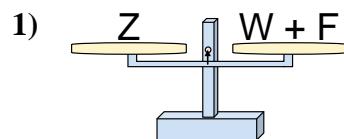




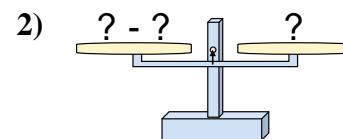
## Balancing Equations

Name: \_\_\_\_\_

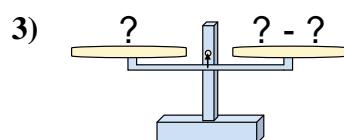
The scales shown are balanced. Determine which number sentence must be true.

Answers

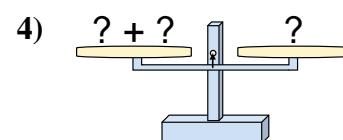
- A.  $W = Z - F$   
 B.  $W = Z + F$   
 C.  $W = F - Z$   
 D.  $W = F + Z$



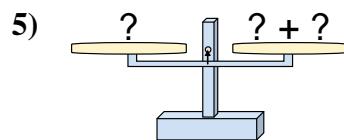
- A.  $\diamond = \heartsuit + \heartsuit$   
 B.  $\diamond = \heartsuit + ?$   
 C.  $\diamond = ? - \heartsuit$   
 D.  $\diamond = \heartsuit - ?$



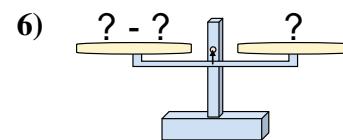
- A.  $\blacktriangle = ? + ?$   
 B.  $\blacktriangle = ? - ?$   
 C.  $\blacktriangle = ? + ?$   
 D.  $\blacktriangle = ? - ?$



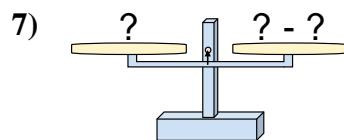
- A.  $? = \diamond - \blacktriangle$   
 B.  $? = \blacktriangle + \diamond$   
 C.  $? = \diamond + \blacktriangle$   
 D.  $? = \blacktriangle - \diamond$



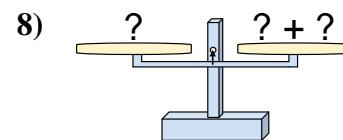
- A.  $\heartsuit = \blacktriangle - ?$   
 B.  $\heartsuit = ? + \blacktriangle$   
 C.  $\heartsuit = ? - \blacktriangle$   
 D.  $\heartsuit = \blacktriangle + ?$



- A.  $? = \blacktriangle - \diamond$   
 B.  $? = \diamond + \diamond$   
 C.  $? = \blacktriangle + \diamond$   
 D.  $? = \diamond - \blacktriangle$



- A.  $? = \heartsuit + \blacktriangle$   
 B.  $? = \heartsuit - \blacktriangle$   
 C.  $? = \blacktriangle - \heartsuit$   
 D.  $? = \blacktriangle + \blacktriangle$



- A.  $\diamond = \heartsuit + ?$   
 B.  $\diamond = ? + \heartsuit$   
 C.  $\diamond = \heartsuit - ?$   
 D.  $\diamond = ? - \heartsuit$

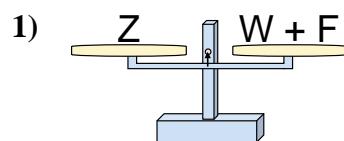
1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_



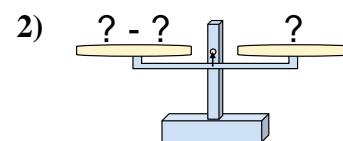
## Balancing Equations

Name: **Answer Key**

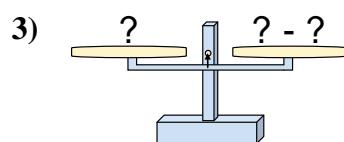
The scales shown are balanced. Determine which number sentence must be true.



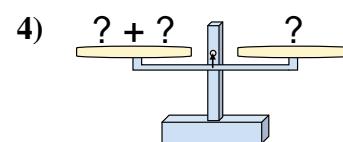
- A.  $W = Z - F$
- B.  $W = Z + F$
- C.  $W = F - Z$
- D.  $W = F + Z$



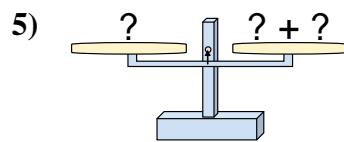
- A.  $\diamond = \heartsuit + \heartsuit$
- B.  $\diamond = \heartsuit + ?$
- C.  $\diamond = ? - \heartsuit$
- D.  $\diamond = \heartsuit - ?$



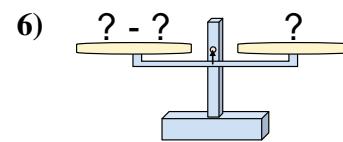
- A.  $\blacktriangle = ? + ?$
- B.  $\blacktriangle = ? - ?$
- C.  $\blacktriangle = ? + ?$
- D.  $\blacktriangle = ? - ?$



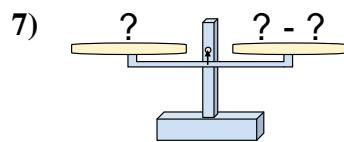
- A.  $? = \diamond - \blacktriangle$
- B.  $? = \blacktriangle + \diamond$
- C.  $? = \diamond + \blacktriangle$
- D.  $? = \blacktriangle - \diamond$



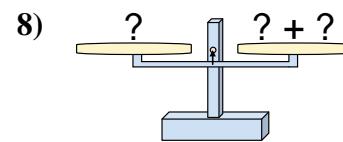
- A.  $\heartsuit = \blacktriangle - ?$
- B.  $\heartsuit = ? + \blacktriangle$
- C.  $\heartsuit = ? - \blacktriangle$
- D.  $\heartsuit = \blacktriangle + ?$



- A.  $? = \blacktriangle - \diamond$
- B.  $? = \diamond + \diamond$
- C.  $? = \blacktriangle + \diamond$
- D.  $? = \diamond - \blacktriangle$



- A.  $? = \heartsuit + \blacktriangle$
- B.  $? = \heartsuit - \blacktriangle$
- C.  $? = \blacktriangle - \heartsuit$
- D.  $? = \blacktriangle + \blacktriangle$



- A.  $\diamond = \heartsuit + ?$
- B.  $\diamond = ? + \heartsuit$
- C.  $\diamond = \heartsuit - ?$
- D.  $\diamond = ? - \heartsuit$

**Answers**1. **A**2. **B**3. **A**4. **A**5. **C**6. **C**7. **A**8. **C**