

GMAS Practice Questions for 5th Grade English Language Art

1. (DOK 1) Which sentence shows the correct way to write the title of a book?
 - a) During the summer I read a great novel, Because of Winn-Dixie.
 - b) During the summer I read a great novel, BECAUSE OF WINN-DIXIE.
 - c) During the summer I read a great novel, Because of Winn-Dixie.
 - d) During the summer I read a great novel, "Because of Winn-Dixie."

Read the article "Making Hockey Safer" and answer example items 2 and 3.

Making Hockey Safer

Hockey is a popular sport in North America. Players skate across a sheet of ice. They use special sticks to pass the puck, a small disc of hard rubber. Then the players try to score by shooting the puck into the opposing goal. The game moves fast, so it can be dangerous without the right gear for protection. Fortunately, protective equipment has improved over the years.

History

When the National Hockey League began in 1917, players wore minimal gear. Helmets were not required. Goaltenders did not wear masks. This allowed players to see everything on the ice. However, it also increased the risk of getting hurt. Surprisingly, players were not forced to wear helmets until 1979. This was only required of new players, though. Men who had signed with the league before 1979 could choose for themselves. The last player to skate without a helmet retired in 1997.

Present

Today, the league is clearer on player safety. All new players in the National Hockey League have to wear a partial visor on their helmets. A visor is a clear shield that protects the eyes. The rule applies to new players and is a response to eye injuries over the years. Men who have already been in the league do not have to follow the rule. When asked why they didn't want the added protection, some players claimed that wearing the gear makes it hard for them to see the puck clearly. Does this new rule mean that audiences will never see a player without a helmet shoot the puck? Not exactly. Another rule allows a player to continue skating if his helmet falls off. But, once the player leaves the ice, he cannot return without a helmet. Goalies, however, have a different rule. If they lose their helmets, play stops immediately.

The Future

Each year, experts try to make hockey safer. Some of their attempts are successful, while others are not. Clearly, the league and the players need to work together to make the game safer. The debate continues over how much protection is enough.

2. (DOK 2) Which sentence from the article BEST supports the idea that the league now has a stronger focus on safety?
 - a) The game moves fast, so it can be dangerous without the right gear for protection.
 - b) When the National Hockey League began in 1917, players wore minimal gear.
 - c) The rule applies to new players and is a response to eye injuries over the years.
 - d) Another rule allows a player to continue skating if his helmet falls off.
3. (DOK 3) Summarize the main ideas in the article. Be sure to include key ideas from the article to support your answer. Write your answer on the lines provided.

ANSWERS: (1) C (2) C (3) The National Hockey League has improved player safety and continues to improve safety where possible. When the league began, players were not required to wear helmets. That changed in 1979 when new players were required to wear helmets.

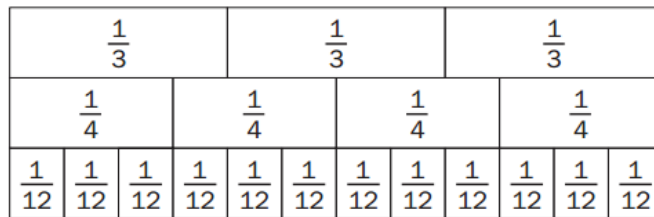
GMAS Practice Questions for 5th Grade Math

1. (DOK 1) How much greater is the digit 6 in 563 than the digit 6 in 436?
 - a) 6 times greater
 - b) 10 times greater
 - c) 60 times greater
 - d) 100 times greater
2. (DOK 2) Evaluate these two expressions.
 - a) $(7 + 5) \times 4$
 - b) $7 + 5 \times 4$

Part A: Which expression has a greater value—a or b?

Part B: Explain why this expression has a greater value?

3. (DOK 3) Anita is making chocolate fudge brownies. She needs $\frac{1}{3}$ cup of water and $\frac{3}{4}$ cup of vegetable oil for recipe. Anita pours both the water and vegetable oil into a large mixing bowl. She measures the combined total amount of the water and vegetable oil and see that it is more than one cup. Use the fraction bars to help you solve the problem.



Part A: How much more than one cup is Anita's mixture of water and vegetable oil?

Part B: How could Anita know, without measuring, that $\frac{1}{3}$ cup of water and $\frac{3}{4}$ cup of oil together is less than 2 cups? _____

Part C: How much less than 2 is the sum of $\frac{1}{3}$ and $\frac{3}{4}$?

ANSWERS: (1) B (2a) A; This expression has a value of 48, which is greater than the value of b, which is 27. Expression a has parentheses around 7 plus 5, so you have to add these numbers first to find a sum of 12. Next you multiply the sum of 12 by 4. The total value is 48. For the second expression, there are no parentheses. The order of operations states that you perform operations in parentheses first. If there are no parentheses in an expression, multiplication comes before addition. For expression b you must multiply 5 times 4, which is 20. Next you add 7 to 20, which is 27. (3) Part A: Adding $\frac{1}{3}$ and $\frac{3}{4}$ is the same as adding $\frac{4}{12}$ and $\frac{9}{12}$ because $\frac{1}{3} = \frac{4}{12}$ and $\frac{3}{4} = \frac{9}{12}$. $\frac{4}{12} + \frac{9}{12} = \frac{13}{12}$ and $\frac{13}{12}$ which is $1\frac{1}{12}$. (3) Part B: Both $\frac{1}{3}$ and $\frac{3}{4}$ are each less than 1, so their sum must be less than 2. Part C: $2 = \frac{24}{12}$ and $1\frac{1}{12} = \frac{13}{12}$, so $\frac{24}{12} - \frac{13}{12} = \frac{11}{12}$.

GMAS Practice Questions for 5th Science

1. (DOK 1) Which of these BEST describes the function of the cell membrane?
 - a) It produces energy for cell functions.
 - b) It is responsible for cell reproduction.
 - c) It controls what enters and leaves the cell.
 - d) It stores water and nutrients until needed by the cell.
2. (DOK 2) Which action should she use to demonstrate a chemical change?
 - a) cutting a piece of paper
 - b) folding a piece of paper
 - c) tearing a piece of paper
 - d) burning a piece of paper
3. (DOK 3) Students observed as small drops of water collected on the outside of a glass.



Which statement BEST describes why the water vapor in the air formed liquid water on the outside of the glass?

- a) The humidity outside the glass turns the vapor to liquid water.
- b) The water vapor pulls the water from inside the glass to outside the glass.
- c) The temperature of the water inside the glass is colder than the air outside the glass.
- d) The temperature of the water inside the glass is warmer than the air outside the glass.

GMAS Practice Questions for 5th Grade Social Studies

1. (DOK 1) Who was the president of the Confederacy?
 - a) Robert E. Lee
 - b) Jefferson Davis
 - c) Ulysses S. Grant
 - d) Abraham Lincoln
2. (DOK 2) How does the 17th Amendment help maintain a representative democracy?
 - a) by allowing only elected officials to choose the senators
 - b) by preventing senators from voting more than once on each law
 - c) by having the public choose their senators by voting for them in elections
 - d) by keeping the number of senators equal to the number of representatives
3. (DOK 3) Read the newspaper headline.

Daily Herald

Friday, May 7, 1915

More Than 1,400 Lives Believed

Lost with Torpedoed Lusitania

Which event can be MOST directly linked to the event described in the headline?

- a) the invasion of Normandy, France
- b) the attack on Pearl Harbor, Hawaii
- c) the United States' entry into World War I
- d) the election of Franklin Roosevelt as president