of the square?

A. (–4, –3) and (3, 4)
B. (–4, –3) and (4, 3)
C. (–3, –4) and (3, 4)
D. (–3, –4) and (4, 3)

1 Here is a picture of a wheat plant with some parts labelled.

Which part of the plant, should a farmer put into the soil to grow new wheat plants?

A. grains
B. leaves
C. stem
D. roots

grains
stem
leaves
roots
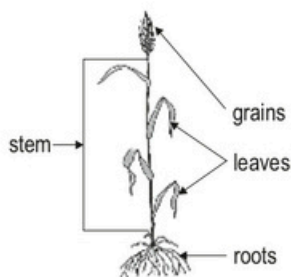
2 Which part of Feroz's body is shown in the X-ray?

A
B
C
D
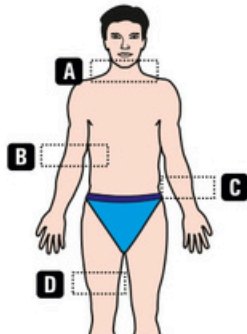
X-ray

3 Chandrika has a big balloon.

The shape of the balloon will change if it is_____.

A. carried in a bigger bag
B. thrown up in the air
C. floated on water
D. held tightly

4 On the same cloudless night, Salma saw the moon from Bangalore and Rahul from Kolkata. Salma at Bangalore, drew the shape of the moon as given below.

Full Moon

How would Rahul at Kolkata draw the shape of the moon?

Full Moon   Half Moon   Crescent   New Moon
A   B   C   D

1 The picture shows a board with sticky glue on one side. When insects like ants or cockroaches walk over the board, they get stuck to it and are trapped.

Insects stuck to the board

Sticky board
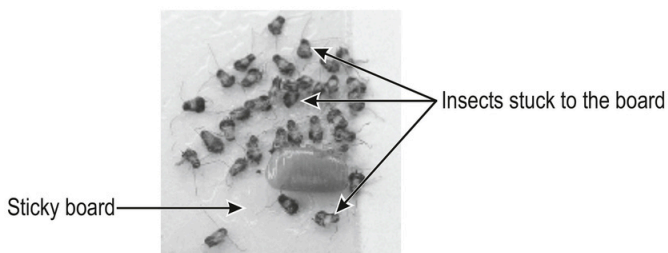
Which of the following animals also catches insects for its food by trapping them?

A. squirrels
B. spiders
C. bees
D. ants

2 Read the route that Adil takes and answer the following question.

1. Adil steps out of his house and turns left.
2. He walks for some distance and reaches a bus stop.
3. After the bus stop, he turns right, walks straight ahead and reaches an ice cream parlour.

Which of the following maps is correct based on the route Adil takes?
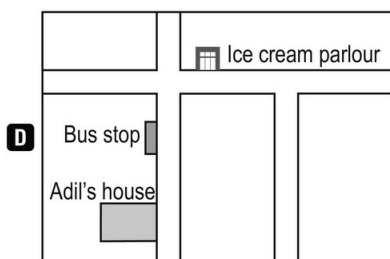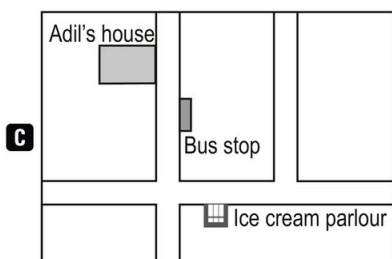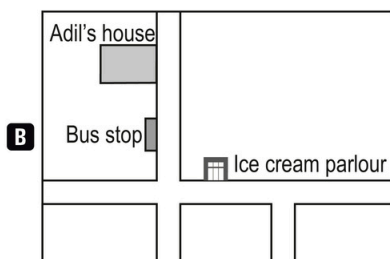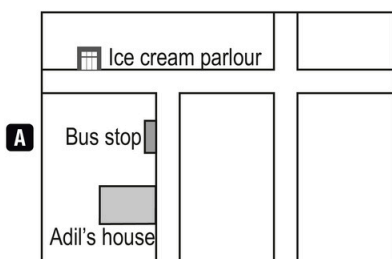
3 Bones act like a shield to protect body parts from injury and damage. Shown here is a human skeleton.
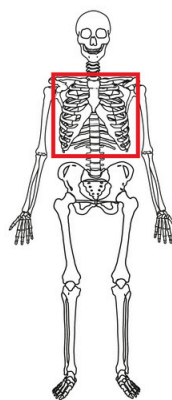
Which part of the body do the bones marked in the box protect?

A. only the heart
B. only the lungs
C. only the heart and lungs
D. only the heart, lungs and intestine

4 Priyanka is standing in a room. There is only one light bulb as shown. Of the four shadows shown, which is the correct one?
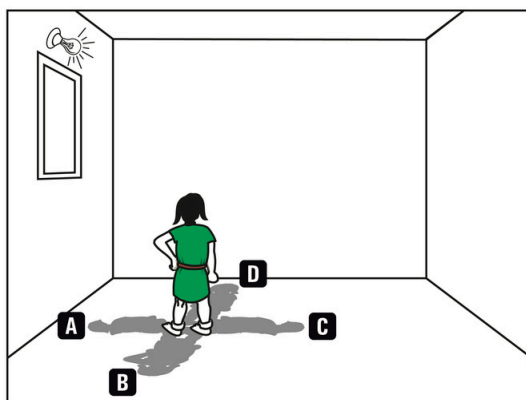
1 Fatima took a large vessel of water and carefully placed a bowl with 6 marbles on the surface of the water. The figure below shows how the bowl floated.
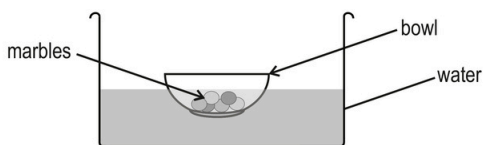
Then, Fatima took 3 marbles out of the bowl. What will happen to the bowl?

A. It will float a little lower than before.
B. It will float a little higher than before.
C. It will float at the same level as before.
D. It will sink to the bottom of the vessel.

2 The moon changes its phase from new moon to full moon as shown here.

Which of the following match phases P and Q?
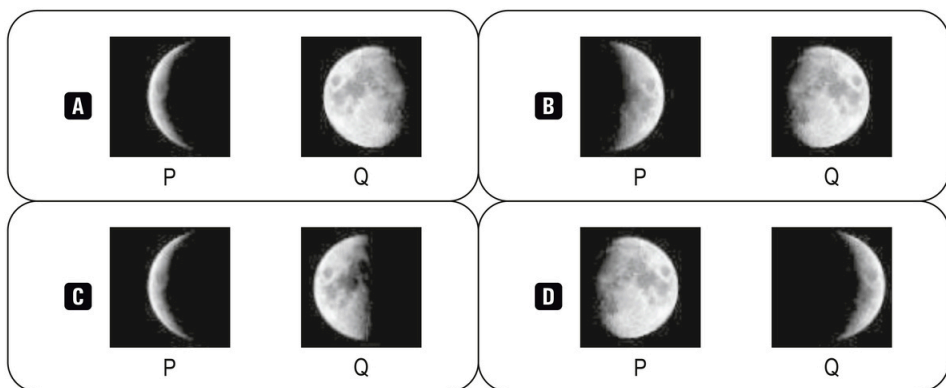
3 Shown here are two photographs taken by a person in a jungle. The girl and the elephant were walking from left to right. The second photo was taken a few seconds after the first one.

Photo 1

a few seconds later
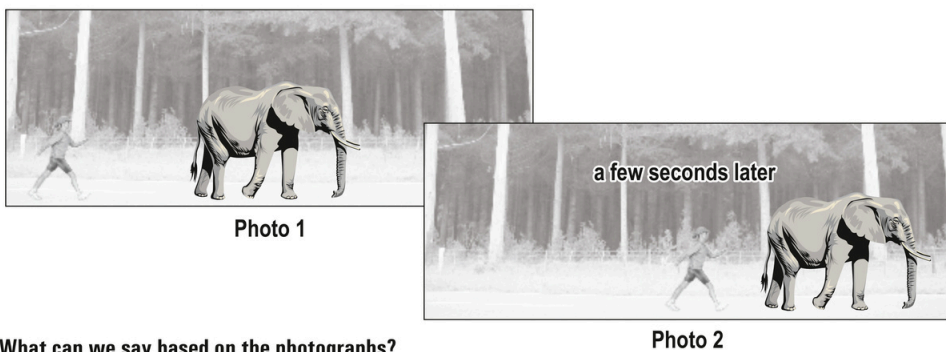
Photo 2

What can we say based on the photographs?

A. The elephant was walking faster than the girl because it is still ahead of the girl.
B. The girl was walking faster than the elephant because the distance between them decreased.
C. The elephant and the girl were walking at the same speed because they have still not reached the end.
D. We cannot say anything for sure till we know the exact time at which the two photographs were taken.

4 In which of the following pictures is a wheel helping **TO MOVE** an object?

P   Q   R

A. only P
B. only Q
C. only P and Q
D. all - P, Q and R

1 Three gases found in the Earth's atmosphere are carbon dioxide, nitrogen and oxygen. What is their order of abundance from greatest to least?

A. nitrogen, oxygen, carbon dioxide
B. nitrogen, carbon dioxide, oxygen
C. oxygen, nitrogen, carbon dioxide
D. carbon dioxide, oxygen, nitrogen

2 Shashank saw a picture of a bowl in a book (shown here).

Which of the following can Shashank definitely say about THE bowl ONLY by looking at the picture?

A. It is curved.
B. It is light in weight.
C. It is made of glass.
D. It can only be used to keep fish.

3 Shown here is an L-shaped room. There is one bulb kept in the room as shown here.

bulb→

L - shaped room
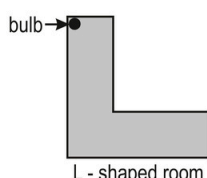
Which of the following correctly shows the parts of the room that will be BRIGHTLY lit when the bulb is switched on?
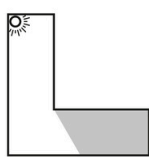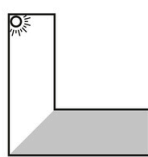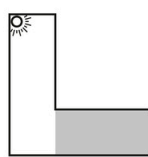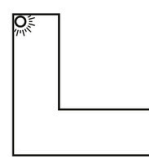
A   B   C   D

4 A ball is floating in a vessel of water (as shown in the picture).
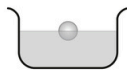
Where will the ball be if it is put in a deeper vessel with more water in it?
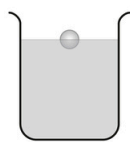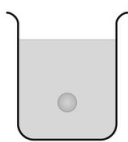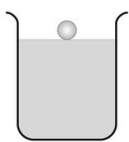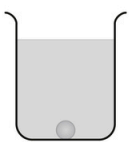
A   B   C   D

1 Rita made a new puppet using a wooden plank as shown here.

From the shadow alone, what aspect of the new puppet will the audience be able to find out?

A. its colour
B. its shape
C. its texture
D. its material
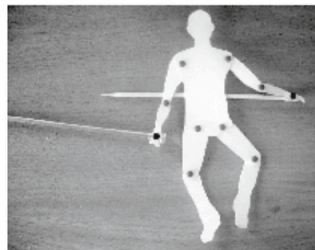
2 Adil arranges a circuit using five inter-connected rings as shown in the figure. The bulb glows in this arrangement.
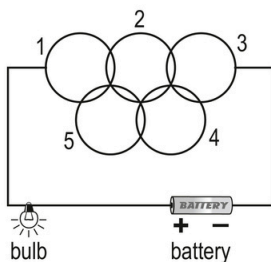

Which ring(s) should Adil remove from the arrangement to **STOP** the bulb glowing?

A. only ring 2
B. both rings 2 and 4
C. both rings 4 and 5
D. any one of these rings - 2, 4, or 5

3 Suguna uses a ramp to push her groceries in a trolley from the street up the front stairs of the building.
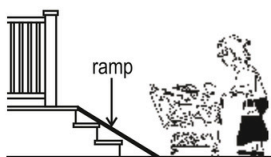
Which of the following ramps would make it easier for Suguna to push her trolley up the stairs compared to the ramp shown above?

A   B   C   D
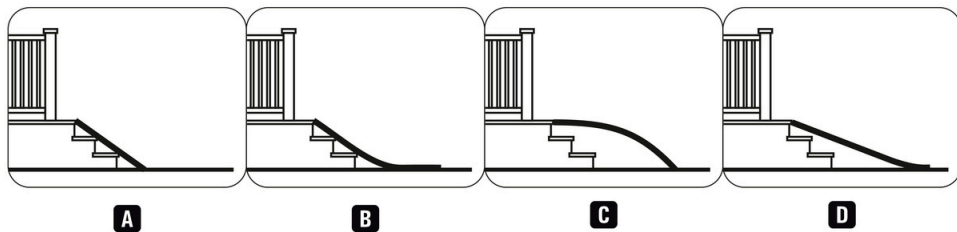
4 The given picture shows the seed of a plant called cocklebur. Choose the correct method by which this seed is dispersed.

Cocklebur
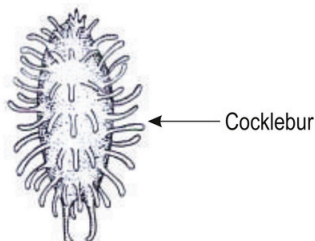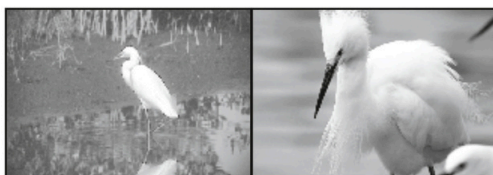
A. carried by water.
B. carried by wind.
C. carried on an animal's fur.
D. eaten by an animal.

1 Which of the following may represent a man walking at a uniform speed and a woman standing at one point?
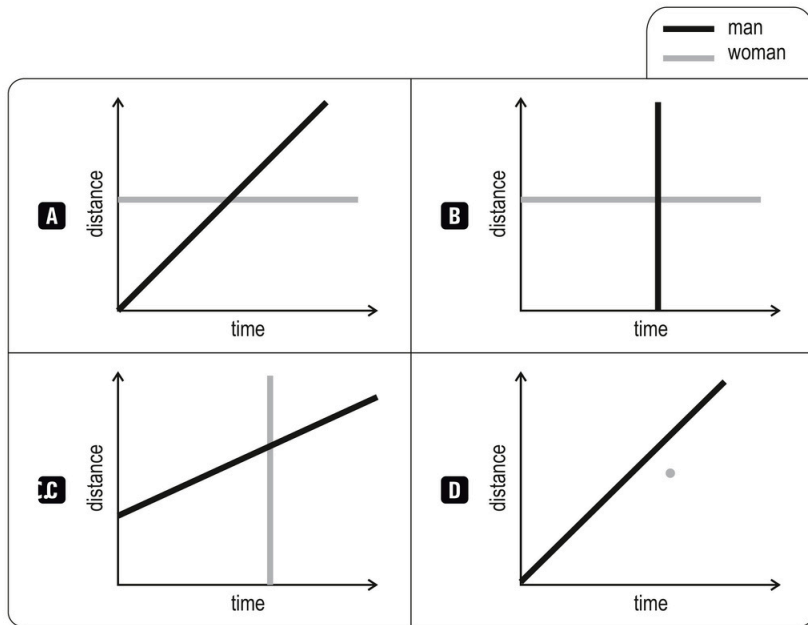
**2** In cold weather, birds fluff up their feathers to keep themselves warm.

Snowy egret with
feathers that are not fluffed

Snowy egret with
fluffed feathers

Which of the following BEST explains how fluffing of feathers helps to keep the bird warm?

A. Fluffed feathers increase the weight of the bird.
B. Fluffed feathers cover more area of the bird's body.
C. The air between fluffed feathers acts as an insulator.
D. More heat from the air can be absorbed by fluffed feathers.

3 The diagram alongside shows the Earth's path around the Sun and the tilt of Earth's axis. Which of the following patterns on Earth is caused by the tilt of Earth's axis?
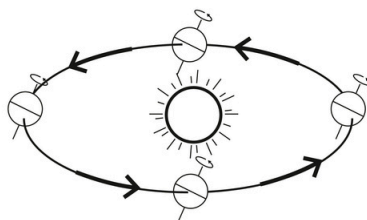
A. seasons
B. day and night
C. years
D. time zones

4 Three different substances P, Q and R are shown in three bottles.
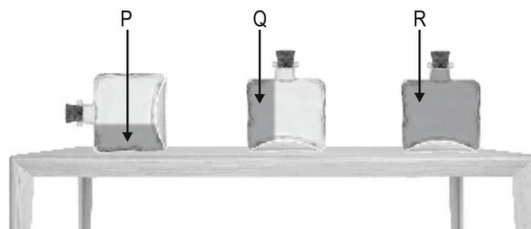
Based only on what is seen, which of the following statements is DEFINITELY true?

A. R is a gas.
B. P is a solid.
C. Q is a solid.
D. P is a liquid.

1   Nazim measures his weight by standing on the bathroom scale on both feet.

He then lifts one of his feet.

What do you think will happen to his weight now?

A. It will increase.
B. It will decrease.
C. It will remain the same.
D. We cannot say anything for sure without knowing his original weight.

2   Which of the following is the best representation of the structure of a synthetic fibre like nylon?
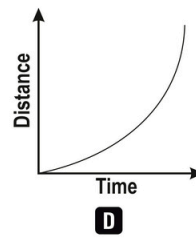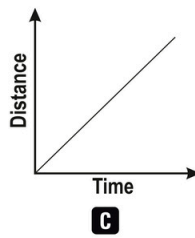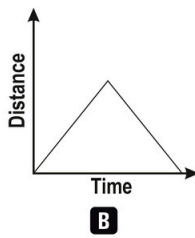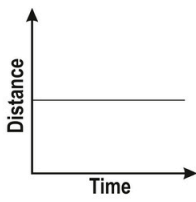
A   (many different units linked together)

B   (many identical units linked together)

C   (many units linked to a central unit)

D   (a collection of unlinked identical units)

3   The figure here shows the position of a runner at one-second intervals as he moves from left to right. Which of the following graphs will BEST represent the motion of the runner in figure?
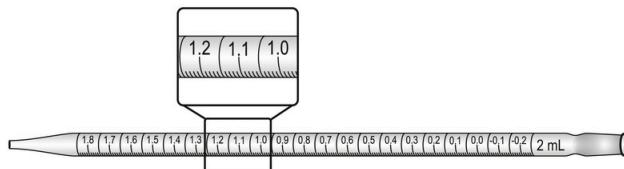

4   Which of these maps is better to use if we want to get a rough estimate of how far Alaska (a state in north-western USA) is, from Japan?
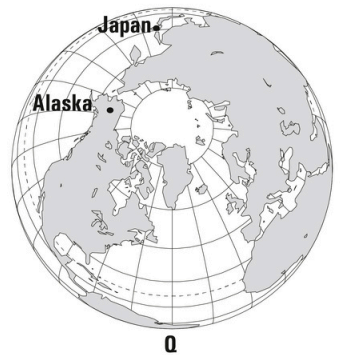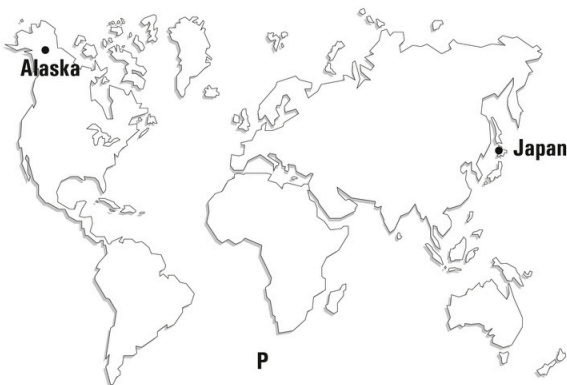
A. Map P is better.
B. Map Q is better.
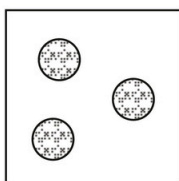C. Maps P and Q are equally good.
D. Neither map P nor Q may be used.

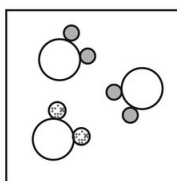**1** Shown here is a close-up of a part of a 2 mL pipette.

What is the SMALLEST volume that can be measured using this pipette?

A. 0.001 mL
B. 0.01 mL
C. 0.02 mL
D. 0.1 mL

2 Parthenocarpy is the term used to describe the development of fruits without the fusing of the male and the female gamete. Examples of such fruits are some varieties of grape and watermelon. Such fruits have no seeds in them and develop from _____.

A. plants without flowers
B. flowers without ovaries
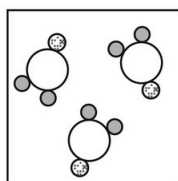C. ovaries without fertilization
D. anthers without fertilization

3 Substances are classified as elements, compounds and mixtures. Shown below are four substances. Each circle represents an atom. Which of them is a single COMPOUND?
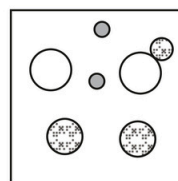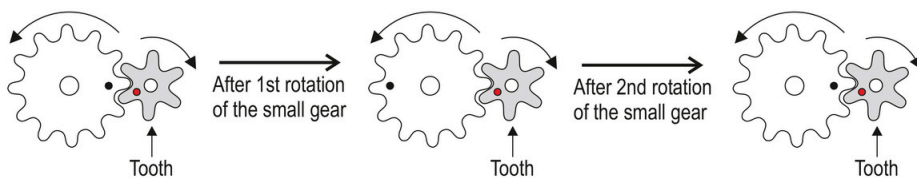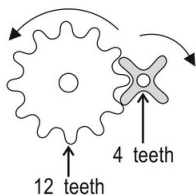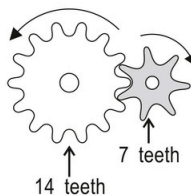

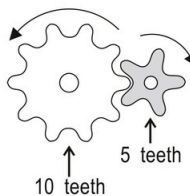**4** Gears are used to change speed in rotational movement.

When two meshing gears are such that the SAME pair of teeth in both gears meshes every time, it causes more wear and tear damaging the gears. Which of the following pair of gears will minimise this problem and last longer?
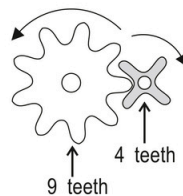
1 This image shows how people collect waste from our houses in cities.

Which of these items must ALWAYS be disposed separately in cardboard boxes to maintain the safety of the people who collect waste?

A. plastic bags
B. rubber items
C. glass bottles
D. concrete blocks

---

2 Given below is the picture of a woman casting her vote through an electronic voting machine. Why is the area around the voting machine covered?

A. so that the surrounding noise will not disturb the voter
B. so that dust will not dirty the voting machine
C. so that others will not be able to see the voter's choice
D. so that the voter can identify the location of the voting machine

---

3 Shown below is a part of India consisting of two neighbouring states.

Part of it is Chhattisgarh. Identify the other state.

A. Madhya Pradesh
B. Maharashtra
C. Jharkhand
D. Odisha

---
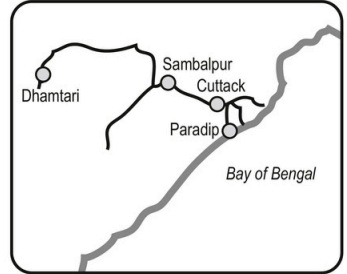
4 The ancient Roman city of Pompeii was destroyed suddenly in 79 AD (almost 2000 years ago). Hundreds of years later it was found again, buried under layers and layers of ash and rock. Footprints of people have also been found in the ash.

Which of these disasters is MOST LIKELY to have destroyed Pompeii?

A. a flood
B. a hurricane
C. a nuclear explosion
D. a volcanic eruption

1 Child labour is when children are made to work. These children may not even go to school because they work. The map here shows the risk of child labour in different countries.

Extreme risk of child labour
High risk of child labour
Medium risk of child labour
Low risk of child labour
No information

What is MOST LIKELY to be one of the MAIN causes of child labour?
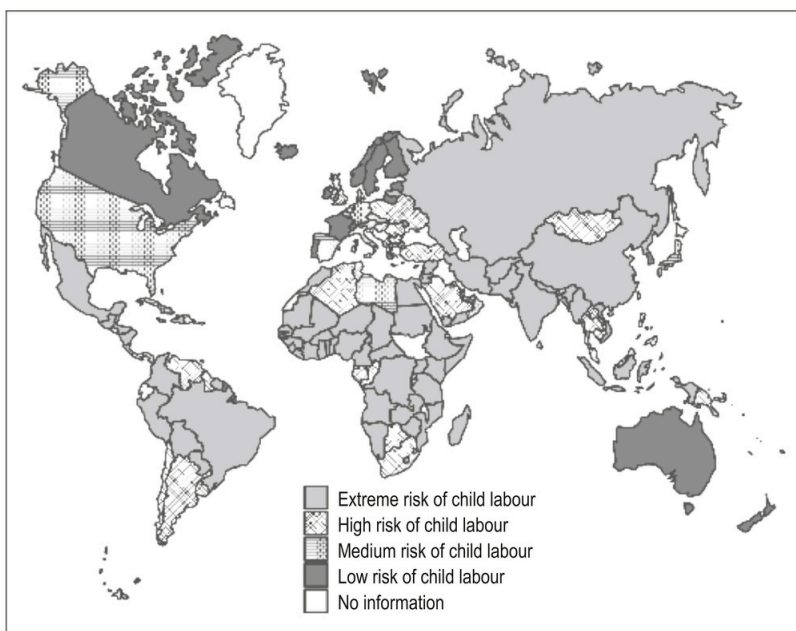
A. lack of intelligence
B. lack of natural resources
C. poverty and lack of education
D. pollution and environmental problems

2 The boys in this picture are standing in a place that's on the equator. Which one of the following continents could they be in?

A. North America
B. Africa
C. Antarctica
D. Australia

**3** This Indian Navy postage stamp says 'Reaching Out to Maritime Neighbours'. Identify one of India's maritime neighbours.
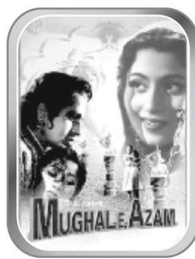

A. Nepal
B. Bhutan
C. Bangladesh
D. Afghanistan
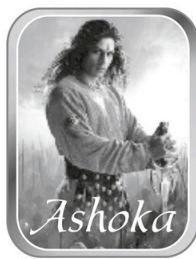
4 If you had to arrange the historical figures in these movies in chronological order (from the earliest to the most recent), which one would be the EARLIEST?

A   Mangal Pandey The Rising
B   MUGHAL-E-AZAM
C   Ashoka
D   Jodhaa Akbar
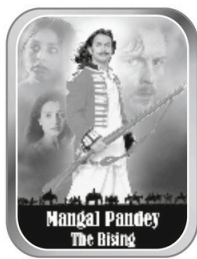
1 While making which of the following objects would the artist have had to control and use fire to a great extent?

wooden sculpture
A

stone sculpture
B

marble sculpture
C

bronze sculpture
D

2 Bluegrass is a form of American country music influenced by Scottish, English, Welsh, Irish and African-American music.

Bluegrass is traditionally played on string instruments. One of the following images shows a traditional bluegrass performance using string instruments. Identify it.

A **B** **C** **D**

3 What is the main message this cartoon conveys?

A. Biologically, men evolved much faster than women.
B. Men are physically much stronger and so can work harder than women.
C. In spite of progress, the status of women in society has not really changed.
D. Over time, men have evolved physically but the work they do has remained the same.

EVOLUTION OF MAN

AND WOMAN
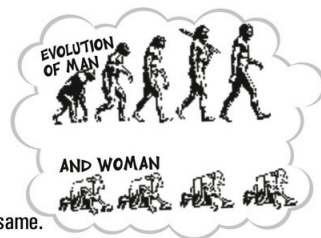
4 Shown here is a photograph of the Indus River. This photograph was taken in the

_____.

A. Ladakh region
B. Eastern Ghats
C. Andaman islands
D. Deccan Plateau

1 Traditionally, Carnatic music required the musicians to sit cross-legged on the floor. For example, the violin when played in this posture, was balanced between the chest and the foot as shown here.

By the strict criteria of this posture, which of the following instruments could NOT be easily adopted to Carnatic music?

harp	mandolin	bongo drums	saxophone
A	**B**	**C**	**D**

2 In his book on India, the Persian scholar Al-Biruni (973-1048 AD) says: "They write from left to right like the Greeks. They do not write on the line. On the contrary, their line is above, a straight line above every single letter, and from this line the letter hangs down and is written under it." This description also fits which of the scripts shown here?
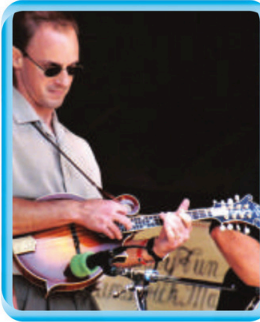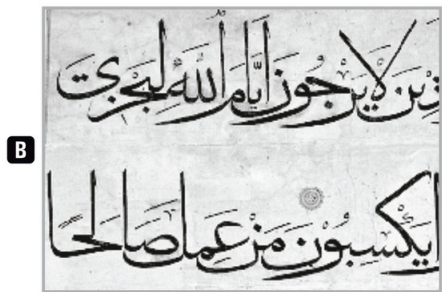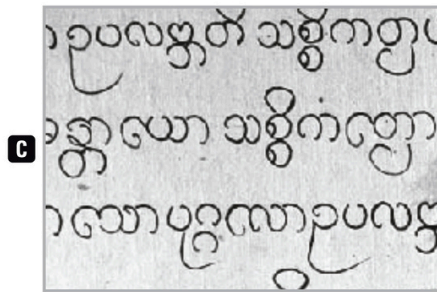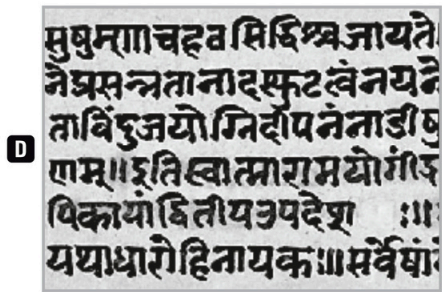

3 Here is some data on the road network in India.

Category of road	Length in km	Authorities responsible
National Highways	65,569	Central Government (through Ministry of Road Transport and Highways)
State Highways	1,30,000	State Governments (PWDs)
Major district, rural and urban roads	31,40,000	Local authorities like Panchayats and Municipalities

Farmers go to shantis or haats (village markets), usually within 20 km of their village, to sell their goods using carts or tractors. A major part of the responsibility for making sure that these goods are easily transported from fields to the nearest markets belongs to the _____.

A. individual citizens
B. central government
C. state governments (PWDs)
D. panchayats and municipalities

4 Disarmament means reducing, limiting, or abolishing weapons. This cartoon is about talks between countries for disarmament.

The cartoonist's opinion is likely to be that these talks _____.

A. are helpful and should be continued
B. will gradually eliminate weapons
C. are not actually making a difference
D. are unnecessary as weapons are required for defence
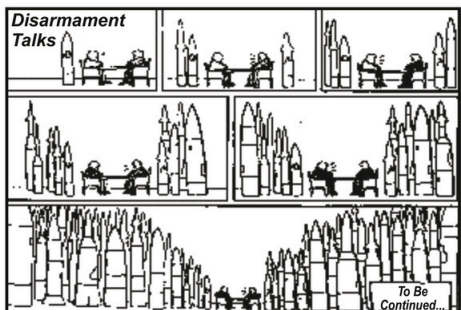
1 Shown below are four historical pillars of India.

❶ ❷ ❸ ❹

Lion Pillar, Vaishali, Mauryan Period

The Iron Pillar, Qutub Minar, Delhi, Gupta Period

Heliodorus Pillar, Vidisha, Indo-Greek Kings

Stone Pillar, Dholavira, Indus Valley Civilisation

Identify the correct chronological order of their construction from earliest to latest.

A. 1-2-3-4
B. 2-1-3-4
C. 4-1-2-3
D. 4-3-2-1

2 Look at the map here.

Mina Al Ahmadi
Kandla
Mumbai
Cochin
Chennai
Tuticorin
Colombo
Galle
Singapore

This map highlights the advantage of the location of the port of Cochin in the trans-oceanic trade between the countries around _____.

A. the Red Sea and the Bay of Bengal
B. the Persian Gulf and the South China Sea
C. the Mediterranean Sea and the Persian Gulf
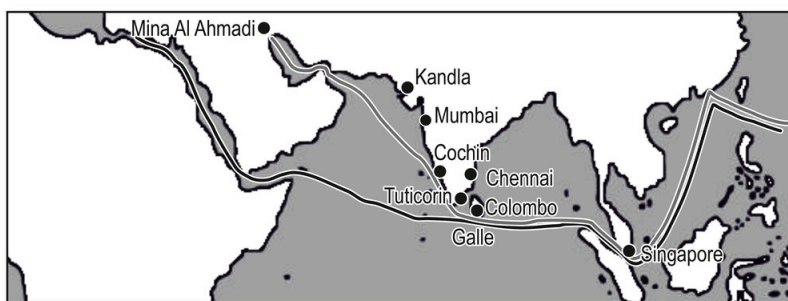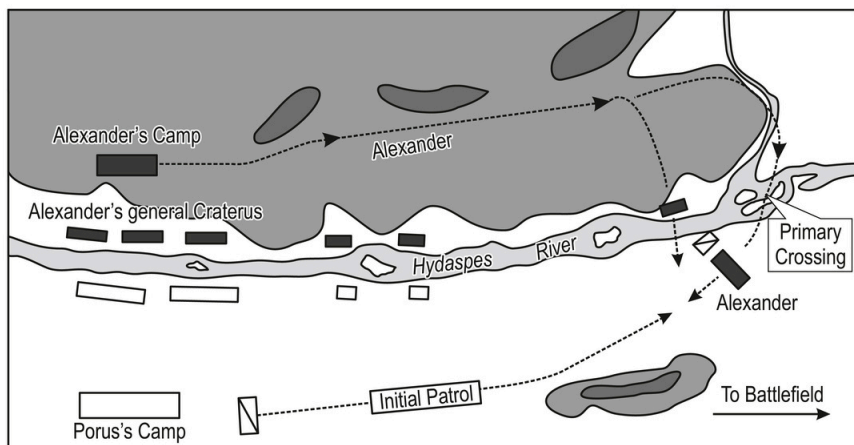**D.** the South China Sea and the South Pacific Ocean

3 This 1890s advertisement for soap uses the theme of the "White Man's Burden".

What idea about colonization was reinforced by this British advertisement?

The first step towards lightening
The White Man's Burden
is through teaching the virtues of cleanliness
Pears' Soap
is a potent factor in brightening the dark corners of the earth as civilization advances, while amongst the cultured of all nations it holds the highest place – it is the ideal toilet soap.

A. Colonization was seen as the best way to make profits by using local labour.
B. Colonization was seen as a noble enterprise that helped other backward nations to progress.
C. Colonization was considered a huge responsibility that only strong-willed people could undertake.
D. Colonization was considered easier if the local people had freedom and access to the same things as the colonizers did.
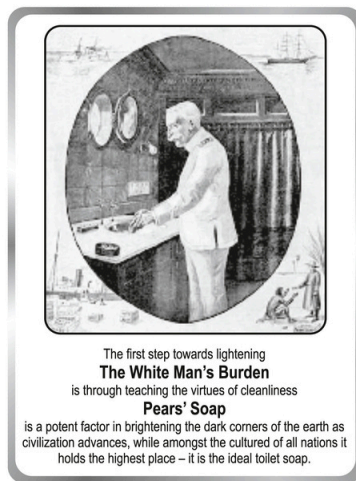
4 Shown here is a map of Alexander's strategy against King Porus of India in the Battle of the Hydaspes River in 326 BC. It was fought on the banks of the Hydaspes River in what is now modern-day Pakistan.

Alexander's Camp
Alexander
Alexander's general Craterus
Primary Crossing
Hydaspes River
Alexander
Initial Patrol
To Battlefield
Porus's Camp

Which of the following BEST describes what happened in the battle?

A. Porus sent part of his army to cross the river into Alexander's camp.
B. Alexander's general Craterus crossed into Porus's camp and defeated him.
C. Porus's generals talked to Alexander's general and decided to withdraw from the battle.
D. Alexander moved with part of his army up along the river bank and then crossed the river.

1

In Kutch, Gujarat, bhungas (mud houses) are made of various materials including wood, grass and cow dung. The roof is made of bamboo sticks and grass which help keep the interiors cool.

Adobe is a natural building material made from sand, clay, and water, with sticks, straw or dung shaped into bricks and dried in the sun. Adobe buildings are found in Spain and in the Andean region in South America.

Which of the following BEST explains the similarity of the building materials used in these two different parts of the world?

A. culture and history
B. geography and climate
C. the size of the families
D. the danger of natural disasters

2

Hammurabi (1810 to 1750 BC) is renowned for his laws known as the 'Code of Hammurabi'. It was this code that stabilized Babylon and made it the most powerful city in all Mesopotamia. A copy of this code of 282 laws was prominently displayed in the centre of the city on a stone slab (see image) so everyone could see it. Ignorance of the law was not accepted as an excuse.

What can you MOST certainly infer about the citizens of Mesopotamia from this?

A. They were encouraged to learn how to read and write.
B. They concentrated more on intellectual activities than trade.
C. The laws were not harsh and yet proper order was maintained.
D. They did not require courts or judges to maintain law and order.

3

Some students were asked to make drawings that described different effects of British colonisation on the Australian Aborigines (native Australians). Here is one of the drawings:

The drawing given here depicts how British colonisation

_____.

A. changed the daily life of the Aboriginal peoples
B. resulted in a violation of human rights of the Aboriginal peoples
C. resulted in the transfer of Australia's wealth to Britain
D. gave rise to greater inequalities in income among the Aboriginal peoples
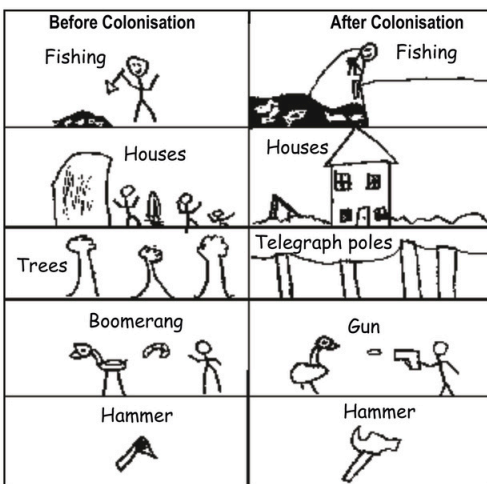
4 Read this cartoon carefully. Who, in the cartoonist's opinion, did NOT deserve to win the Nobel Peace Prize?

A. Nelson Mandela
B. Mother Teresa
C. Martin Luther King
D. Al Gore

नीचे दिए गए पोस्टर को ठीक से पढ़कर और समझकर प्रश्न संख्या 1 का उत्तर दें।

अपने हाथ साफ़ रखें।

हाथ _____(21)_____ धोने चाहिए ?

1 हल्का गरम पानी लगाकर हाथों को गीला करें

2 कीटाणुओं को मारने के लिए साबुन लगाएँ

3 झाग बनाने के लिए हाथों को मलें (कम से कम 20 सेकेंड के लिए)

4 उँगलियों के बीच में और नाखूनों के अंदर थोड़ा रगड़ें

5 हल्के गरम पानी से हाथ धो लें

6 सूखे और साफ़ **तौलिये*** से हाथ पोछें

कब-कब धोने चाहिए ?
• खाना खाने और खाना बनाने से पहले
• **शौचालय*** से आने के बाद
• खाँसी और नाक साफ़ करने के बाद
• किसी पशु–पक्षी को हाथ लगाने के बाद
• मैदान या पार्क में खेलने के बाद

शब्दार्थ
***शौचालय** – Toilet
***तौलिये** – Towel

स्रोत: http://www.squidoo.com/hand-washing-coloring-pages2.

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1 क) सलीम रोटी बनाने वाला है।
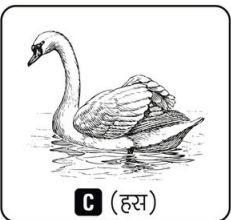ख) राजेश किताब पढ़ने वाला है।
ग) सीमा अपने कुत्ते के साथ खेलकर आई है।

पोस्टर के अनुसार, इनमें से किसे हाथ धोने की ज़रूरत है ?
A. केवल सलीम और सीमा को
B. केवल राजेश और सीमा को
C. केवल राजेश को
D. केवल सीमा को

---

2 नीचे दो वाक्य हैं, जिनमें <u>एक ही शब्द का प्रयोग</u> है। वह शब्द किस विकल्प में है ? चुनें–
अच्छे काम का _____ भी अच्छा होता है।
मुझे _____ खाना बहुत पसंद है।

A. आम
B. अंत
C. हल
D. फल

---

3 नीचे दिए चित्रों में जिसके नाम के पहले अक्षर पर <u>चन्द्रबिन्दु</u> लगता है, वह चुनें।

A (अंगूर) **B** (झंडा) **C** (हंस) **D** (साँप)

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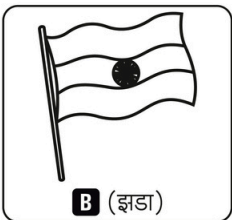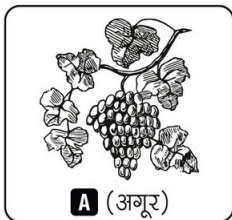
4 बचपन में हम गुड्डे और _____ का खेल खेला करते थे।
खाली जगह के लिए <u>सही वर्तनी</u> का शब्द चुनें।
A. गुड़ियों
B. गुड़ीयों
C. गुड़ियाएँ
D. गुड़ीयाँओं

1 नीचे दिया वाक्य इनमें से किस पत्ती के लिए कहा गया है ?
"नीचे से जो दोनों ओर से गोलाई लिए है और आगे जाकर वह नुकीली हो जाती है।"

A   B   C   D

2 नीचे लिखी कविता में रेखांकित शब्दों को पहले अक्षर के मात्राक्रम के अनुसार जमाएँ।
छींके पर रखा छुआरा, चूहे भाई ने छककर खाया,
आहट हुई तो हुए छूमंतर, छोटू उनको पकड़ न पाया।

A. छककर, छुआरा, छूमंतर, छींके, छोटू
B. छककर, छींके, छोटू, छुआरा, छूमंतर
C. छककर, छोटू, छुआरा, छूमंतर, छींके
D. छककर, छींके, छुआरा, छूमंतर, छोटू

3 इनमें से किस विकल्प में एक ही समूह के शब्द आए हैं ?
A. तोता, अंगूर, कौआ, कबूतर, शेर
B. फूलगोभी, टमाटर, आलू, भिंडी, मूली
C. गुजराती, मराठी, पीपल, पंजाबी, भोजपुरी
D. रसगुल्ला, गुलाब जामुन, बरगद, बर्फी, दही

4 बूझो एक पहेली–

तीन अक्षर नाम है मेरा,
प्रथम कटे तो तली जाती हूँ,
तीनों को यदि दो मिला,
तो झट से मैं उड़ जाती हूँ.

A. पुतली
B. पतंग
C. चिड़िया
D. तितली

1 अच्छे नंबरों से पास होने पर माँ ने हरित को दो सौ रुपए दिए। उसी शाम उसकी दीदी आई और खबर सुनकर उन्होंने उसे सौ रुपए दिए। इस पर मन-ही-मन खुश होकर हरित ने कहा, "अरे वाह! यह तो _____ हो गया"।

उचित <u>मुहावरा</u> चुनकर वाक्य पूरा करें।

A. गागर में सागर
B. सोने पर सुहागा
C. नहले पर दहला
D. ऊँट के मुँह में जीरा

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2 'मेरे लिए यह घड़ी <u>मूल्यवान</u> है।' रेखांकित शब्द के <u>विपरीत अर्थ वाला</u> शब्द चुनें।

A. बेमोल
B. अमूल्य
C. बहुमूल्य
D. मूल्यहीन

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3 अनीश ने कहा कि उसकी बहन के नाम का अर्थ 'फूल' है। इनमें से कौन-सा विकल्प उसकी बहन का नाम हो सकता है?

A. कमला
B. कुसुम
C. सुधा
D. मधु

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4 बूझो और बुझाओ –

तीन अक्षर का मेरा नाम,
प्रथम कटे 'समूह' हो जाता।
मध्य कटे तो 'केश'
अंत कटे तो 'बाद' बन जाता।

बूझो तो मैं हूँ कौन?

इसका सही उत्तर किस विकल्प में हैं? चुनें।

A. आबाद
B. आकाश
C. बालक
D. बादल

1 मेरे पास एक कॉमिक्स की किताब है, जिसे पढ़ने के लिए मेरे छोटे भाई-बहन आपस में लड़ते रहते हैं। यह तो _____ वाली बात हो गई।

उचित कहावत से वाक्य पूरा करें।
A. दूर के ढोल सुहावने
B. एक अनार, सौ बीमार
C. काला अक्षर भैंस बराबर
D. अधजल गगरी छलकत जाए

2 शिक्षिका ने कुछ छात्रों के नाम अपने रजिस्टर में लिखे –
कुमुद, क्षितिज, केतकी, कंगना, कार्तिक, कृतिका

यदि वह इनके नाम <u>शब्दकोश-क्रम</u> में लिखती है, तो '<u>कृतिका</u>' का नाम <u>किस स्थान पर आएगा</u> ?
A. दूसरे
B. तीसरे
C. चौथे
D. पाँचवे

3 मनिका ने कहा, "मैं <u>सवा बजे</u> खाना खाने जाऊँगी।" घड़ी के अनुसार, मनिका के खाने का समय किस विकल्प में दिया है ?

A   B   C   D

4 साहिल बड़े गर्व से कह रहा था, "मेरी मम्मी एक बहुत अच्छी '<u>हाउस वाइफ़</u>' है।" रेखांकित अंग्रेज़ी-शब्द के लिए <u>सही वर्तनी वाला</u> हिंदी शब्द चुनिए।
A. ग्रहणी
B. गृहणी
C. ग्रहिणी
D. गृहिणी

1 चार छात्रों ने कुछ शब्दों को अपने अनुसार <u>वर्णमाला-क्रम</u> में लिखा।

रेखा- दस्तावेज़, निरीक्षण, बरबस, मुंगेरी, मृदुल

राकेश- बरबस, मुंगेरी, मृदुल, दस्तावेज़, निरीक्षण

निखिल- बरबस, दस्तावेज़, मृदुल, मुंगेरी, निरीक्षण

अक्षत- दस्तावेज़, बरबस, निरीक्षण, मुंगेरी, मृदुल

इनमें से किसका क्रम <u>सही</u> है ?

A.   रेखा का

B.   राकेश का

C.   निखिल का

D.   अक्षत का

2 इनमें से कौन-सा मुहावरा, वाक्य प्रयोग की दृष्टि से <u>गलत</u> है ?

A.   आजकल की दुनिया में, अधिकतर लोग **अपना उल्लू सीधा करने में लगे रहते हैं।**

B.   बिजली जाते ही मेरे कमरे में **दीपक तले अँधियारा हो गया था।**

C.   बेटे के मोह में तो जैसे उसकी **अक्ल पर पत्थर ही पड़ गए हैं।**

D.   चोरी पकड़े जाने पर चोर **अपना-सा मुँह लेकर रह गया।**

3 'उसने जैसे ही पान खाया, वैसे ही चकरा कर गिर पड़ा' यह एक <u>मिश्र वाक्य</u> है।

यदि इसी बात को <u>संयुक्त वाक्य</u> में लिखें, तो वह कैसा होगा ? सबसे उचित विकल्प चुनें।

A.   जैसे ही उसने पान खाया, चकरा गया।

B.   वह पान खाकर, चक्कर खाकर गिर पड़ा।

C.   उसने पान खाया और चकरा कर गिर पड़ा।

D.   पान खाते ही उसे चक्कर आए, वैसे ही गिर पड़ा।

4 'राष्ट्र' शब्द में किन-किन वर्णों की ध्वनि <u>आधी</u> (स्वर-रहित) है ?

A.   ष और ट की

B.   ष और र की

C.   र और ट की

D.   केवल ष की

1 Amar, Bob and Clara are playing a word-game. They have to say a word that starts with the last letter of the previous word. So if Amar says 'water', Bob can say 'rice', as 'water' ends with the letter 'r' and 'rice' starts with that letter.

If Amar says 'eight', Bob says a word and then Clara says 'ten', what can Bob's word be?

A. neat
B. nine
C. tent
D. twelve

Correct Answer: Option C

2 Three puzzle pieces fit together as shown below:

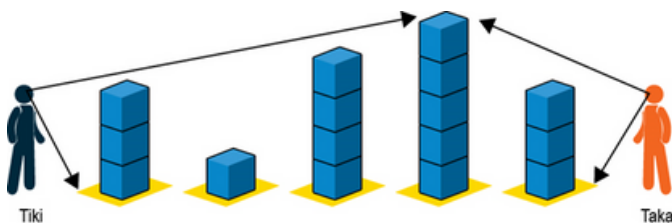Which of the given pieces could fit into the top left corner?
Note: You can rotate the pieces.

A. Only P
B. Only P and Q
C. Only P, Q and R
D. P, Q, R and S

Correct Answer: Option D

3 Tiki and Taka are standing on two sides of a room with 5 towers made of boxes between them. Each tower has a different number of boxes from 1 to 5. A taller tower will perfectly hide a shorter tower behind it.
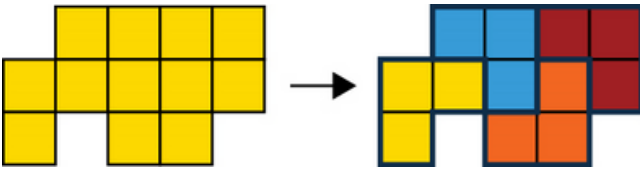

If Tiki and Taka are standing as shown, how many towers can each one see?
A. Tiki: 4 towers Taka: 3 towers
B. Tiki: 4 towers Taka: 2 towers
C. Tiki: 3 towers Taka: 2 towers
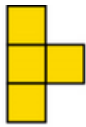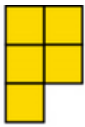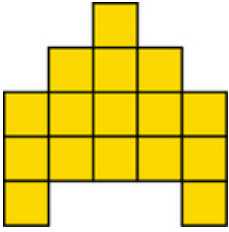D. Tiki: 5 tower Taka: 5 towers

Correct Answer: Option C

4 If we divide the following figure into 4 equal parts such that each part looks the same, we get the following:

Using the same idea, if we divide the following figure into 4 parts, what will each part look like?

(Note: you can rotate a part but not change the position of the blocks)
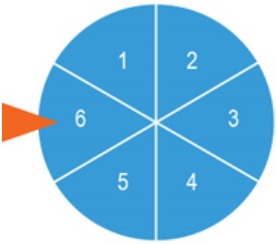
A   B   C   D

Correct Answer: Option C

5 Wasim is playing a game of 'spin the wheel'. He gets a number each time he spins the wheel.:

He spins the wheel twice. After the first time, he notes down the SHAPE and the second time he notes down the COLOUR next to the number from the table below. Based on this, for example if he spins the wheel twice and gets a 4 and a 1, he draws a HEART in WHITE colour.

Wasim spun the wheel twice and got a 6 and a 3. What would he draw as per the rule?
A. a blue triangle
B. a blue rectangle
C. a purple triangle
D. a purple rectangle

Number on wheel	Shape	Colour
1	Circle	White
2	Square	Pink
3	Rectangle	Blue
4	Heart	Yellow
5	Star	Green
6	Triangle	Purple

Correct Answer: Option A

6 A group of 4 friends have 4 pets - a cat, a parrot, a fish and a dog. The group has 2 boys named Sayyed and Subodh and 2 girls named Shireen and Sharanya. We have the following clues:

1. Each friend has a different pet.
2. No girl has a dog.
3. Shireen's pet has 2 legs.
4. Both Sharanya and Sayyed do not have a fish.

	🐱	🦜	🐟	🐶
Sayyed				
Subodh				
Shireen				
Sharanya				

(Use this table to mark the correct owner-pet combination with a tick and the wrong ones with a cross)

Who has the cat?
A. Sayyed
B. Subodh
C. Shireen
D. Sharanya

Correct Answer: Option D

1 Wordle is a fun word game that has become popular recently. The objective of the game is to find a 5-letter word within 6 tries. For every guess, the system will show if a letter is in the word and if it is in the correct spot.

For example, IF the system showed the following after a person guessed WATER as the word:

THEN

The letter A is in the word and in the correct spot.
The letter R is in the word, but not in the correct spot.
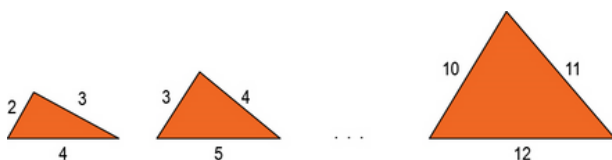The letters W, T and E are not in the word.

So, the correct answer could be RAPID (R in another spot, A in the same spot and no W, T or E), but it cannot be RAISE (since it has an E) or ROAMS (since A is in a different spot).

In which of the following sequences can "SLEPT" be the answer?

Correct Answer: Option B

2 A mathematician drew the following sequence of triangles for his students:

(Note: The triangles shown here are not drawn to scale.)

He started with a triangle of sides 2, 3, and 4 units. Then he drew a triangle of sides 3, 4, and 5 units, and so on. When he finished, the last triangle was of sides 10, 11 and 12 units.

There are some sides that appear in 3 different triangles. For example, side of length 5 units appears in triangles having sides as (3,4,5), (4,5,6), & (5,6,7).

In total, how many such sides are there in this sequence?

A. 6
B. 7
C. 8
D. 9

Correct Answer: Option B

3 Sneha's mother planted five of Sneha's favourite flower seeds in a row: Rose, Tulip, Daisy, Sunflower, and Lavender. She left the following clues for Sneha to find out which flower would grow where:

1. The Rose is planted to the immediate right of the Lavender.
2. The Tulip and Sunflower seeds are next to each other.
3. The Daisy is not at the first nor in the last position.
4. The Sunflower is planted to the left of the Daisy.

Which order were the flower seeds planted in?
A. Tulip, Sunflower, Daisy, Lavender, Rose
B. Tulip, Lavender, Rose, Sunflower, Daisy
C. Lavender, Rose, Daisy, Sunflower, Tulip
D. Tulip, Sunflower, Daisy, Rose, Lavender

Correct Answer: Option A

4 Aisha loves reading about Indian history and came up with a fun puzzle for her brother Bilal. Aisha: Here are 4 battles in Indian history and 4 years, but they are NOT matched correctly with each other.

| Historical Event	Date
The Battle of Plassey	1526 AD
The Battle of Wan	1576 AD
First Battle of Panipat	1726 AD
The Battle of Haldighati	1757 AD

Here are some clues to help you:
 1. The Battle of Haldighati and the Battle of Wan were separated by 150 years.
 2. The Battle of Plassey was fought more than 200 years after the First Battle of Panipat.
 3. the Battle of Haldighati was fought 50 years after the Battle of Panipat.

 Which of the following battles must have been fought in the year 1576 AD?
A.The Battle of Wan
B.The Battle of Plassey
C.First Battle of Panipat
D.The Battle of Haldighati

Correct Answer: Option D

5 The hanging decoration below is called a 'mobile' where you hang different shapes on threads and try to balance both sides.
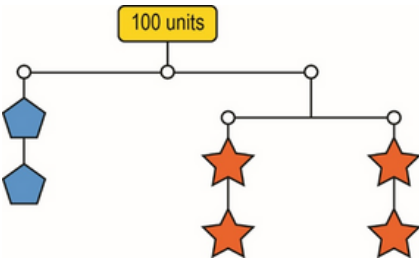
If the given mobile is prefectly balanced, then a ⬠ has the weight as of hou many ★ ?

A.   2
B.   3
C.   4
D.   5

Correct Answer: Option A

1 There are 110 marbles in a jar, some white and some black. There are 100 MORE white marbles than black marbles. How many black marbles are there?
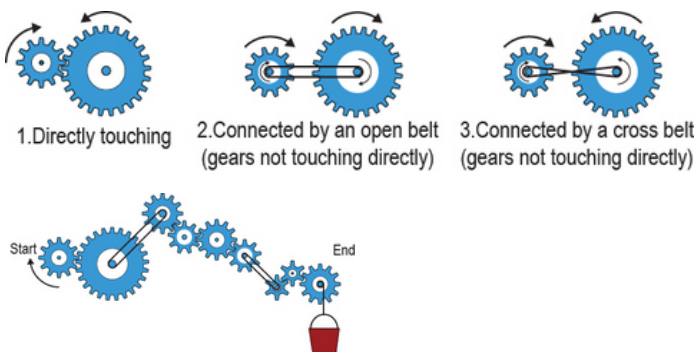
A.5
B.10
C.90
D. 100
Correct Answer: Option A

2 Engineers use gears when they want to transmit motion from one part of a machine to another or change the direction of motion between certain parts.

Here is how two gears move based on how they are connected:
1. Directly connected: The two gears move in opposite directions.
2. Connected by an open belt: The two gears move in the same direction.
3. Connected by a cross belt: The two gears move in opposite directions.


1.Directly touching   2.Connected by an open belt   3.Connected by a cross belt
                        (gears not touching directly)   (gears not touching directly)

If the first gear starts to move in the direction shown, in which direction will the bucket attached to the gear move?

A.up
B.down
C. (The bucket will not move.)
D.   (It is not possible to determine the direction in which the bucket would move.)

Correct Answer: Option B

3 In the given boxes, each circle, square and triangle has a value attached to it. The value of each shape is added to get the total value of the box.
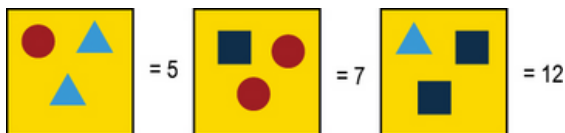
The given figure has 6 items inside it. They could be circles, triangles or squares and their total value is 20.
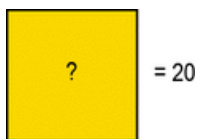
How many squares must it have?
A. 1
B. 2
C. 3
D. 4

Correct Answer: Option C

4 'Prahar' is a Sanskrit term that refers to a unit of time in ancient Indian tradition. It represents a part of the day, approximately 3 hours long. Rohan wanted to measure time in prahars. He bought a few candles, each of which would burn for exactly 3 hours. He would light a new candle after every 3 hours to keep track of the prahars.
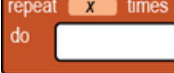
Rohan lit the first candle at exactly midnight and continued lighting new candles every 3 hours.

If 16 hours have passed after he lit the first candle, how many candles has he lit so far?
A.5
B.6
C.15
D. 16

Correct Answer: Option B

5 In a certain video game, commands are given to a robot mouse to make it move on the screen. The mouse understands 4 commands:

move forward	move 1 tile ahead in the direction you are facing and eat the nut on that tile
turn right ⟳	turn right in its place
turn left ⟲	turn left in its place
repeat **x** times do	repeat all the commands inside this block x times

For example: If the mouse has to eat all the nuts in the below grid, the following commands are given.
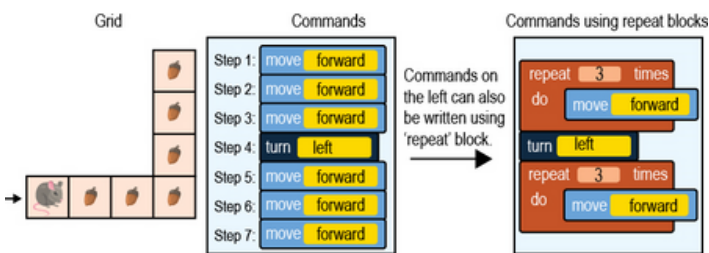
6 If the repeat block in the video game is NOT working, how many commands are needed for the mouse to eat ALL nuts in the below 50x50 grid?
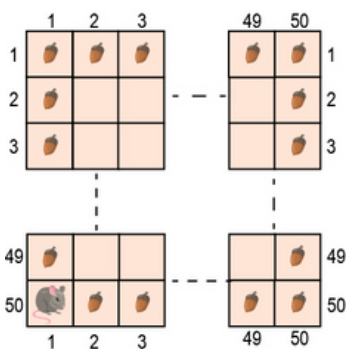
A. 204
B. 200
C. 198
D. 196

Correct Answer: Option C

7 Radha's grandmother Pratima told her that in the 1970s and 1980s many small value coins were widely used in India. Some of these are shown below.

5 paise   10 paise   25 paise   50 paise   100 paise (1 rupee)

(Note: 100 paise = 1 rupee.)
Sometimes people request for 'small change', i.e. they exchange a larger value coin for smaller value coins that add up to the same amount. For example:
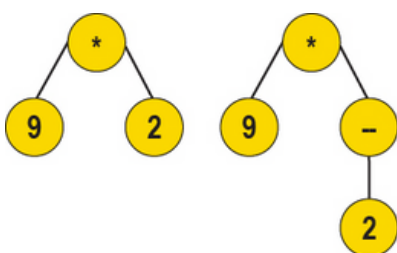

One day, Pratima had 6 coins that added up to 1 rupee and 15 paise. But she found that she did NOT have the exact change for 1 rupee or for 50 paise or for 25 paise or for 10 paise in smaller coins.

What coins did she have?

Correct Answer: Option D

8 We can depict 9 * 2 and 9 * - 2 using the expression trees shown below:

Note that expressions include the order in which operations have to be performed. So, Figure 1 denotes 3 + (9 * 2) while Figure 2 denotes (3 + 9) * 2
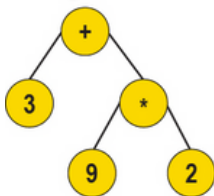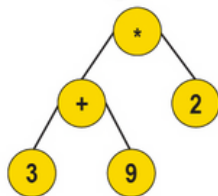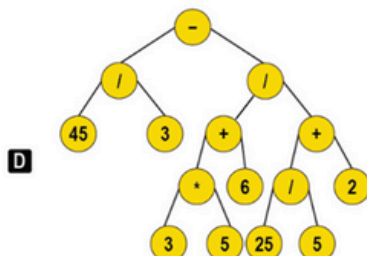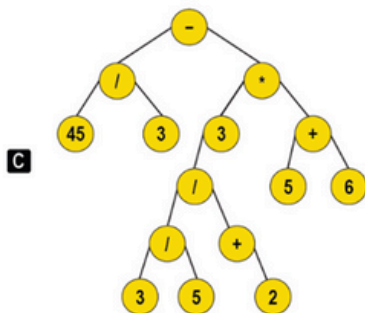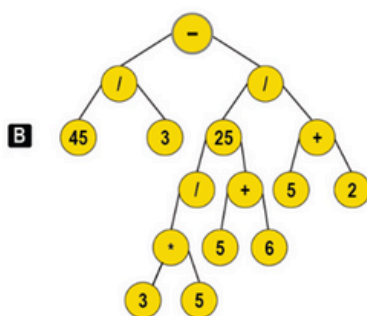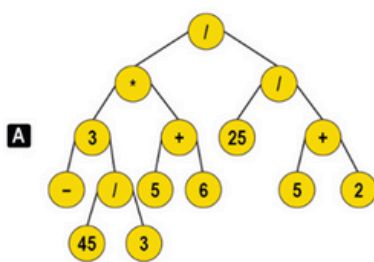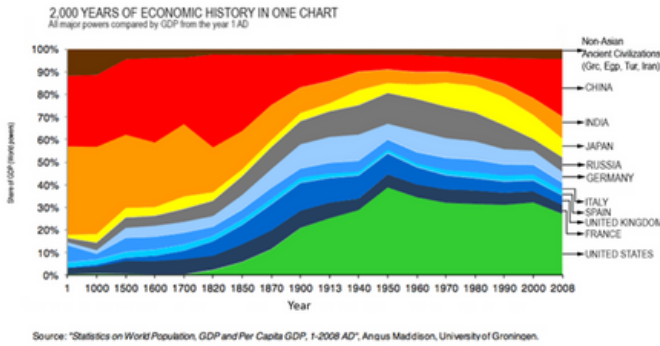
Figure 1   **Figure 2**

Identify the most appropriate expression tree for the expression given below:
(45 / 3 − ((3 * 5 + 6) / (25 / 5 + 2)))

Correct Answer: Option D

1 The GDP (Gross Domestic Product) can be understood in simple language as the 'amount of wealth or value created by a country in a given period'. The following chart shows how this wealth creation was distributed in the world from 1 AD to 2008 AD (i.e. across roughly 2000 years). The HEIGHT of the graph of a particular country or group shows the share of their GDP at that point in time. For example, in the year 1 AD the share of wealth of India is roughly 40% (60% - 20% of the total wealth in 1 AD).

2,000 YEARS OF ECONOMIC HISTORY IN ONE CHART
All major powers compared by GDP from the year 1 AD

Source: "Statistics on World Population, GDP and Per Capita GDP, 1-2008 AD", Angus Maddison, University of Groningen.

(Notice that the 'jump' between successive year-values is not the same throughout 1 AD to 2008 AD.)

Among the given years, in which year did Germany have the HIGHEST SHARE of GDP?
A.1970
B.1950
C.1913
D.1820

Correct Answer: Option C

2 The table below shows some English phrases and their Greek translations. The phrases are IN JUMBLED ORDER.

English	Greek
Poisonous snake	Sérnetai fídi
Poisonous spider	Dilitiriódes fídi
Black snake	Kafé myrmínki
Crawling ant	Mávro fídi
Crawling snake	Dilitiriódis aráchni
Brown ant	Sérnetai myrmínki

(Note: Words in Greek have masculine and feminine forms (e.g. Dilitiriódes vs. Dilitiriódis). This is NOT a typo/printing error.)

Which of these are words for colours in Greek?

A. Mávro
B. Mávro & Kafé
C. Sérnetai & Kafé
D. Mávro & Dilitiriódis

Correct Answer: Option B

3 Based on the table above, which of these COULD be the Greek translation of 'Black Widow Spider'?

A.Mávro fídi chíras
B.Kafé fídi aráchni
C.Mávri chíra aráchni
D. Kafé myrmínki chíras

Correct Answer: Option C

4 Pipelining is the process of doing as many things at the same time as possible, to save time. In a certain automobile factory, cars are assembled at four stations in the following order:

Station 1: Engine Installation
Station 2: Body Assembly
Station 3: Paint Shop
Station 4: Quality Check

A car must pass through all 4 stations. A station can only work on 1 car at a time and it takes 1 hour for each station to finish working on a car. Three cars - Thunder Tracer (TT), Shadow Sprinter (SS), and Cosmic Cruiser (CC) - are to be assembled IN THE SAME ORDER.
(As a clue, the graph below shows the journey of Thunder Tracer (TT)).
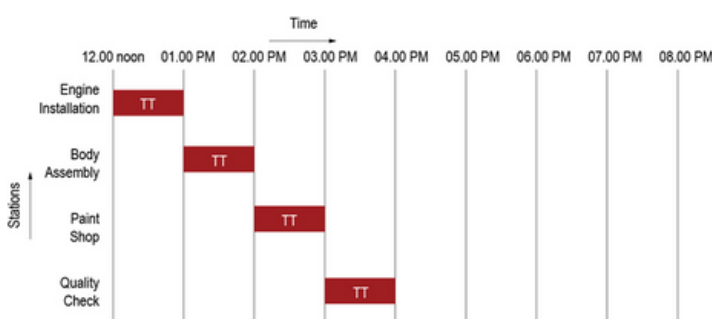
5 If you start a timer when the Thunder Tracer enters Station 1 and stop it when the Cosmic Cruiser exits Station 4, how many hours would have passed?

A. 4
B. 5
C. 6
D. 7

Correct Answer: Option C

6 In a word game, the value of A is 1, B is 2, C is 3... and Z is 26.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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

The total score for a word is calculated as follows:
 1. Add the values of all letters that appear ONCE.
 2. If a letter appears MORE THAN ONCE, multiply its value with its 'repeat number' at each position. For example: The total score for the word 'BANANA' can be calculated as shown
 in the table below.

Word	B	A	N	A	N	A
Value	2	1	14	1	14	1
Score	2 x 1 = 2	1 x 1 = 1	14 x 1 = 14	1 x 2 = 2	14 x 2 = 28	1 x 3= 3

Total score = 2 + 1 + 14 + 2 + 28 + 3 = 50.

Among the given words, which one would score the highest?
A. SPOKE
B. SPOON
C. SPORT
D. SPOTS

Correct Answer: Option D

6 Arav initially arranged 10 cards with 10 different letters on them as shown:

Initial arrangement of cards:

Each letter is located at an index 'i', which goes from 1 to 10.
 For example, the letter at index i = 9 is 'Y'.
Arav starts from index i = 1 and swaps the card at i with the card at i + 3. So in step 1, the sequence will be: 'JFHELMQTYZ'. Then he swaps the card at i = 2 with the card at i + 3 and so on.

 Which letter will FIRST replace the letter Z?
A. Q
B. J
C. E
D. Z will never be replaced

Correct Answer: Option C