



Team \_\_\_\_\_

# Face-Off!

Written Round

Cross-Trainer Division (Grades 7/8)

1. (1 pt.) A spacecraft must reach a minimum velocity of 25,000 mph to escape what?  
 A. Earth's gravitational pull

**ANSWER KEY**

2. (2 pts.) Deanna is responsible for forming softball teams for a local league. In all, 141 players registered. A standard team in their league is composed of nine players. How many full teams can she make from people who registered?  
 A. 15 teams with 6 extra people

3. (4 pts.) List four words in the English language that begin with double letters (the same letter twice in a row).  
 A. There are quite a few (i.e. aardvark, llama, eel, eerie, ooze). Use your discretion.

4. (3 pts.) Name the first three US states to join the union.  
 A. Delaware, Pennsylvania, New Jersey

5. The four terms at left give information about the American interstate highway system. Connect the terms to their definitions, and fill in the blank for no. 5.

- |                                    |   |
|------------------------------------|---|
| 1. Odd-numbered roads              | Autobahn                                    |
| 2. Even-numbered roads             | Those running predominantly east and west   |
| 3. Three-digit roads like I-694    | Spurs or Bypass roads                       |
| 4. System on which ours is modeled | Those running predominantly north and south |

State which has no interstate highways: Hawaii  
 (Fill in the blank.)

6. (4 pts.) Name the four types of galaxies.  
 A. Spiral, Barred Spiral [or irregular], Elliptical, Lenticular

7. (4 pts.) Solve for the variables in the following equations:  
 $51/17 = w$      $48/x = 6$      $y^2 + y = 20$      $z - 8 + 16 = 0$   
 A.  $w = 3, x = 8, y = 4, z = -8$

8. (1-5 pts.) Supply the missing two letters to form words that match the definitions:

- a. Machine used to do a task: D \_ \_ ICE
- b. A beginner: N \_ \_ ICE
- c. Desire to harm others: M \_ \_ ICE
- d. Rinse with water: S \_ \_ ICE
- e. Top part of a dress: B \_ \_ ICE

**A. *Device, novice, malice, sluice, bodice***

9. (1 pt.) For a short time, the US government minted a \$1 coin named after a female suffragist. Name her.

- A. Susan B. Anthony

10. (1 pts.) “All the News That’s Fit to Print” is this major metropolitan newspaper’s motto. What is the full name of the newspaper?

- A. The New York Times

11. (1-2 pts.) This two-word term is the lower half of the brainstem. Spell it.

- A. M-E-D-U-L-L-A O-B-L-O-N-G-A-T-A

12. (1-3 pts.) What is the musical term for the way a singer performs, if not accompanied by instruments. From what language does this term derive? What does it mean in that language?

- A. *A cappella*; Italian, “in the manner of the church”

13. (1 pt.) It is written in praise of anything from a Grecian urn to a mouse. What is this 14-line poem form called?

- A. Ode

14. (4 pts.) Match the US president to the war that occurred during his term in office.

- |                   |                      |
|-------------------|----------------------|
| George H. W. Bush | 1st Persian Gulf War |
| Harry S Truman    | Vietnam War          |
| Lyndon B. Johnson | Civil War            |
| Abraham Lincoln   | World War II         |

**A. *Bush* → 1st Persian Gulf War, *Truman* → World War II, *Johnson* → Vietnam, *Lincoln* → Civil War**

15. (1 pt.) The plot of this recently released film details the story of a land before a girl named Dorothy arrives. Name the movie.

- A. “Oz: The Great and Powerful”