



Grade 5

INTERNATIONAL ACADEMIC DECATHLON

2024

Total Questions: 50

Total Marks: 50

Time: 1hr

Set: A

Question: 1 of 50

QID: 447

Marks: 1

Look at these details from a paragraph about the same topic:

In Europe, wild hedgehogs are often found in grasslands, woodlands, and meadows.

African pygmy hedgehogs live in savannas in Africa.

Long-eared hedgehogs can be found in many areas of Asia.

Choose the main, or central, idea that ties all the details together.

- ☐ A. In America, some wild hedgehogs can be found near parks.
- ☐ B. Hedgehogs build their homes a certain way.
- ☐ C. Hedgehogs can be found throughout the world.

Question: 2 of 50

QID: 450

Marks: 1

Read the passage.

Dogs and Wolves

Dogs and wolves are part of the same animal family. Both animals have strong senses of smell and are loyal to their packs. But dogs and wolves are quite different when it comes to people. Dogs are used to living with people and get along well with them. In fact, dogs have been called "man's best friend." Wolves, on the other hand, cannot live with humans. Wolves prefer to live in the wild, where they can hunt for their food. Clearly, dogs belong with people, while wolves do not.

What is the main, or central, idea of the passage?

- ☐ A. Wolves and dogs are members of the same animal family, so they have many things in common.
- ☐ B. Dogs are better suited to living with people than wolves are.

Question: 3 of 50

QID: 458

Marks: 1

Select the coordinating conjunction:-

Colton purchased a wool sweater and a pair of leather gloves.

- ☐ A. a
- ☐ B. and

Question: 4 of 50

QID: 455

Marks: 1

What kind of sentence is this?
That's his fourth touchdown in the game!

- ☐ A. exclamatory
- ☐ B. declarative

Question: 5 of 50

QID: 456

Marks: 1

Select the simple predicate.

Molly placed several pecans in her son's hand.

- ☐ A. son's
- ☐ B. hand
- ☐ C. placed

Question: 6 of 50

QID: 457

Marks: 1

Which tense does the sentence use?
Over time, too much sun will harm your skin.

- ☐ A. past tense
- ☐ B. present tense
- ☐ C. future tense

Question: 7 of 50

QID: 467

Marks: 1

Why might you buy premade food?

- ☐ A. you want to cook it yourself
- ☐ B. you dont want to cook it yourself

Question: 8 of 50

QID: 468

Marks: 1

Which uses more force?

- ☐ A. hurling something
- ☐ B. throwing something

Which sentence states a fact?

- ☐ A. Jackie Robinson was the most noteworthy baseball player of the 1940s and '50s.
- ☐ B. Jackie Robinson played baseball for the Brooklyn Dodgers from 1947 to 1956.

Read the paragraph. Then, add the better topic sentence.

It's unclear who invented the first rain umbrella, but there is agreement about who first made umbrellas waterproof. Early Chinese umbrellas were made of silk, and then later, paper. Umbrella makers in China rubbed wax on these paper umbrellas so the rain would roll off them. This made the umbrellas waterproof.

- ☐ A. Waterproof umbrellas were first developed in China.
- ☐ B. Umbrellas were made of paper in ancient China.

Which of these continents does the prime meridian intersect?



- ☐ A. North America
- ☐ B. South America
- ☐ C. Europe

Which of these continents does the Equator intersect?



- ☐ A. Antarctica
- ☐ B. Australia
- ☐ C. Africa

Most counties have court systems. What is a court?

- ☐ A. A place where a city council meets
- ☐ B. A place where people vote
- ☐ C. A place for deciding whether someone has broken the law
- ☐ D. A place where a county board meets

Most state legislatures are bicameral. What does that mean?

- ☐ A. The members can only serve two terms.
- ☐ B. Each district, or area, has two representatives in the state legislature.
- ☐ C. The members are elected every two years.
- ☐ D. The legislatures have two chambers, or houses

Question: 15 of 50

QID: 753

Marks: 1

After the Akkadian Empire ended, many cities and empires tried to control Mesopotamia. Around the 1790s BCE, which empire started controlling Mesopotamia?

- ☐ A. The Elamite Empire
- ☐ B. The Babylonian Empire
- ☐ C. The Neo-Sumerian Empire
- ☐ D. The Akkadian Empire

Question: 16 of 50

QID: 754

Marks: 1

Alexander the Great created the _____ in the late 300s BCE.

- ☐ A. Macedonian Empire
- ☐ B. Roman Empire
- ☐ C. Mughal Empire
- ☐ D. Akkadian Empire

Question: 17 of 50

QID: 750

Marks: 1

Weather forecasters expect a hot, dry summer in the parts of Africa where bananas grow. Bananas do not grow well in hot and dry weather.

What will probably happen to the overall supply of bananas?

- ☐ A. The supply will go down
- ☐ B. The supply will go up

Question: 18 of 50

QID: 751

Marks: 1

Jackson has \$2. Here are the prices of some things he wants to buy:

1 lollipop = \$1

1 candy bar = \$2

How many lollipops and candy bars can Jackson buy using all his money?

- ☐ A. 1 lollipop
- ☐ B. 1 candy bar and 2 lollipops
- ☐ C. 1 lollipop and 1 candy bar
- ☐ D. 2 lollipops

Question: 19 of 50

QID: 782

Marks: 1

In early China, calendars were _____.

- ☐ A. Lunar
- ☐ B. Solar
- ☐ C. Lunisolar

Question: 20 of 50

QID: 783

Marks: 1

which of the following statements is true?

- ☐ A. Ashoka was the first Mauryan Emperor to change his religion.
- ☐ B. Leaders of the Mauryan Empire were tolerant, or accepting of different religions.
- ☐ C. Under the rule of Bindusara, everyone in the Mauryan Empire had to be Hindu.
- ☐ D. Chandragupta allowed people to be Hindu and outlawed other religions.

Question: 21 of 50

QID: 515

Marks: 1

Pterosaur, an ancient flying reptile. No pterosaurs are alive today—they are extinct. Daisy Morris, a four- year- old girl, discovered this pterosaur's fossil! The illustration shows which bone Daisy found. The pterosaur's scientific name refers to Daisy Morris.

What is this pterosaur's scientific name?

- ☐ A. Vectidraco daisymorrisae
- ☐ B. Pterodactylus antiquus

Question: 22 of 50

QID: 517

Marks: 1

Which organ works in groups to move the body's bones?

- ☐ A. heart
- ☐ B. muscles
- ☐ C. brain
- ☐ D. stomach

Question: 23 of 50

QID: 522

Marks: 1

Which of the following systems includes all of Earth's rocks and minerals?

- ☐ A. biosphere
- ☐ B. hydrosphere
- ☐ C. geosphere
- ☐ D. atmosphere

Question: 24 of 50

QID: 523

Marks: 1

Kosice is a town in the European country of Slovakia. The sky in Kosice cleared this morning because a high pressure system moved over the town.

Does this passage describe the weather or the climate?

(Hint: Weather is what the atmosphere is like at a certain place and time. Climate is the pattern of weather in a certain place.)

- ☐ A. Weather ☐ B. Climate

Question: 25 of 50

QID: 528

Marks: 1

Select the elementary substance.

- ☐ A. radon (Rn) ☐ B. silicon dioxide
☐ C. boron trifluoride

Question: 26 of 50

QID: 529

Marks: 1

This passage describes a chemical reaction. Read the passage. Then, follow the instructions below.

Hydrogen peroxide, a household disinfectant, breaks down into water and oxygen gas over time. Light speeds up this process, so hydrogen peroxide is typically stored in a dark-colored bottle. The bottle's dark coloring blocks light and makes the hydrogen peroxide last longer.

Complete the sentence.

In this chemical reaction,
water is a _____.

- ☐ A. reactant ☐ B. product

Question: 27 of 50

QID: 534

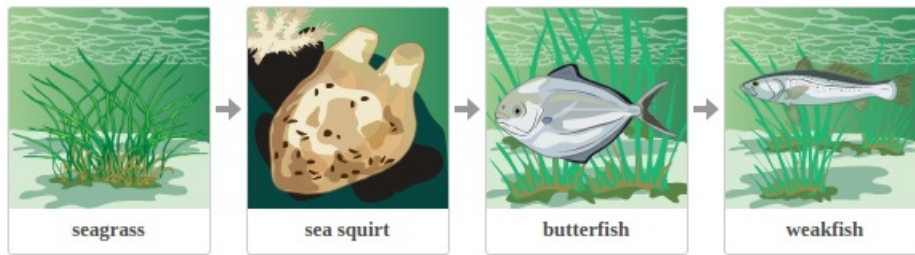
Marks: 1

Oglala National Grassland is a prairie grassland ecosystem in northwestern Nebraska. This grassland contains large rock formations called badlands.

Which statement describe the Oglala National Grassland ecosystem?

- ☐ A. It has heavy rain. ☐ B. It has hot summers and cool winters.

This diagram shows a food chain from Chesapeake Bay, an estuary ecosystem in Maryland and Virginia.



In this food chain, the butterfish is a secondary consumer.
Why?

- ☐ A. It eats a tertiary consumer.
- ☐ B. It eats a primary consumer.
- ☐ C. It eats a producer.

Question: 29 of 50

QID: 540

Marks: 1

Afghanistan is a mountainous country with cold, dry winters.

Does this passage describe the weather or the climate?

Hint: Weather is what the atmosphere is like at a certain place and time. Climate is the pattern of weather in a certain place.

- ☐ A. weather
- ☐ B. climate

Question: 30 of 50

QID: 541

Marks: 1

Does this passage describe the weather or the climate?

Hassan lives in a city where the wind often blows from the south throughout the year.

- ☐ A. weather
- ☐ B. climate

Question: 31 of 50

QID: 1189

Marks: 1

Which country hosted the 2020 Summer Olympics?

- ☐ A. Japan
- ☐ B. China
- ☐ C. Brazil
- ☐ D. France

Question: 32 of 50

QID: 1190

Marks: 1

In which year did the United Kingdom officially leave the European Union (Brexit)?

- ☐ A. 2016
- ☐ B. 2019
- ☐ C. 2020
- ☐ D. 2021

Question: 33 of 50

QID: 1205

Marks: 1

Which company developed the first commercially successful personal computer, the IBM PC, in 1981?

- ☐ A. IBM
- ☐ B. Apple
- ☐ C. Microsoft
- ☐ D. Dell

Question: 34 of 50

QID: 1206

Marks: 1

Which of the following is a non-renewable energy source?

- ☐ A. Wind
- ☐ B. Solar
- ☐ C. Coal
- ☐ D. Geothermal

Question: 35 of 50

QID: 1212

Marks: 1

Which international organization was established in 1945 to promote peace and security worldwide?

- ☐ A. European Union
- ☐ B. United Nations
- ☐ C. World Trade Organization
- ☐ D. NATO

Question: 36 of 50

QID: 1213

Marks: 1

Who was the first female Chancellor of Germany?

- ☐ A. Angela Merkel
- ☐ B. Theresa May
- ☐ C. Ursula von der Leyen
- ☐ D. Margaret Thatcher

Question: 37 of 50

QID: 1219

Marks: 1

Which of the following behaviors is considered impolite in many Asian cultures, particularly in Japan and China?

- ☐ A. Showing respect to elders
- ☐ B. Speaking softly in public
- ☐ C. Publicly expressing dissatisfaction or anger
- ☐ D. Exchanging gifts

Question: 38 of 50

QID: 1220

Marks: 1

Which of the following is a common cultural misunderstanding when it comes to giving gifts in some Middle Eastern cultures?

- ☐ A. Gifts are always given with an immediate expectation of reciprocity.
- ☐ B. It is considered disrespectful to give expensive or overly extravagant gifts.
- ☐ C. Giving gifts in the left hand is considered highly respectful.
- ☐ D. Opening a gift in front of the giver is seen as impolite.

Question: 39 of 50

QID: 1226

Marks: 1

Who won the 2023 Rugby World Cup?

- ☐ A. South Africa
- ☐ B. New Zealand
- ☐ C. England
- ☐ D. France

Question: 40 of 50

QID: 1227

Marks: 1

Which team won the 2020-2021 NBA Championship?

- ☐ A. Milwaukee Bucks
- ☐ B. Los Angeles Lakers
- ☐ C. Golden State Warriors
- ☐ D. Miami Heat

Question: 41 of 50

QID: 1338

Marks: 1

In 9,482, which digit is in the hundreds place?

- ☐ A. 9 ☐ B. 4
- ☐ C. 8 ☐ D. 2

Question: 42 of 50

QID: 1339

Marks: 1

Is $56 + 20$ even or odd?

- ☐ A. Even ☐ B. Odd
- ☐ C. Both ☐ D. Not Sure

Question: 43 of 50

QID: 1346

Marks: 1

Write $3 / 10$ as a decimal number.

- ☐ A. 3.10 ☐ B. 10.3
- ☐ C. 0.3 ☐ D. 0.03

Question: 44 of 50

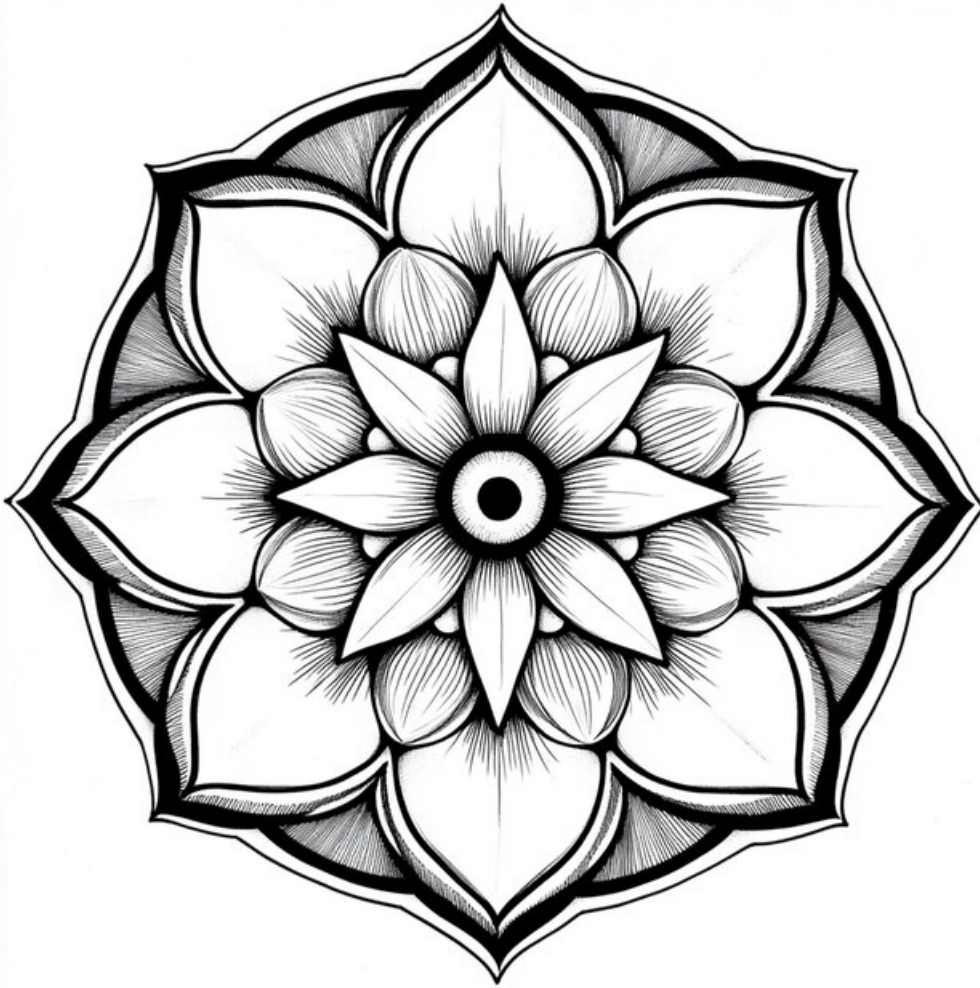
QID: 1347

Marks: 1

Which fraction is equivalent to $3/4$?

- ☐ A. $1/12$ ☐ B. $6/8$
- ☐ C. $2/6$ ☐ D. $5/7$

Does this picture have rotational symmetry?



☐ A. Yes

☐ B. No

☐ C. Maybe

☐ D. Can't Say

Question: 46 of 50

QID: 1355

Marks: 1

Convert:
86 mm = cm

☐ A. 860

☐ B. 8.6

☐ C. 0.86

☐ D. 86

On which color, the spinner is less likely to land?



- ☐ A. Pink
- ☐ B. White
- ☐ C. Both
- ☐ D. Can't Say

An agricultural agency is researching how much cheese people have been eating in different parts of the world.
Which country consumed the least cheese per capita in 2006?

Cheese consumption per capita (kg)		
Country	1996	2006
Germany	12	20
Canada	10	11
Austria	10	17
Australia	10	10
Argentina	11	11

- ☐ A. Germany
- ☐ B. Canada
- ☐ C. Austria
- ☐ D. Australia

Brian is 2 years older than Ethan. How old is Brian?

- ☐ A. 9
- ☐ B. 13
- ☐ C. 7
- ☐ D. Can't Say

Gita did not spend more money than Tillie. Gita spent more money than Nancy. Who spent the least money?

- ☐ A. Tillie
- ☐ B. Nancy
- ☐ C. Gita
- ☐ D. Can't say

--- END OF QUESTION PAPER ---