



هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Preparation Form (B)

National Tests (NAFS)

6th Grade

2026



Section One: Mathematics

Items: 1 - 10

Time: 18 Min.

INSTRUCTIONS

- Read each question carefully, then choose the correct answer.
- Each question has only **one** correct answer.
- Answer all the questions.

1 What is the simplest form of the following?

$$6\frac{1}{4} - 5\frac{3}{4} =$$

A. $\frac{1}{4}$

B. $\frac{1}{2}$

C. $\frac{3}{5}$

D. $\frac{3}{4}$

2 What number is represented by the expanded form below?

$$(7 \times 100) + (4 \times 1) + (3 \times 0.1) + (5 \times 0.001)$$

A. 74.35

B. 53.47

C. 704.305

D. 503.407

3 Tariq earns 40 riyals every two days selling chickens, and he spends 25 riyals on chickens' feed every four days. How many riyals will he have in 24 days?

A. 150

B. 330

C. 360

D. 480

4 Amal divided a circle into equal parts. She shaded one part, left two parts blank, and then shaded another part and left two more parts blank. This pattern was repeated until she had shaded exactly four parts. How many parts had she divided the circle into in total?

A. 4

B. 8

C. 12

D. 16

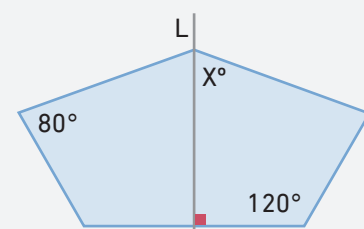
5 If line L divides the following figure into two identical shapes, what is the value of x° ?

A. 60

B. 70

C. 80

D. 90





The figure is not to scale



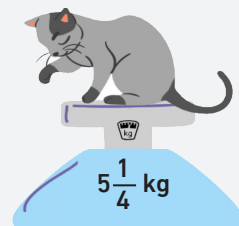
6 The table below shows the number of cars produced in a factory over the course of a week. What is the median of this data?

- A. 130
- B. 150
- C. 160
- D. 250

cars' colors	Yellow	Red	Blue	Green	White
					
number	130	180	250	90	100

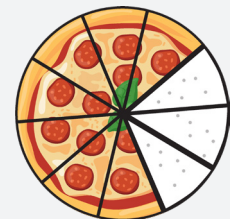
7 What is the improper fraction that represents the cat's weight in kilograms?

- A. $\frac{9}{4}$
- B. $\frac{10}{4}$
- C. $\frac{21}{4}$
- D. $\frac{24}{4}$



8 The figure below shows a pizza that was eaten by Ibrahim. What percentage represents the remaining parts?

- A. 3%
- B. 7%
- C. 30%
- D. 70%



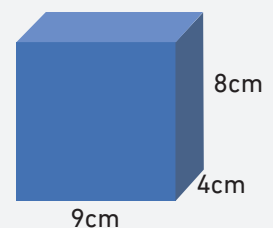
The pizza slices are equal in size

9 If $M = 3$, which of the following expressions has a value of zero?

- A. $2M - 3$
- B. $2 + M - 3$
- C. $M^2 - 3$
- D. $2(M - 3)$

10 In the following figure, what is the volume of the prism in cubic centimeters?

- A. 288
- B. 214
- C. 128
- D. 114



The figure is not to scale

Section Two: Sciences

Items: 11 - 20

Time: 18 Min.

INSTRUCTIONS

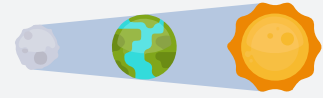
- Read each question carefully, then choose the correct answer.
- Each question has only **one** correct answer.
- Answer all the questions.





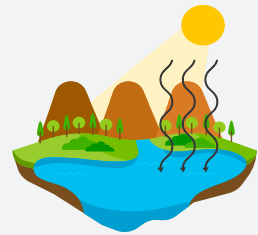
11 Which of the following astronomical phenomena is shown in the picture below?

- A. solar occultation
- B. lunar eclipse
- C. lunar occultation
- D. solar eclipse



12 In the figure below, how does the sun's heat transfer to the seas and rivers?

- A. convection
- B. radiation
- C. conduction
- D. heat flow



13 The table below shows some properties of substances found at home. Which of these substances represents a basic substance?

- A. Pesticides
- B. Tomato
- C. Vinegar
- D. Soap

Substance	State of Matter	pH Value
Pesticides	Liquid	6.7
Tomato	Solid	4.3
Vinegar	Liquid	2.8
Soap	Liquid	9.5

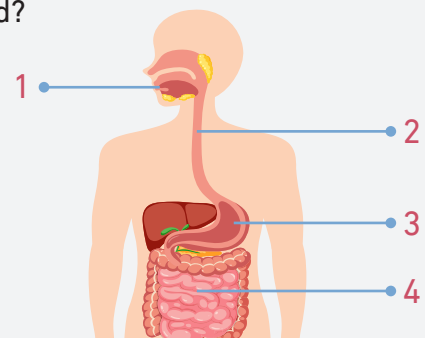
14 The raccoon is classified as an omnivorous animal because it feeds on:

- A. dead organisms
- B. plants only
- C. animals only
- D. plants and animals



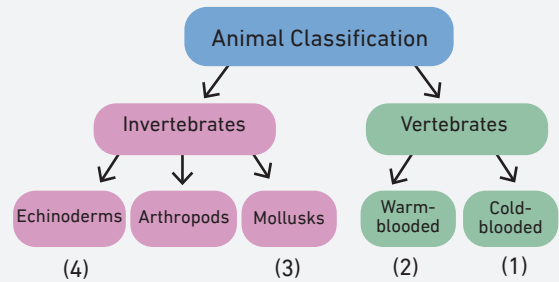
15 Which numbers point to the organs where food is digested?

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



16 According to the concept map below, which of the following numbers represents the classification of the snail?

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

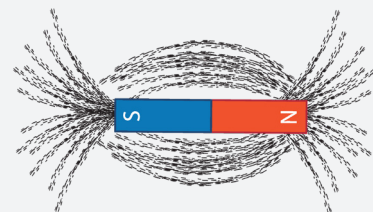


17 Many living organisms have both inherited and acquired traits. Which of the following is an acquired trait?

- A. birds building their nests
- B. spiders spinning their webs
- C. people learning different languages
- D. self-defence

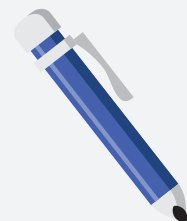
18 The picture below shows iron filings forming magnetic field lines around a magnet. Which of the following statements correctly describes the magnetic strength?

- A. strongest at the center
- B. strongest at the poles
- C. weak at the poles
- D. equal in all parts



19 Why does the eye see the blue pen shown in the picture as blue?

- A. The pen absorbs blue light.
- B. The blue light is reflected from the pen.
- C. The pen gives off blue light.
- D. The blue light bends when it hits the pen.



20 Limestone is an example of which type of rock?

- A. Volcanic
- B. Igneous
- C. Metamorphic
- D. Sedimentary



Section Three: Reading

Items: 21 - 25

Time: 18 Min.

INSTRUCTIONS

- Read the whole passage before you answer the questions.
- Read each question carefully, then choose the correct answer.
- Each question has only **one** correct answer.
- Answer all the questions.

Space exploration is one of humanity's greatest achievements, and it continues to inspire curiosity and innovation. People have always wondered about the universe beyond Earth and have tried to learn more about distant planets, stars, and galaxies. From the first space satellites like Sputnik to Apollo missions and modern robotic missions to Mars, each step has helped scientists gain important knowledge about space. These missions also show humans' desire to explore the unknown and to improve science and technology.



Astronauts aboard the International Space Station (ISS) live and work in **microgravity**, so they feel almost weightless. They conduct experiments that reveal how the human body responds to life in space. This knowledge is essential for planning future long-term missions to Mars and other planets. At the same time, space telescopes such as Hubble provide incredibly detailed images of galaxies, black holes, and planets outside our solar system, helping scientists study the universe more deeply than ever before.

Research in space has also led to many technologies used on Earth. For example, innovations from space missions have contributed to GPS systems, weather forecasting, and medical tools such as imaging equipment. In the end, space exploration is both a scientific journey and a shared dream for humanity. It **demonstrates** how humans can work together, overcome challenges, and use knowledge to improve life on our planet.

21 What is the closest meaning of the word “**demonstrates**” as used in the text?

- | | |
|--------------|-----------|
| A. shows | B. hides |
| C. questions | D. doubts |

22 What does the term “**microgravity**” refer to as used in the text?

- A. a type of stable gravity found only on the moon's surface.
- B. a state where gravity keeps changing in different directions.
- C. a force of strong gravity that pulls objects sharply downward.
- D. a condition of very weak gravity where objects seem weightless.



23 What is the overall impact of space exploration on human life?

- A. It supports scientists who focus mainly on studying the universe.
 - B. It requires high costs with limited direct benefits for most people.
 - C. Entertaining people mainly through movies and space documentaries.
 - D. Helping society by promoting innovation and global scientific cooperation.
-

24 Which of the following statements is an opinion rather than a fact?

- A. Space telescopes have captured images of planets, galaxies, black holes, and exoplanets.
 - B. Robotic missions to Mars have provided valuable scientific data about the planet's surface.
 - C. Many modern technologies used on Earth today were originally developed through space research.
 - D. Space exploration is one of humanity's greatest achievements and the most inspiring human endeavor.
-

25 Which statement uses a factual explanation to support the benefits of space exploration?

- A. Space research encourages nations to dream of new possibilities.
 - B. Space research has led to technologies like GPS and weather forecasting.
 - C. Space missions encourage nations to plan and work toward a better future.
 - D. Space missions beyond Earth inspire people to dream beyond earth.
-

End of test

Answer Key

#	Answer Key
1	B
2	C
3	B
4	C
5	B
6	A
7	C
8	D
9	D
10	A
11	B
12	B
13	D
14	D
15	D
16	C
17	C
18	B
19	B
20	D
21	A
22	D
23	D
24	D
25	B





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