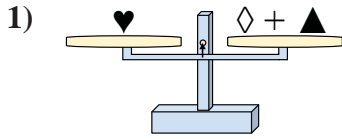
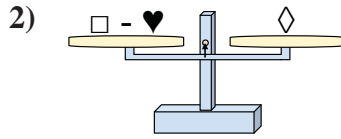




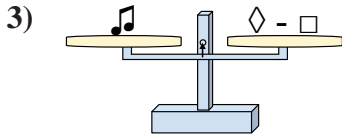
The scales shown are balanced. Determine which number sentence must be true.



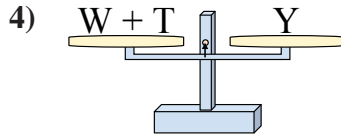
- A. $\diamond = \blacktriangle + \heartsuit$
- B. $\diamond = \blacktriangle - \heartsuit$
- C. $\diamond = \heartsuit + \blacktriangle$
- D. $\diamond = \heartsuit - \blacktriangle$



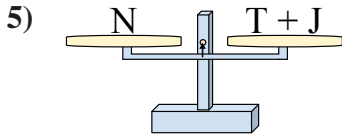
- A. $\square = \heartsuit - \diamond$
- B. $\square = \diamond - \heartsuit$
- C. $\square = \diamond + \heartsuit$
- D. $\square = \diamond + \diamond$



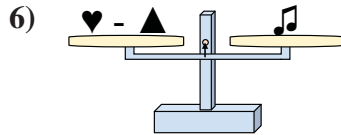
- A. $\diamond = \square + \text{musical note}$
- B. $\diamond = \text{musical note} - \square$
- C. $\diamond = \text{musical note} + \text{musical note}$
- D. $\diamond = \square - \text{musical note}$



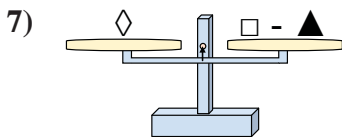
- A. $W = T + Y$
- B. $W = Y - T$
- C. $W = T - Y$
- D. $W = Y + T$



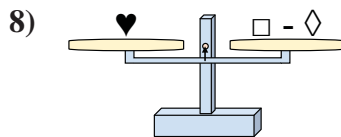
- A. $T = N - J$
- B. $T = J - N$
- C. $T = J + N$
- D. $T = N + J$



- A. $\heartsuit = \blacktriangle + \text{musical note}$
- B. $\heartsuit = \text{musical note} + \text{musical note}$
- C. $\heartsuit = \blacktriangle - \text{musical note}$
- D. $\heartsuit = \text{musical note} - \blacktriangle$



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



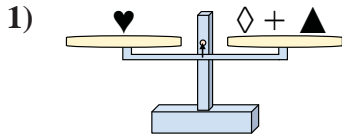
- A. $\square = \diamond - \heartsuit$
- B. $\square = \heartsuit + \heartsuit$
- C. $\square = \heartsuit - \diamond$
- D. $\square = \diamond + \heartsuit$

Answers

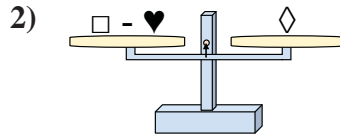
- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____



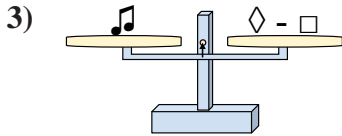
The scales shown are balanced. Determine which number sentence must be true.



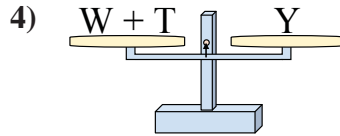
- A. $\diamond = \blacktriangle + \heartsuit$
 B. $\diamond = \blacktriangle - \heartsuit$
 C. $\diamond = \heartsuit + \blacktriangle$
 D. $\diamond = \heartsuit - \blacktriangle$



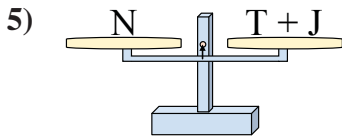
- A. $\square = \heartsuit - \diamond$
 B. $\square = \diamond - \heartsuit$
 C. $\square = \diamond + \heartsuit$
 D. $\square = \diamond + \diamond$



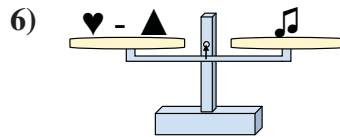
- A. $\diamond = \square + \text{musical note}$
 B. $\diamond = \text{musical note} - \square$
 C. $\diamond = \text{musical note} + \text{musical note}$
 D. $\diamond = \square - \text{musical note}$



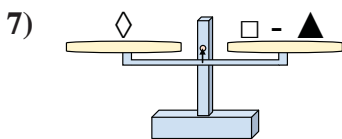
- A. $W = T + Y$
 B. $W = Y - T$
 C. $W = T - Y$
 D. $W = Y + T$



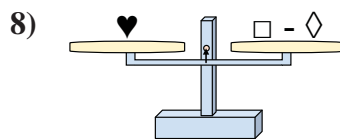
- A. $T = N - J$
 B. $T = J - N$
 C. $T = J + N$
 D. $T = N + J$



- A. $\heartsuit = \blacktriangle + \text{musical note}$
 B. $\heartsuit = \text{musical note} + \text{musical note}$
 C. $\heartsuit = \blacktriangle - \text{musical note}$
 D. $\heartsuit = \text{musical note} - \blacktriangle$



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



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

Answers

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