

Sample Items - Language

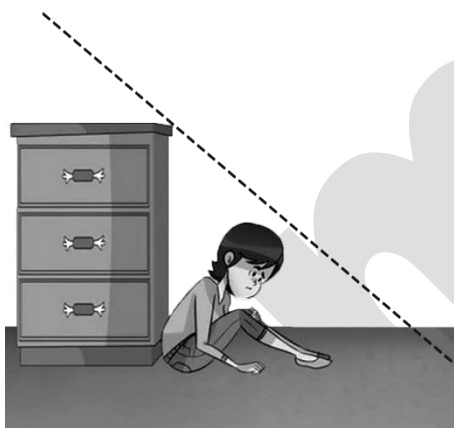
Read the given poster and answer the questions from 1 to 5.

Stay Safe During an Earthquake

Don't panic,
keep calm



Get next to a large, bulky object.
Curl up in a fetal position. Find a
triangle of life



Stop, drop, cover and hold on



Have a plan

Talk about earthquakes with your family. Make an EMERGENCY PLAN FOR what to do in case of an earthquake. Discussing ahead of time helps reduce fear, particularly for younger children.



Prepare in Advance
Make a survival kit

- ✓ Water
- ✓ Non-perishable food
- ✓ Torch
- ✓ Whistle
- ✓ Extra batteries
- ✓ First aid kit
- ✓ Medications
- ✓ Multi-purpose tool
- ✓ Sanitation and personal hygiene items



An Earthquake Story

The ground shook violently, sending tremors through the building. Priya froze, unsure of what to do. Then she remembered the school drill about the "triangle of life" and quickly dropped to the floor beside her bed. She curled up into a tight ball, protecting her head with her arms. The shaking continued for what seemed like an eternity, but Priya stayed put, her heart pounding in her chest.

Finally, the tremors subsided. Priya cautiously crawled out from under her bed, relieved to find her family safe. She had learned an important lesson that day – being prepared can save lives. The triangle of life, a simple technique of finding shelter next to sturdy objects during an earthquake, had protected her.

1. **What did Priya do when she felt the earthquake?**
 - A. Ran outside
 - B. Hid under a table
 - C. Dropped to the floor beside her bed
 - D. Screamed for help

2. **Why did Priya feel relieved after the earthquake was over?**
 - A. She had successfully practised the "triangle of life" technique.
 - B. She was happy the earthquake was over.
 - C. She found her family safe and unharmed.
 - D. She was excited to tell her friends about her experience.

3. **Why does the poster suggest that you include a torch and extra batteries in your survival kit?**
 - A. Because earthquakes usually happen at night
 - B. Because earthquakes often cut off the supply of electricity
 - C. Because you can sell these items to your neighbours after an earthquake
 - D. Because you can play with the torch if you are bored

4. **Why is it important to have a family discussion about earthquakes before they happen, according to the poster?**
- A. To learn interesting facts about earthquakes
 - B. To practice different survival techniques
 - C. To reduce fear and prepare everyone for what to do
 - D. To educate people in how to prevent earthquakes
5. **How is the earthquake story intended to increase the effectiveness of the poster?**
- A. By providing a relatable story about using the techniques mentioned in the pamphlet
 - B. By explaining some of the technical language used in the pamphlet
 - C. By adding new information that was left out of the pamphlet
 - D. By suggesting that earthquakes are not as dangerous as many people think they are

Read the given passage and answer the questions from 6 to 10.

I love getting lost in the world of books. Oh, I mean the public library in my town. As you enter, you see tall shelves full of books. Quite overwhelming, I would say. But then, you'll find people who can help you out.

My librarian can locate any book I need for my school project and suggest good recommendations as well. He also organises fun events like book clubs and storytelling sessions for children. Those are quite popular for sure! The librarian also keeps things in order and makes sure the books are returned to the right place.

Recently though, it seems like libraries are attracting fewer people. Maybe they aren't reading as much or perhaps they don't have the time to read. It's a bit sad because libraries used to be a community space where people with shared interests could gather and have discussions. Losing libraries means losing that valuable connection.

So, it's important for all of us to keep reading and to encourage others to do the same. Libraries aren't just about books; they're about bringing people together and sparking imagination.

6. What does the author find overwhelming?

- A. Talking to the librarian
- B. Seeing the tall shelves full of books
- C. Doing research for school projects
- D. Meeting people at libraries

7. As per the passage, what does the librarian NOT do?

- A. Make school projects for children.
- B. Host book clubs at the library.
- C. Organise sessions for children.
- D. Suggest interesting books to read.

8. As per the passage, what would happen if libraries were to disappear?

- A. The public library will be turned into a bookstore.
- B. Children will start reading more books.
- C. Children won't have books for school projects.
- D. The community space for discussions will disappear.

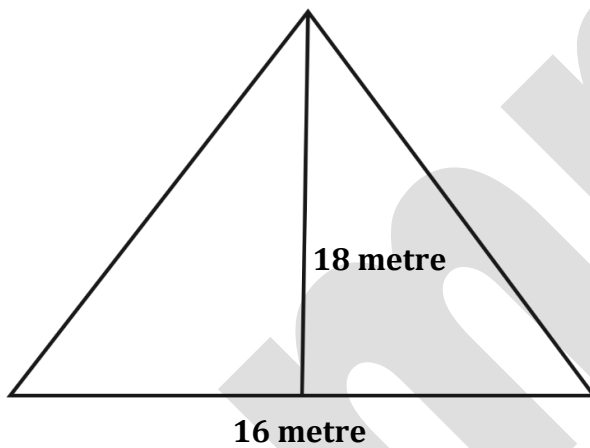
9. **What evidence does the passage have to suggest libraries aren't as popular anymore?**
- A. People find libraries too old-fashioned.
 - B. Libraries aren't hosting book clubs anymore.
 - C. Fewer people are visiting libraries.
 - D. Libraries don't have a good variety of books.
10. **Which statement is true as per the passage?**
- A. Libraries are a community space to promote musical interests.
 - B. Visitors find it difficult to find good books at libraries.
 - C. The decline in library visitors is because of high membership fees.
 - D. Librarians are important for keeping libraries alive and active.

Sample Items - Mathematics

11. A book shop owner sold 60% of the books and still has 540 books. What is the total number of books he originally had?

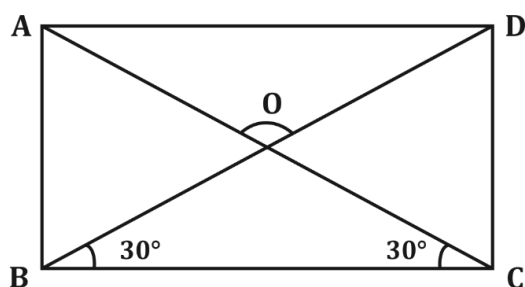
- A. 900
- B. 810
- C. 1100
- D. 1350

12. Find the area of given figure.



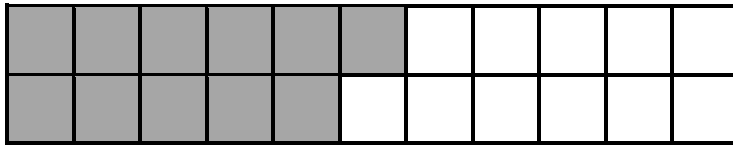
- A. 144 square metre
- B. 288 square metre
- C. 216 square metre
- D. 128 square metre

13. From the given figure, find the measure of $\angle AOD$.



- A. 60°
B. 120°
C. 140°
D. 30°
14. A number is added to 8, and the result is then multiplied by 5. If the final answer is 70, find the original number.
- A. 10
B. 14
C. 6
D. 4
15. Find the coefficient of x^2 in the given expression.
- $2x^2 - 3xy + 5$
- A. 2
B. 3
C. 4
D. 5
16. A boy is twice as old as his sister. If his sister is x years old what is the age of the boy?
- A. $2x$ years
B. $2+x$ years
C. $x/2$ years
D. $x-2$ years

17. In the figure given, find the percentage of region shaded.



- A. 25%
- B. 50%
- C. 60%
- D. 35%
18. Which is smallest rational number?
- A. $-9/5$
- B. $-4/5$
- C. $-5/9$
- D. $-9/8$
19. Complete the following pattern:

$$21 + 23 + 25 + 27 + 29 = ?$$

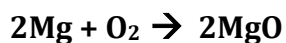
- A. 3^3
- B. 4^3
- C. 5^3
- D. 6^3
20. Find the value of the given expression when $p = -3$.

$$5p^3 - p^2 + 8p - 1$$

- A. 153
- B. -149
- C. 149
- D. -169

Sample Items – Science

21. What will happen to the blue litmus paper if the product of the reaction specified below is poured on the paper?



- A. It will turn red
B. It will remain blue
C. It will turn green
D. It will turn pink
22. Based on the given atmospheric pressure data for three places, what can be concluded about the altitudes of places A, B, and C?

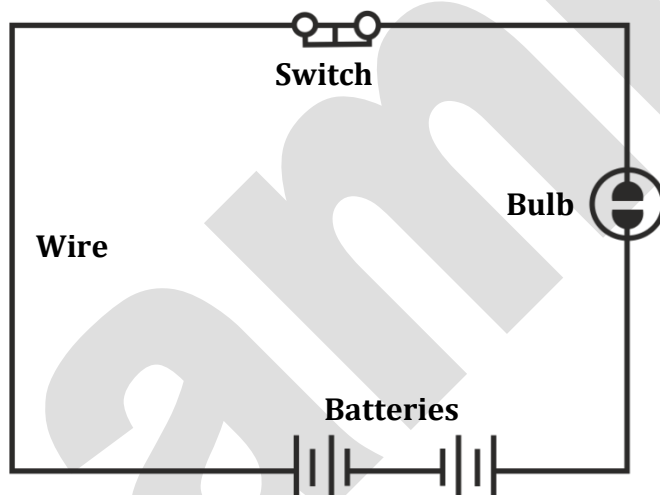
Place	A	B	C
Atmospheric pressure (Pa)	3937	4450	5700

- A. A is the highest place.
B. B is the lowest place.
C. C is the highest place.
D. A is the lowest place.
23. If a ray of light is incident normally to a plane mirror, then what will be the angle between incident ray and reflected ray?
- A. 0°
B. 90°
C. 180°
D. 360°

24. Based on the information in the table, what inference can you make about the force of attraction among the molecules of liquid A and the force of attraction among the molecules of liquid B?

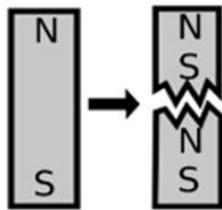
Liquid Name	Liquid A	Liquid B
Boiling point	120° C	180° C

- A. The force of attraction among molecules in Liquid A is stronger.
- B. The force of attraction among molecules in Liquid B is stronger.
- C. Both liquid A and liquid B have the same force among their molecules.
- D. It is not possible to make any inferences about the force of attraction with the information provided.
25. What is a problem with the circuit given below?



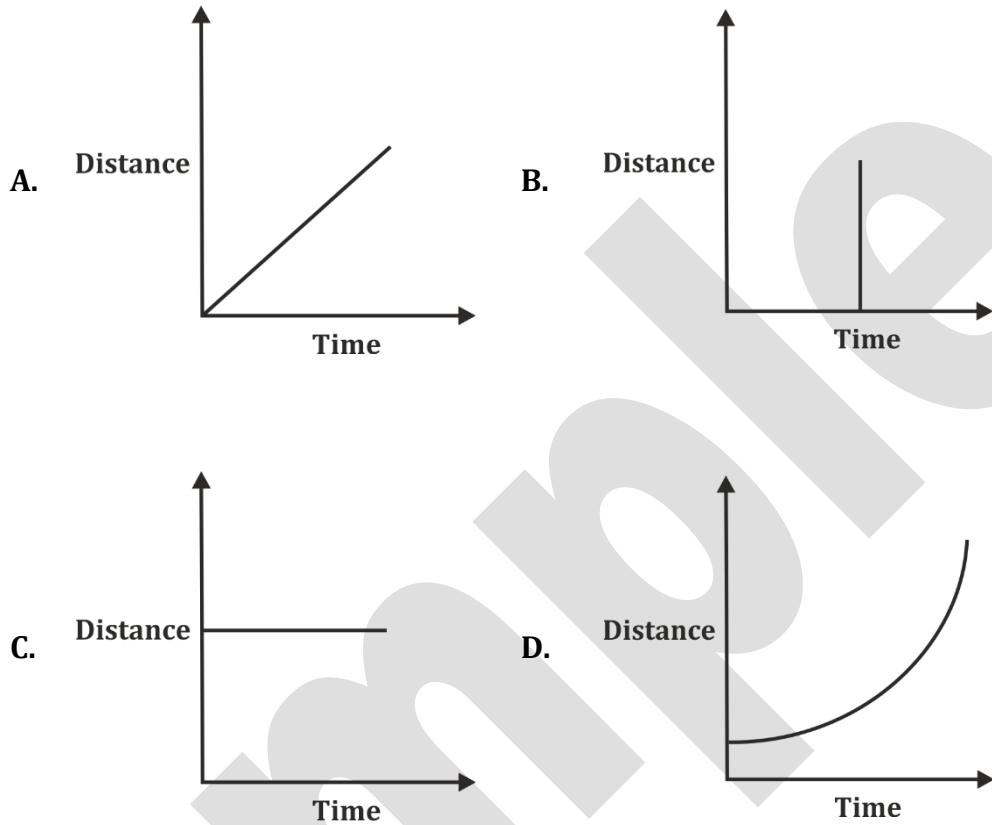
- A. The switch is open.
- B. The bulb is placed in the wrong position.
- C. The batteries are not connected properly.
- D. The connecting wires are broken.

26. Which type of organism's asexual reproduction involves a daughter cell growing on a parent cell and then separating?
- A. Amoeba
 - B. Hydra
 - C. Human
 - D. Paramecium
27. A child poured honey into a glass of water and then oil. After letting them settle, the child dropped a coin into the glass. What will be the sequence of layers from top to bottom?
- A. Water-oil-honey-coin
 - B. Water-honey-oil-coin
 - C. Oil-honey-coin-water
 - D. Oil-water-coin-honey
28. A magnet is broken into two pieces from its center. If we bring the broken end of the first piece to the other end of the second magnet, what will happen?

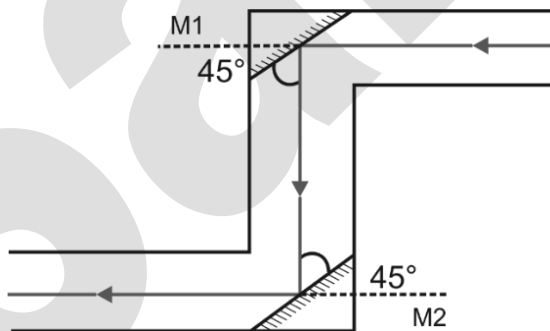


- A. Both magnets will attract.
- B. Both magnets will repel.
- C. Both magnets will not affect each other.
- D. Both magnets will become de-magnetised.

29. A person goes for a run every day, but they stop at the nearby temple for ten minutes to meditate. Which of the following graph represents their time spent at the temple?



30. Diagram of a periscope



What is the angle between the incident ray from the first mirror and the reflected ray from the second mirror in the periscope?

- A. 0°
- B. 45°
- C. 90°
- D. 180°

Sample Items – Social Science

31. **Which type of forest is characterized by high rainfall and diverse flora and fauna?**
- A. Tropical rainforest
 - B. Temperate deciduous forest
 - C. Taiga forest
 - D. Mediterranean forest
32. **Which idea from the Indian national movement is reflected in the directive principles of state policy of the Indian Constitution?**
- A. Liberty
 - B. Equality
 - C. Fraternity
 - D. Socialism
33. **Which tier of local self-government in India is responsible for planning and implementing schemes related to rural development at the village level?**
- A. Panchayat Samiti
 - B. Gram Panchayat
 - C. Zilla Parishad
 - D. Municipal Corporation
34. **Mahatma Gandhi, a victim of racial discrimination himself, was actively engaged in many non-violent protests against racial discrimination in South Africa. Which of the below mentioned movements was inspired from his ideas and sought the end of racial discrimination?**
- A. The Civil Rights Movement in the United States during the 1950s and 1960s.
 - B. The Suffragette Movement in the early 20th century.
 - C. The Environmental Movement in the 1960s.
 - D. The LGBTQ+ Rights Movement in the 21st century.

35. **Which session of the Indian National Congress first demanded the idea of a Constituent Assembly?**
- A. Lahore session, 1929
 - B. Karachi session, 1931
 - C. Bombay session, 1934
 - D. Lucknow session, 1936
36. **Which process is responsible for the breakdown of rocks into smaller particles during soil formation?**
- A. Erosion
 - B. Weathering
 - C. Deposition
 - D. Compaction
37. **How does India demonstrate unity in diversity across its cultural elements, languages, and practices?**
- A. By including only one language in the constitution.
 - B. Through its rich diversity in languages, art, and cuisine celebrated nationwide.
 - C. By enforcing uniformity in clothing styles and traditions.
 - D. Through strict regulation of cultural festivals and traditions.
38. **Which aspect of India showcases its diverse topography and biodiversity?**
- A. Uniformity of climate throughout the country.
 - B. Presence of snow-clad mountains in the southern region.
 - C. Variety of landscapes
 - D. Absence of coastal areas in the north.

39. Which of the following recognizes elements of the continued prevalence of certain beliefs, relationships, practices, and activities in human society despite major changes in the society?
- A. Social Evolution
 - B. Cultural Continuity
 - C. Technological Advancement
 - D. Industrial Revolution
40. What was a major effect of the spread of industrialization and factories in the world during the 19th and 20th Century?
- A. Rapid growth of cities
 - B. Increase in social equality
 - C. Decrease in armed conflict.
 - D. Decline in food production