GiftedReady

MAP 6th Grade

PDF Sample Test

Math, Reading, Language Usage, and Science Practice Questions

All rights reserved to https://www.giftedready.com/

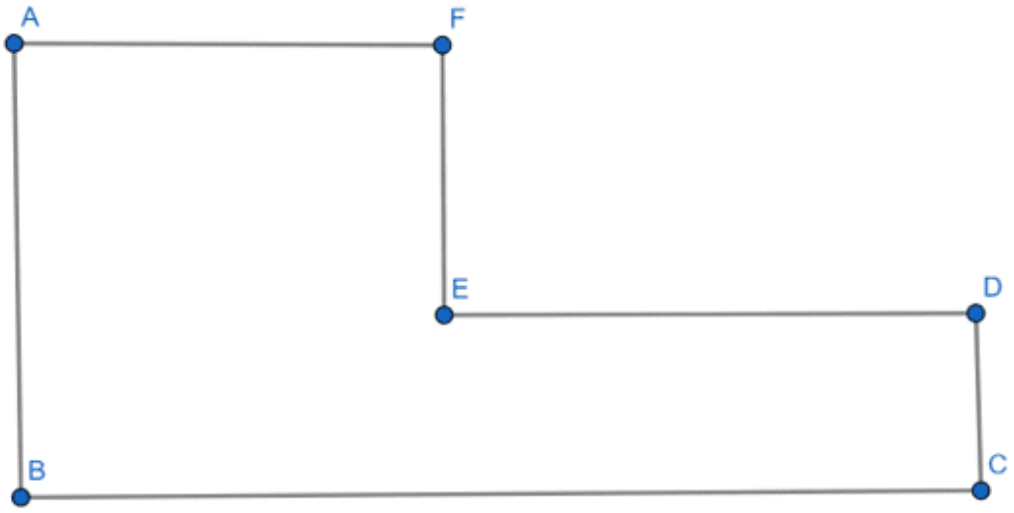
* The correct answers and explanations are located at the end of this PDF.

NWEA MAP 6th Grade Math Practice Questions

Question #1

Geometry Sample Question - Below-Grade-Level

Calculate the area of the ABCDEF figure, if AF=3, FE=2, ED=4, DC=1.



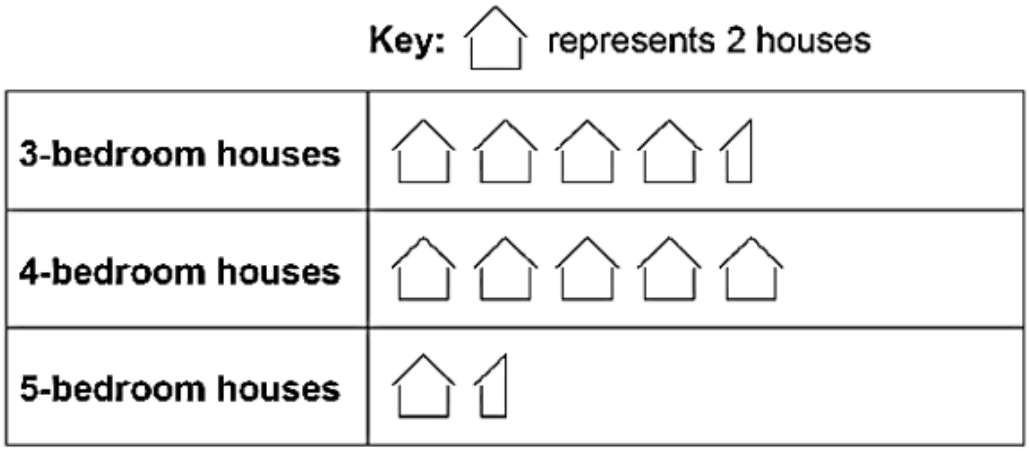
A. 14
B. 12
C. 10
D. 15
E. 13

All rights reserved to https://www.giftedready.com/

Question #2

Operations and Algebraic Thinking Sample Question - At-Grade-Level

The pictogram shows information about the houses in a street. There are three kinds of houses: 3-bedroom, 4-bedroom, and 5-bedroom.



Use the pictogram to determine the total number of houses in the street.

A. 23
B. 22
C. 21
D. 20
E. 19

All rights reserved to https://www.giftedready.com/

Question #3

Statistics and Probability Sample Question - Above-Grade-Level

The table shows the number of days when it rains each month.

Month	Number of days when it rained
January	21
February	14
March	12
April	14
May	10
June	9
July	11
August	14
September	20
October	23
November	24
December	22

What is the mode and range of this data?

A. Mode: 15 days, Range: 12 days
B. Mode: 14 days, Range: 14 days
C. Mode: 13 days, Range: 15 days
D. Mode: 14 days, Range: 15 days

All rights reserved to https://www.giftedready.com/

NWEA MAP 6th Grade Reading Practice Questions

Question #4

Literary Text Sample Question - Below-Grade-Level

Read the story.

The magician stood in front of the audience, preparing for his big trick. He asked his assistant to bring the box on stage. The assistant set the box down, but when the magician tried to open it, it was locked! The audience waited eagerly, and the magician looked around at his team. “Who locked the box?” he asked. The assistant said, “I didn’t do it!” The juggler pointed to the clown and said, “Maybe it was him!” The clown shook his head and laughed. “I would never lock the box!” The magician frowned and tried to open the box again. He pulled out a large key from his coat pocket and unlocked the box. The audience cheered, and the magician took a bow.

Who most likely locked the box in this story?

A. The clown
B. The assistant
C. The magician
D. The juggler

Question #5

Informational Text Sample Question - At-Grade-Level

Read the speech.

My fellow citizens, I stand before you today to address one of the most pressing issues in our community—access to clean drinking water. Water is a basic necessity of life, yet many of our neighborhoods face challenges in getting clean, safe water.

I believe it is our responsibility to fix this problem. If elected, I will prioritize upgrading the old water systems that are causing contamination. I also plan to implement community water-testing programs so that families can ensure their water is safe to drink.

Clean water is not a luxury; it is a right. By focusing on this issue, we can improve the health of our families, especially our children, who deserve to grow up without fear of illness caused by something as essential as water. Together, we can build a future where everyone in our community has access to clean, safe water.

All rights reserved to https://www.giftedready.com/

Which of the following is the best summary of the speech?

A. The speaker wants to solve the issue of unsafe water by fixing old water systems and offering testing programs to ensure clean water for all.
B. The speaker plans to fix water systems so children can have plenty of water for playing and gardening in their neighborhoods.
C. The speaker says water is important and believes families should save water whenever possible to avoid waste.
D. The speaker thinks clean water is expensive, so families need to buy bottled water instead of using tap water.

Question #6

Vocabulary Sample Question - Above-Grade-Level

Read the sentences.

The theatre erupted with boisterous applause as the performers took their final bow. The audience clapped, cheered, and even stomped their feet, filling the grand hall with an overwhelming wave of sound and excitement.

Based on the sentences, what is the meaning of the word "boisterous"?

A. Quiet and calm
B. Cheerful and noisy
C. Focused and serious
D. Loud and angry

NWEA MAP 6th Grade Language Usage Practice Questions

Question #7

Understand and Edit for Mechanics Sample Question - Below-Grade-Level

Which of the following sentences uses an apostrophe incorrectly?

A. The children's playground was recently renovated.
B. The book's cover is bright red and blue.
C. My teachers' meeting will be held after school.
D. The cat's whisker's are unusually long.

All rights reserved to https://www.giftedready.com/

Question #8

Understand and Edit for Mechanics Sample Question - At-Grade-Level

Which of the following words is the correct plural form of "thesis"?

A. thesiss
B. thesis
C. theses
D. thesisses

Question #9

Write & Revise Texts for Purpose and Audience Sample Question - Above-Grade-Level

Which of the following is a suitable research question about the cultural impact of music?

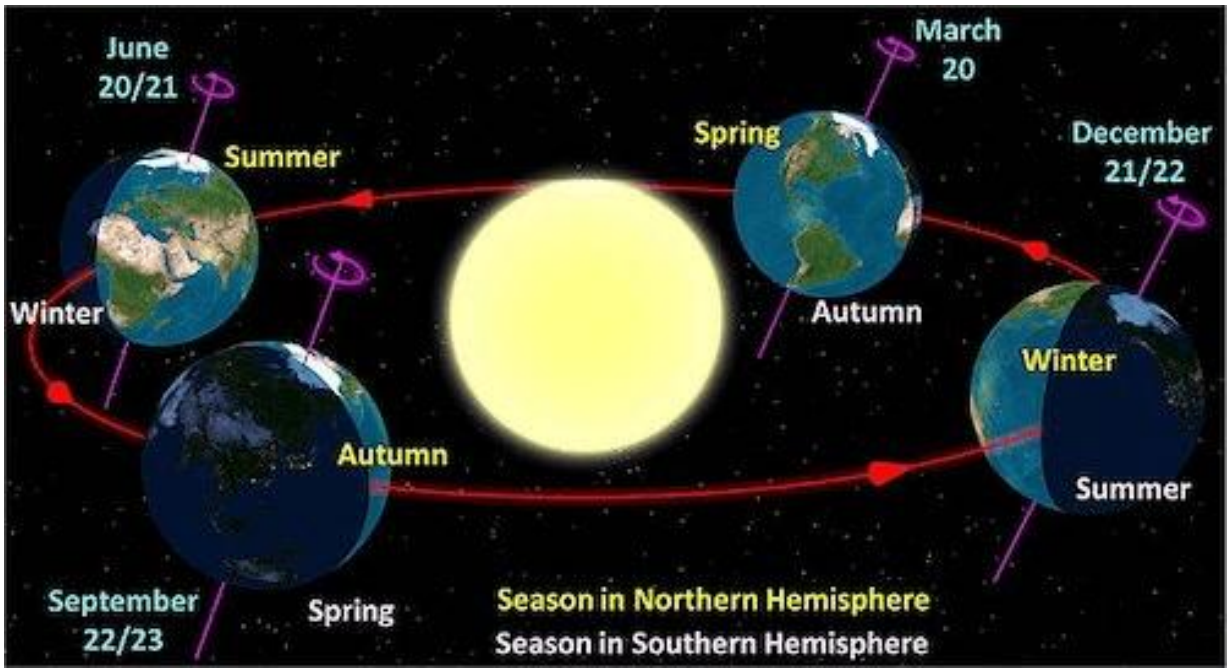
A. When was the first piano made?
B. How did jazz music influence the civil rights movement?
C. Which genre of music is more popular, classical or pop?
D. What are the physical differences between a trumpet and a trombone?

All rights reserved to https://www.giftedready.com/

NWEA MAP 6th Grade Science Practice Questions

Question #10

Earth and Space Sciences Sample Question - Below-Grade-Level



Look at the diagram of Earth orbiting the Sun.

Why is it warmer in the Northern Hemisphere in June than in December?

A. The Earth is closer to the Sun in June than in December.
B. The Northern Hemisphere is tilted towards the Sun in June, receiving more direct sunlight.
C. The Sun gives off more heat during the summer months in June.
D. There are more hours of darkness in June, which heats up the Earth.

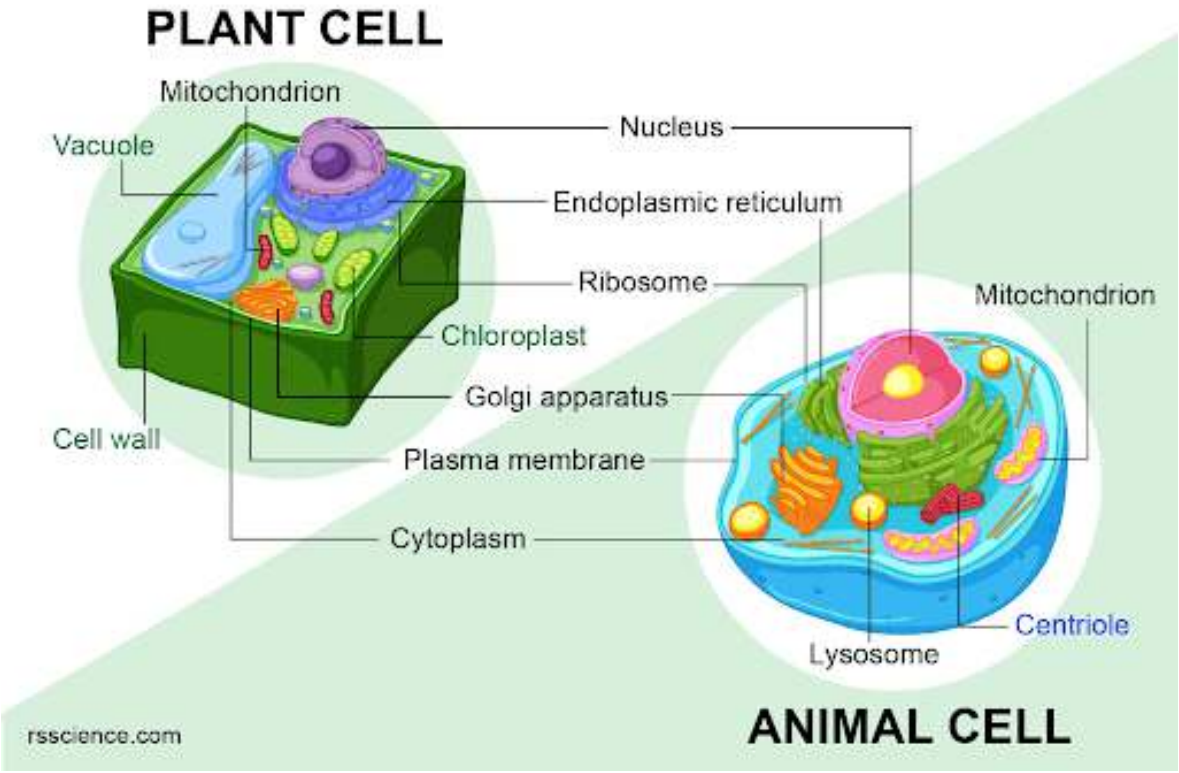
All rights reserved to https://www.giftedready.com/

Question #11

Life Science Sample Question - At-Grade-Level

The diagram shows a typical plant cell and an animal cell.

What is the primary function of the chloroplasts, found in the plant cell but not the animal cell?



A: To control all of the cell's activities and store genetic information.
B: To provide a rigid outer structure that supports and protects the cell.
C: To capture energy from sunlight and convert it into food for the plant.
D: To regulate what substances enter and leave the cell.

All rights reserved to https://www.giftedready.com/

Question #12

Physical Science Sample Question - Above-Grade-Level

Compound	Melting Point (°C)	Boiling Point (°C)
methane, CH_4	-182	-161
nitrogen, N_2	-210	-196
sodium chloride, NaCl	+801	+1465
water, H_2O	0	+100

The melting point of a substance provides insight into the strength of the forces between its particles.

Based on the data, which substance has the strongest intermolecular or inter-particle forces?

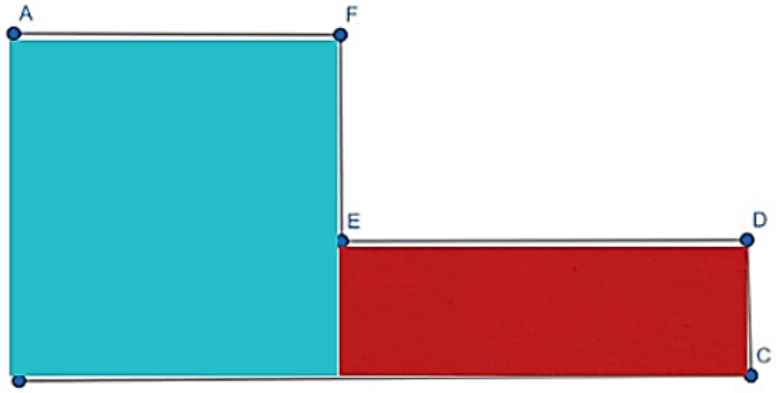
A. Methane, because it has the lowest melting point.
B. Water, because it is a polar molecule.
C. Sodium Chloride, because it has the highest melting point.
D. All three have equal intermolecular forces.

Keep practicing and improving your skills – get more practice resources for the NWEA MAP 6th Grade to help your child prepare and score high.

All rights reserved to https://www.giftedready.com/

Correct Answers & Explanations

Question #1



Correct answer: E

To calculate the total area of the figure, we need to divide it into two smaller sections and then add their areas together. The left section is a square with sides measuring units 3 on each.

AF=3 units multiplied by FE=2 + DC =3 units. So, the left section has an area of 9 square units. While the right section is a rectangle with length ED=4 and width DC=1. To get to its area we multiply the length by its width (4 x 1).

So, the area of the figure on the right is 4 square units. Finally, the total figure must be the sum of the two areas, which is 9 square units plus 4 square units, which is 13 square units.

Question #2

Correct answer: B

Explanation:

The total number of houses as they are represented by the table below is as follows:

All rights reserved to https://www.giftedready.com/

Key: represents 2 houses

3-bedroom houses		9 houses
4-bedroom houses		10 houses
5-bedroom houses		3 houses
		Total 22 houses

Question #3

Correct answer: D

First, let's find the mode:

The mode is the value that occurs most often.

Tally up how many times each number appears:

- 9 appears once
- 10 appears once
- 11 appears once
- 12 appears once
- 14 appears three times (Feb, Apr, Aug)
- 20, 21, 22, 23, 24 each appear once

Since 14 occurs more often than any other number (3 times),

Mode = 14 days.

Finding the range:

The range is: (maximum value) − (minimum value)

- Minimum rainy days = 9 (June)
- Maximum rainy days = 24 (November)

So, **Range** = 24 − 9 = 15 days.

All rights reserved to https://www.giftedready.com/

Question #4

Correct answer: C. Magician

The magician had the key to unlock the box, which suggests that he may have locked it himself as part of the trick. It's possible he locked it earlier to add suspense to his performance.

Choice A. This choice is incorrect. The clown was not responsible for locking the box. The juggler only pointed to him but did not provide evidence that the clown locked it. In fact, the clown denied locking the box.

Choice B. This choice is incorrect. The assistant did not lock the box; he simply set it down on stage. There is no indication in the story that he was the one who locked the box.

Choice D. This choice is incorrect. The juggler pointing to the clown does not mean that the juggler locked the box. He was only suggesting the clown as a possible person who locked it. The juggler did not play a direct role in locking the box.

Question #5

Correct answer: A

This is the correct answer because it completely and accurately summarizes the speech. It identifies the problem (unsafe water), the solutions (fixing water systems and offering testing programs), and the goal (ensuring clean water for all).

Choice B. This choice is incorrect because it includes ideas that were never mentioned in the speech. The speaker focuses on clean drinking water, not water for playing or gardening.

Choice C. This choice is incorrect because it changes the main focus of the speech. The speaker talks about solving water contamination, not about saving water or avoiding waste.

Choice D. This choice is incorrect because it completely misrepresents the speech. The speaker never suggests buying bottled water and emphasizes improving water systems instead.

All rights reserved to https://www.giftedready.com/

Question #6

Correct Answer: B – "cheerful and noisy."

Boisterous means full of energy, excitement, and noise. In the passage, the audience is clapping, cheering, and stomping their feet, which shows they are being cheerful and noisy rather than quiet or angry.

Choice A. This is incorrect. The passage describes an audience that is clapping, cheering, and stomping their feet, which is the opposite of being quiet and calm. If the crowd were quiet, there would be no loud applause or excitement.

Choice C. This is incorrect. Focused and serious means paying close attention and behaving in a thoughtful way. However, the audience is celebrating and making noise, not concentrating or staying serious.

Choice D. This is incorrect. While boisterous can mean loud, it does not mean angry. The audience in the passage is cheering and excited, which suggests happiness, not anger. If they were angry, they would likely be booing or shouting in frustration instead of applauding.

Question #7

Correct answer: D

In the sentence "The cat's whisker's are unusually long," the apostrophe in "whisker's" is incorrect because it is not a possessive form and should simply be "whiskers."

The other sentences correctly use apostrophes to indicate possession: "children's," "book's," and "teachers'."

Question #8

Correct answer: C

"Theses" is the proper plural form of "thesis." The word follows an irregular pluralization rule where the "-is" ending is replaced with "-es."

Options A and D are incorrect as they do not follow the pluralization rules, and B is singular, not plural.

All rights reserved to https://www.giftedready.com/

Question #9

Correct Answer: B

This question is suitable for research because it explores the broader cultural and historical impact of music, specifically focusing on jazz and its role in shaping societal movements.

Research questions like this allow for a deeper analysis of music's influence on culture, society, and history.

The other options are not as relevant for cultural research: (A) focuses on historical facts, (C) is opinion-based and subjective, and (D) is a technical comparison of instruments rather than a cultural inquiry.

Question #10

Correct Answer: B

Earth has seasons because its axis is tilted. In June, the Northern Hemisphere is tilted towards the Sun, so it receives the Sun's rays more directly, and for more hours each day.

This direct energy is more concentrated and powerful, which results in the warmer temperatures of summer.

In December, the Northern Hemisphere is tilted away, so it receives less direct, spread-out sunlight, causing the colder temperatures of winter.

Question #11

Correct Answer: C

The parts of a cell, called organelles, have specialized functions. Chloroplasts are the site of photosynthesis. They contain a green pigment called chlorophyll that absorbs light energy.

The plant cell then uses this energy to convert water and carbon dioxide into sugar (glucose), which is the plant's food.

Animal cells do not have chloroplasts because animals get their energy by eating other organisms, not by performing photosynthesis.

All rights reserved to https://www.giftedready.com/

Question #12

Correct Answer: C

Melting involves providing enough thermal energy to overcome the forces holding particles together in a fixed, solid lattice.

A higher melting point indicates that more energy is required to break these forces apart, which means the forces themselves are stronger.

Sodium chloride is an ionic compound held together by very strong electrostatic forces between Na^+ and Cl^- ions, resulting in a very high melting point.

Water's hydrogen bonds are weaker than ionic bonds, and methane's weak dispersion forces are the weakest of the three, resulting in the lowest melting point.

Keep practicing to boost your child's skills!

Click here to get instant access to more practice resources for the NWEA MAP 6th Grade Test – everything you need to help your child prepare and excel.

If you've printed this PDF, simply search "MAP test 6th Grade GiftedReady" on Google or your favorite search engine to find all our expert resources.

All rights reserved to https://www.giftedready.com/