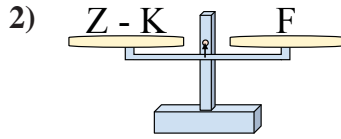
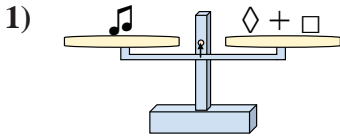




The scales shown are balanced. Determine which number sentence must be true.

Answers

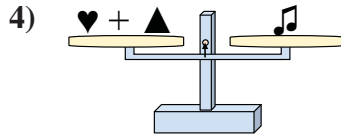
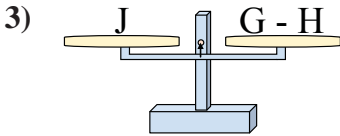


1. _____

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

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

2. _____



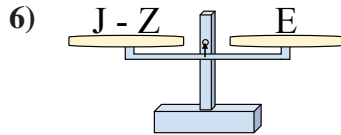
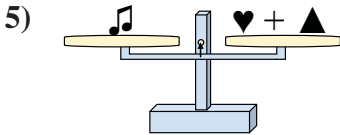
3. _____

- A. $G = H - J$
- B. $G = J - H$
- C. $G = J + H$
- D. $G = J + J$

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

4. _____

5. _____



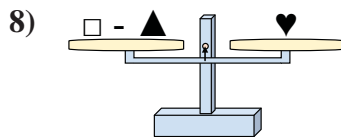
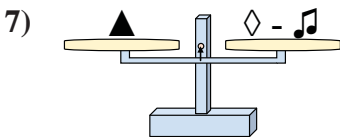
6. _____

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

- A. $J = Z - E$
- B. $J = E + E$
- C. $J = E - Z$
- D. $J = E + Z$

7. _____

8. _____

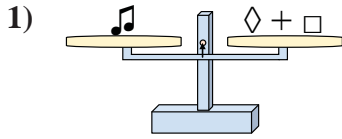


- A. $\diamond = \text{musical note} - \blacktriangle$
- B. $\diamond = \blacktriangle + \blacktriangle$
- C. $\diamond = \blacktriangle + \text{musical note}$
- D. $\diamond = \blacktriangle - \text{musical note}$

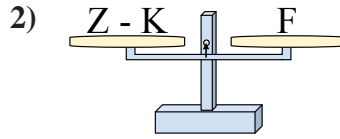
- A. $\square = \blacktriangle + \heartsuit$
- B. $\square = \heartsuit - \blacktriangle$
- C. $\square = \blacktriangle - \heartsuit$
- D. $\square = \heartsuit + \heartsuit$



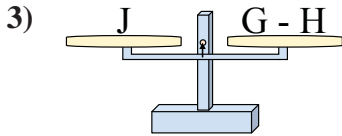
The scales shown are balanced. Determine which number sentence must be true.



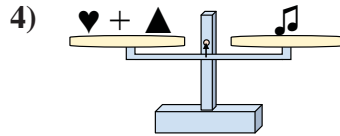
- A. $\diamond = \square + \text{musical note}$
 B. $\diamond = \text{musical note} - \square$
 C. $\diamond = \square - \text{musical note}$
 D. $\diamond = \text{musical note} + \square$



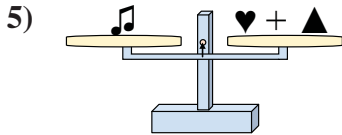
- A. $Z = K - F$
 B. $Z = F + F$
 C. $Z = K + F$
 D. $Z = F - K$



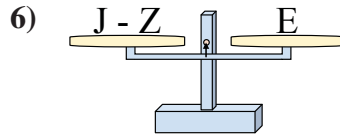
- A. $G = H - J$
 B. $G = J - H$
 C. $G = J + H$
 D. $G = J + J$



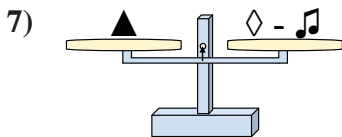
- A. $\heartsuit = \text{musical note} + \blacktriangle$
 B. $\heartsuit = \text{musical note} - \blacktriangle$
 C. $\heartsuit = \blacktriangle - \text{musical note}$
 D. $\heartsuit = \blacktriangle + \text{musical note}$



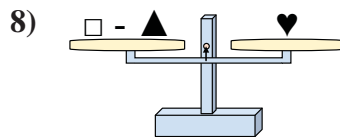
- A. $\heartsuit = \text{musical note} - \blacktriangle$
 B. $\heartsuit = \text{musical note} + \blacktriangle$
 C. $\heartsuit = \blacktriangle + \text{musical note}$
 D. $\heartsuit = \blacktriangle - \text{musical note}$



- A. $J = Z - E$
 B. $J = E + E$
 C. $J = E - Z$
 D. $J = E + Z$



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



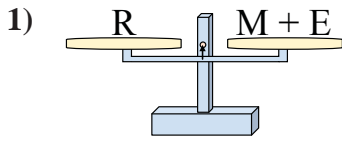
- A. $\square = \blacktriangle + \heartsuit$
 B. $\square = \heartsuit - \blacktriangle$
 C. $\square = \blacktriangle - \heartsuit$
 D. $\square = \heartsuit + \heartsuit$

Answers

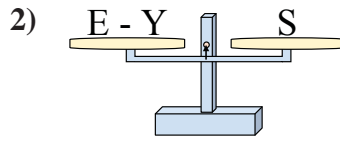
1. B
 2. C
 3. C
 4. B
 5. A
 6. D
 7. C
 8. A



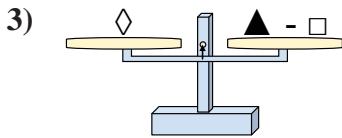
The scales shown are balanced. Determine which number sentence must be true.



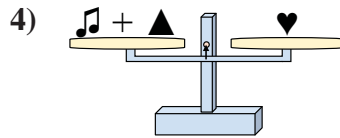
- A. $M = E + R$
 B. $M = R - E$
 C. $M = E - R$
 D. $M = R + E$



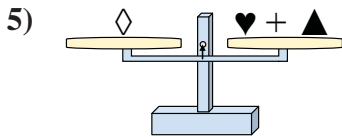
- A. $E = Y - S$
 B. $E = Y + S$
 C. $E = S - Y$
 D. $E = S + S$



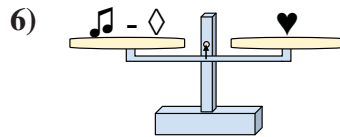
- A. $\blacktriangle = \diamond + \diamond$
 B. $\blacktriangle = \diamond - \square$
 C. $\blacktriangle = \square - \diamond$
 D. $\blacktriangle = \diamond + \square$



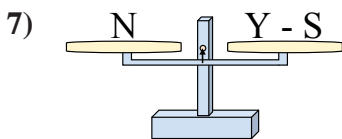
- A. $\text{Musical Note} = \blacktriangle + \heartsuit$
 B. $\text{Musical Note} = \heartsuit - \blacktriangle$
 C. $\text{Musical Note} = \blacktriangle - \heartsuit$
 D. $\text{Musical Note} = \heartsuit + \blacktriangle$



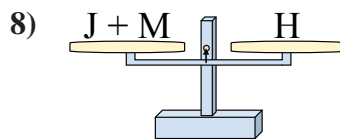
- A. $\heartsuit = \blacktriangle - \diamond$
 B. $\heartsuit = \diamond - \blacktriangle$
 C. $\heartsuit = \diamond + \blacktriangle$
 D. $\heartsuit = \blacktriangle + \diamond$



- A. $\text{Musical Note} = \diamond - \heartsuit$
 B. $\text{Musical Note} = \heartsuit - \diamond$
 C. $\text{Musical Note} = \heartsuit + \diamond$
 D. $\text{Musical Note} = \heartsuit + \heartsuit$



- A. $Y = S - N$
 B. $Y = N - S$
 C. $Y = N + S$
 D. $Y = N + N$



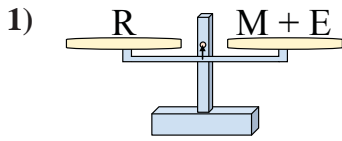
- A. $J = H + M$
 B. $J = M + H$
 C. $J = M - H$
 D. $J = H - M$

Answers

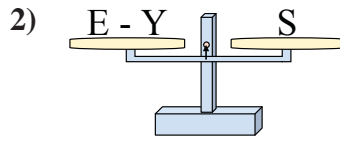
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



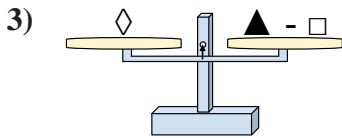
The scales shown are balanced. Determine which number sentence must be true.



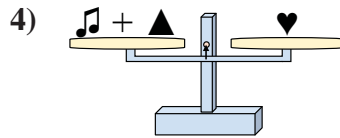
- A. $M = E + R$
- B. $M = R - E$
- C. $M = E - R$
- D. $M = R + E$



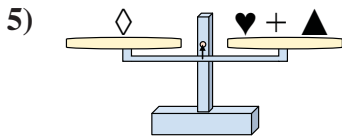
- A. $E = Y - S$
- B. $E = Y + S$
- C. $E = S - Y$
- D. $E = S + S$



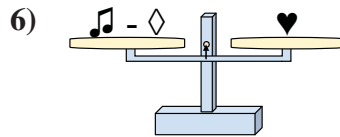
- A. $\blacktriangle = \diamond + \diamond$
- B. $\blacktriangle = \diamond - \square$
- C. $\blacktriangle = \square - \diamond$
- D. $\blacktriangle = \diamond + \square$



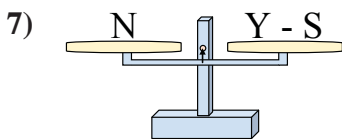
- A. $\text{Musical Note} = \blacktriangle + \heartsuit$
- B. $\text{Musical Note} = \heartsuit - \blacktriangle$
- C. $\text{Musical Note} = \blacktriangle - \heartsuit$
- D. $\text{Musical Note} = \heartsuit + \blacktriangle$



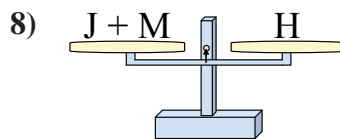
- A. $\heartsuit = \blacktriangle - \diamond$
- B. $\heartsuit = \diamond - \blacktriangle$
- C. $\heartsuit = \diamond + \blacktriangle$
- D. $\heartsuit = \blacktriangle + \diamond$



- A. $\text{Musical Note} = \diamond - \heartsuit$
- B. $\text{Musical Note} = \heartsuit - \diamond$
- C. $\text{Musical Note} = \heartsuit + \diamond$
- D. $\text{Musical Note} = \heartsuit + \heartsuit$



- A. $Y = S - N$
- B. $Y = N - S$
- C. $Y = N + S$
- D. $Y = N + N$



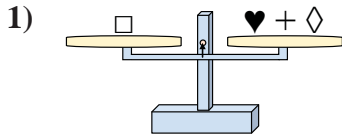
- A. $J = H + M$
- B. $J = M + H$
- C. $J = M - H$
- D. $J = H - M$

Answers

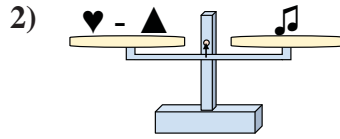
1. **B**
2. **B**
3. **D**
4. **B**
5. **B**
6. **C**
7. **C**
8. **D**



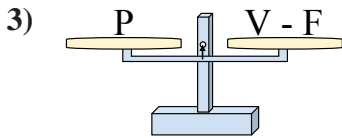
The scales shown are balanced. Determine which number sentence must be true.



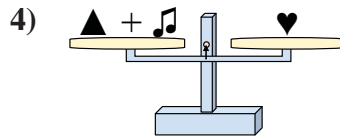
- A. $\heartsuit = \diamondsuit + \square$
 B. $\heartsuit = \diamondsuit - \square$
 C. $\heartsuit = \square + \diamondsuit$
 D. $\heartsuit = \square - \diamondsuit$



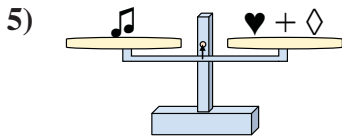
- A. $\heartsuit = \text{musical note} + \blacktriangle$
 B. $\heartsuit = \text{musical note} - \blacktriangle$
 C. $\heartsuit = \text{musical note} + \blacktriangle$
 D. $\heartsuit = \blacktriangle - \text{musical note}$



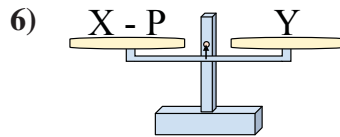
- A. $V = F + P$
 B. $V = F - P$
 C. $V = P + P$
 D. $V = P - F$



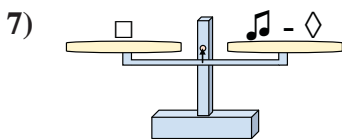
- A. $\blacktriangle = \heartsuit - \text{musical note}$
 B. $\blacktriangle = \text{musical note} + \heartsuit$
 C. $\blacktriangle = \heartsuit + \text{musical note}$
 D. $\blacktriangle = \text{musical note} - \heartsuit$



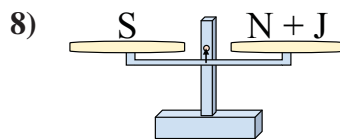
- A. $\heartsuit = \text{musical note} + \diamondsuit$
 B. $\heartsuit = \diamondsuit + \text{musical note}$
 C. $\heartsuit = \text{musical note} - \diamondsuit$
 D. $\heartsuit = \diamondsuit - \text{musical note}$



- A. $X = P - Y$
 B. $X = Y - P$
 C. $X = Y + Y$
 D. $X = Y + P$



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



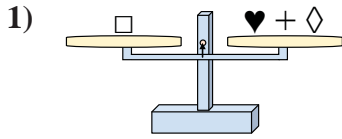
- A. $N = S + J$
 B. $N = S - J$
 C. $N = J + S$
 D. $N = J - S$

Answers

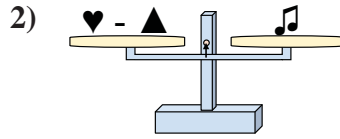
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



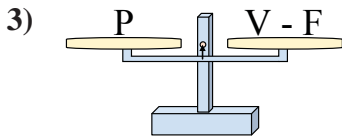
The scales shown are balanced. Determine which number sentence must be true.



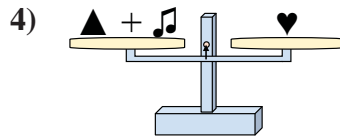
- A. $\heartsuit = \diamond + \square$
 B. $\heartsuit = \diamond - \square$
 C. $\heartsuit = \square + \diamond$
 D. $\heartsuit = \square - \diamond$



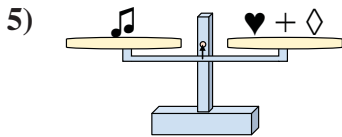
- A. $\heartsuit = \text{musical note} + \blacktriangle$
 B. $\heartsuit = \text{musical note} - \blacktriangle$
 C. $\heartsuit = \text{musical note} + \blacktriangle$
 D. $\heartsuit = \blacktriangle - \text{musical note}$



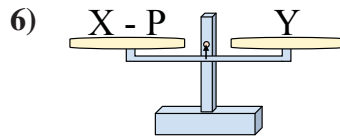
- A. $V = F + P$
 B. $V = F - P$
 C. $V = P + P$
 D. $V = P - F$



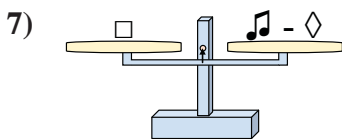
- A. $\blacktriangle = \heartsuit - \text{musical note}$
 B. $\blacktriangle = \text{musical note} + \heartsuit$
 C. $\blacktriangle = \heartsuit + \text{musical note}$
 D. $\blacktriangle = \text{musical note} - \heartsuit$



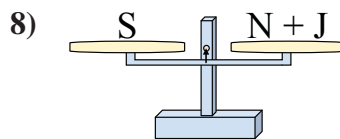
- A. $\heartsuit = \text{musical note} + \diamond$
 B. $\heartsuit = \diamond + \text{musical note}$
 C. $\heartsuit = \text{musical note} - \diamond$
 D. $\heartsuit = \diamond - \text{musical note}$



- A. $X = P - Y$
 B. $X = Y - P$
 C. $X = Y + Y$
 D. $X = Y + P$



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



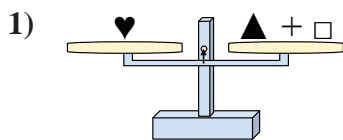
- A. $N = S + J$
 B. $N = S - J$
 C. $N = J + S$
 D. $N = J - S$

Answers

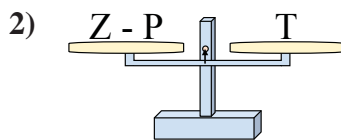
1. D
 2. C
 3. A
 4. A
 5. C
 6. D
 7. B
 8. B



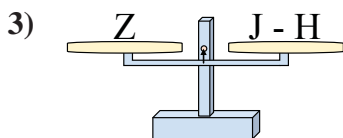
The scales shown are balanced. Determine which number sentence must be true.



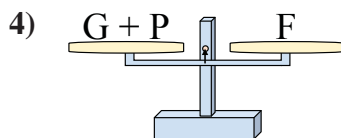
- A. $\blacktriangle = \heartsuit + \square$
 B. $\blacktriangle = \square - \heartsuit$
 C. $\blacktriangle = \heartsuit - \square$
 D. $\blacktriangle = \square + \heartsuit$



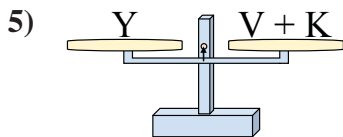
- A. $Z = T + T$
 B. $Z = P - T$
 C. $Z = T + P$
 D. $Z = T - P$



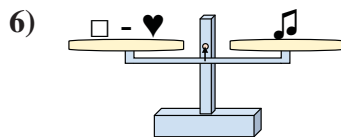
- A. $J = Z - H$
 B. $J = Z + Z$
 C. $J = H - Z$
 D. $J = H + Z$



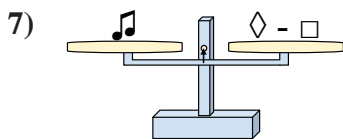
- A. $G = F - P$
 B. $G = F + P$
 C. $G = P - F$
 D. $G = P + F$



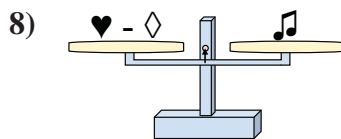
- A. $V = Y - K$
 B. $V = K + Y$
 C. $V = K - Y$
 D. $V = Y + K$



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



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



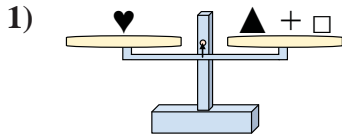
- A. $\heartsuit = \diamond - \text{musical note}$
 B. $\heartsuit = \text{musical note} + \diamond$
 C. $\heartsuit = \text{musical note} - \diamond$
 D. $\heartsuit = \text{musical note} + \text{musical note}$

Answers

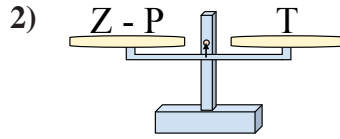
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



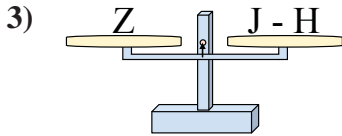
The scales shown are balanced. Determine which number sentence must be true.



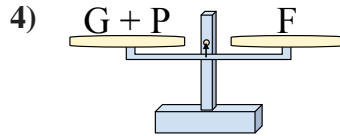
- A. $\blacktriangle = \heartsuit + \square$
 B. $\blacktriangle = \square - \heartsuit$
 C. $\blacktriangle = \heartsuit - \square$
 D. $\blacktriangle = \square + \heartsuit$



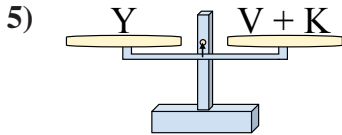
- A. $Z = T + T$
 B. $Z = P - T$
 C. $Z = T + P$
 D. $Z = T - P$



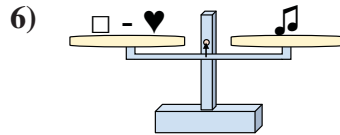
- A. $J = Z - H$
 B. $J = Z + Z$
 C. $J = H - Z$
 D. $J = H + Z$



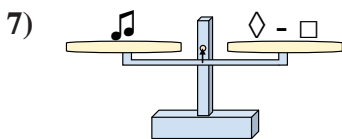
- A. $G = F - P$
 B. $G = F + P$
 C. $G = P - F$
 D. $G = P + F$



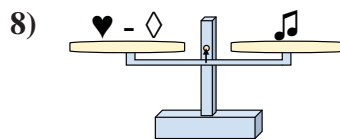
- A. $V = Y - K$
 B. $V = K + Y$
 C. $V = K - Y$
 D. $V = Y + K$



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



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



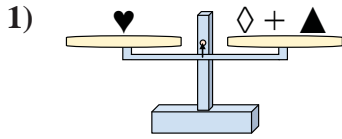
- A. $\heartsuit = \diamond - \text{musical note}$
 B. $\heartsuit = \text{musical note} + \diamond$
 C. $\heartsuit = \text{musical note} - \diamond$
 D. $\heartsuit = \text{musical note} + \text{musical note}$

Answers

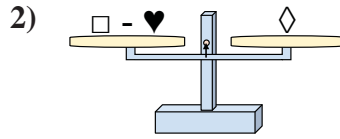
1. C
 2. C
 3. D
 4. A
 5. A
 6. B
 7. C
 8. B



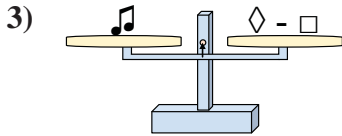
The scales shown are balanced. Determine which number sentence must be true.



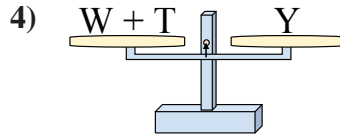
- A. $\diamond = \blacktriangle + \heartsuit$
 B. $\diamond = \blacktriangle - \heartsuit$
 C. $\diamond = \heartsuit + \blacktriangle$
 D. $\diamond = \heartsuit - \blacktriangle$



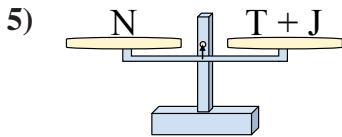
- A. $\square = \heartsuit - \diamond$
 B. $\square = \diamond - \heartsuit$
 C. $\square = \diamond + \heartsuit$
 D. $\square = \diamond + \diamond$



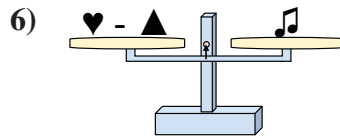
- A. $\diamond = \square + \text{musical note}$
 B. $\diamond = \text{musical note} - \square$
 C. $\diamond = \text{musical note} + \text{musical note}$
 D. $\diamond = \square - \text{musical note}$



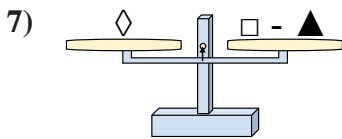
- A. $W = T + Y$
 B. $W = Y - T$
 C. $W = T - Y$
 D. $W = Y + T$



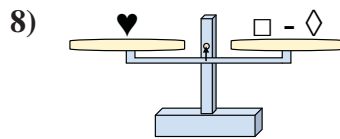
- A. $T = N - J$
 B. $T = J - N$
 C. $T = J + N$
 D. $T = N + J$



- 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. $\square = \blacktriangle - \diamond$



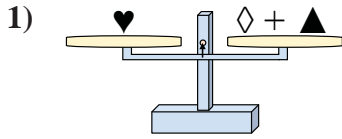
- A. $\square = \diamond - \heartsuit$
 B. $\square = \heartsuit + \heartsuit$
 C. $\square = \heartsuit - \diamond$
 D. $\square = \diamond + \heartsuit$

Answers

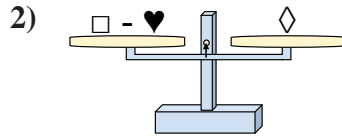
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



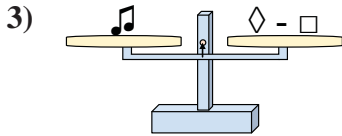
The scales shown are balanced. Determine which number sentence must be true.



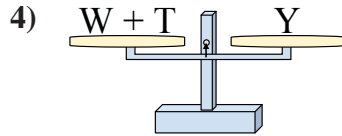
- A. $\diamond = \blacktriangle + \heartsuit$
 B. $\diamond = \blacktriangle - \heartsuit$
 C. $\diamond = \heartsuit + \blacktriangle$
 D. $\diamond = \heartsuit - \blacktriangle$



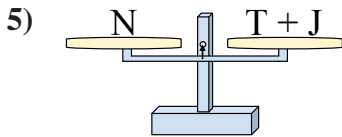
- A. $\square = \heartsuit - \diamond$
 B. $\square = \diamond - \heartsuit$
 C. $\square = \diamond + \heartsuit$
 D. $\square = \diamond + \diamond$



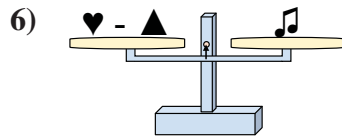
- A. $\diamond = \square + \text{musical note}$
 B. $\diamond = \text{musical note} - \square$
 C. $\diamond = \text{musical note} + \text{musical note}$
 D. $\diamond = \square - \text{musical note}$



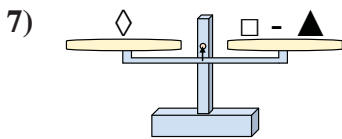
- A. $W = T + Y$
 B. $W = Y - T$
 C. $W = T - Y$
 D. $W = Y + T$



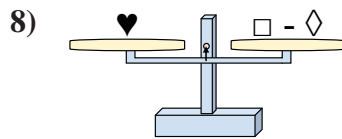
- A. $T = N - J$
 B. $T = J - N$
 C. $T = J + N$
 D. $T = N + J$



- 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. $\square = \blacktriangle - \diamond$



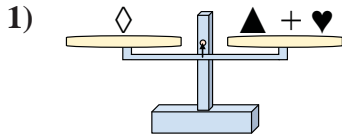
- A. $\square = \diamond - \heartsuit$
 B. $\square = \heartsuit + \heartsuit$
 C. $\square = \heartsuit - \diamond$
 D. $\square = \diamond + \heartsuit$

Answers

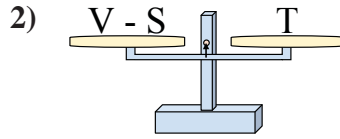
1. D
 2. C
 3. A
 4. B
 5. A
 6. A
 7. B
 8. D



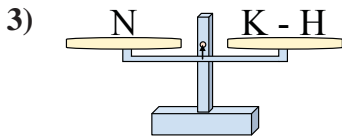
The scales shown are balanced. Determine which number sentence must be true.



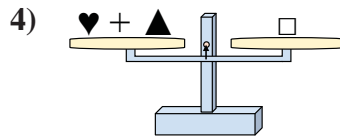
- A. $\blacktriangle = \heartsuit + \diamond$
 B. $\blacktriangle = \diamond + \heartsuit$
 C. $\blacktriangle = \diamond - \heartsuit$
 D. $\blacktriangle = \heartsuit - \diamond$



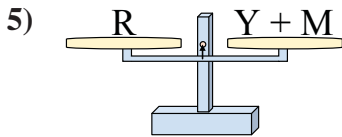
- A. $V = T + T$
 B. $V = S - T$
 C. $V = T + S$
 D. $V = T - S$



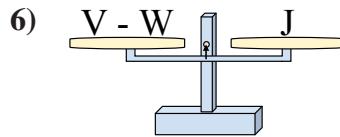
- A. $K = N - H$
 B. $K = N + N$
 C. $K = H + N$
 D. $K = H - N$



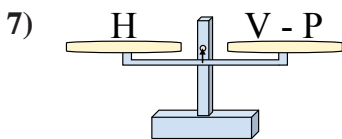
- A. $\heartsuit = \square - \blacktriangle$
 B. $\heartsuit = \blacktriangle - \square$
 C. $\heartsuit = \square + \blacktriangle$
 D. $\heartsuit = \blacktriangle + \square$



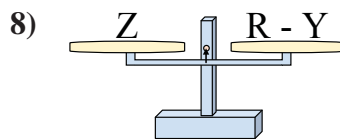
- A. $Y = M - R$
 B. $Y = R + M$
 C. $Y = M + R$
 D. $Y = R - M$



- A. $V = J - W$
 B. $V = W - J$
 C. $V = W + J$
 D. $V = J + J$



- A. $V = P + H$
 B. $V = P - H$
 C. $V = H - P$
 D. $V = H + H$



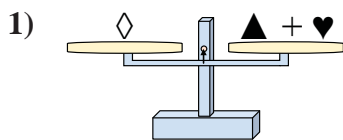
- A. $R = Z + Z$
 B. $R = Z - Y$
 C. $R = Z + Y$
 D. $R = Y - Z$

Answers

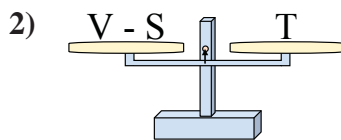
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



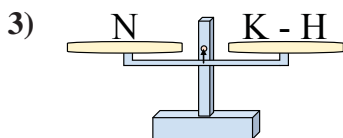
The scales shown are balanced. Determine which number sentence must be true.



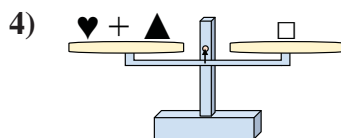
- A. $\blacktriangle = \heartsuit + \diamond$
 B. $\blacktriangle = \diamond + \heartsuit$
 C. $\blacktriangle = \diamond - \heartsuit$
 D. $\blacktriangle = \heartsuit - \diamond$



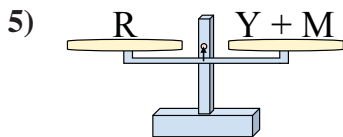
- A. $V = T + T$
 B. $V = S - T$
 C. $V = T + S$
 D. $V = T - S$



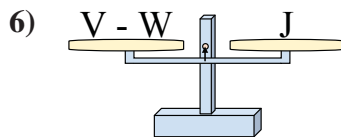
- A. $K = N - H$
 B. $K = N + N$
 C. $K = H + N$
 D. $K = H - N$



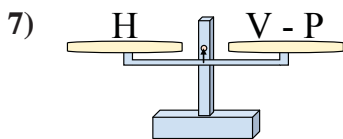
- A. $\heartsuit = \square - \blacktriangle$
 B. $\heartsuit = \blacktriangle - \square$
 C. $\heartsuit = \square + \blacktriangle$
 D. $\heartsuit = \blacktriangle + \square$



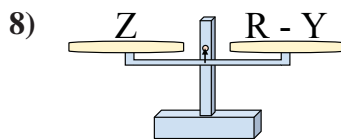
- A. $Y = M - R$
 B. $Y = R + M$
 C. $Y = M + R$
 D. $Y = R - M$



- A. $V = J - W$
 B. $V = W - J$
 C. $V = W + J$
 D. $V = J + J$



- A. $V = P + H$
 B. $V = P - H$
 C. $V = H - P$
 D. $V = H + H$



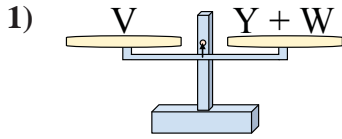
- A. $R = Z + Z$
 B. $R = Z - Y$
 C. $R = Z + Y$
 D. $R = Y - Z$

Answers

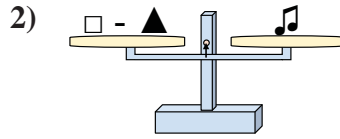
1. **C**
 2. **C**
 3. **C**
 4. **A**
 5. **D**
 6. **C**
 7. **A**
 8. **C**



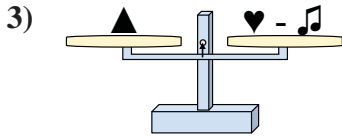
The scales shown are balanced. Determine which number sentence must be true.



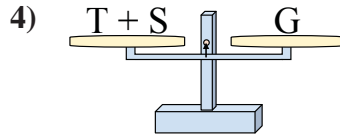
- A. $Y = W - V$
 B. $Y = V + W$
 C. $Y = V - W$
 D. $Y = W + V$



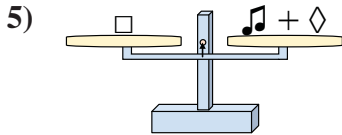
- A. $\square = \blacktriangle - \text{musical note}$
 B. $\square = \text{musical note} - \blacktriangle$
 C. $\square = \text{musical note} + \text{musical note}$
 D. $\square = \text{musical note} + \blacktriangle$



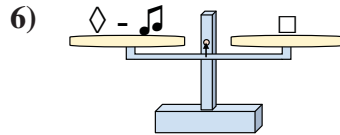
- A. $\heartsuit = \blacktriangle + \blacktriangle$
 B. $\heartsuit = \text{musical note} + \blacktriangle$
 C. $\heartsuit = \blacktriangle - \text{musical note}$
 D. $\heartsuit = \text{musical note} - \blacktriangle$



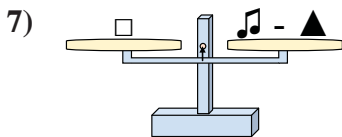
- A. $T = S - G$
 B. $T = G + S$
 C. $T = S + G$
 D. $T = G - S$



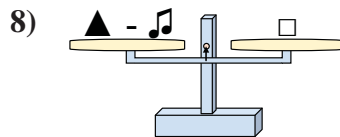
- A. $\text{musical note} = \square - \diamond$
 B. $\text{musical note} = \square + \diamond$
 C. $\text{musical note} = \diamond - \square$
 D. $\text{musical note} = \diamond + \square$



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



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



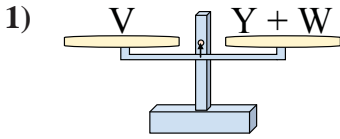
- A. $\blacktriangle = \text{musical note} - \square$
 B. $\blacktriangle = \square + \square$
 C. $\blacktriangle = \square - \text{musical note}$
 D. $\blacktriangle = \text{musical note} + \square$

Answers

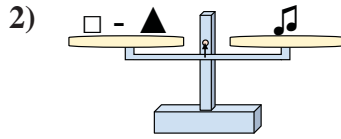
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



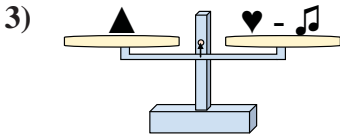
The scales shown are balanced. Determine which number sentence must be true.



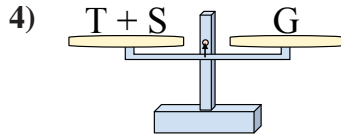
- A. $Y = W - V$
 B. $Y = V + W$
 C. $Y = V - W$
 D. $Y = W + V$



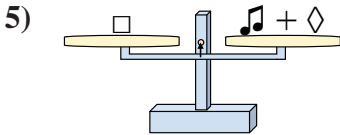
- A. $□ = ▲ - ♪$
 B. $□ = ♪ - ▲$
 C. $□ = ♪ + ♪$
 D. $□ = ♪ + ▲$



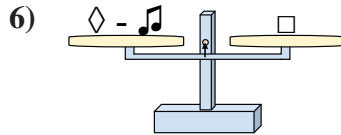
- A. $♥ = ▲ + ▲$
 B. $♥ = ♪ + ▲$
 C. $♥ = ▲ - ♪$
 D. $♥ = ♪ - ▲$



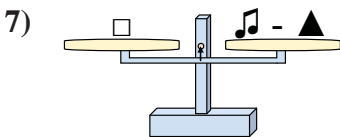
- A. $T = S - G$
 B. $T = G + S$
 C. $T = S + G$
 D. $T = G - S$



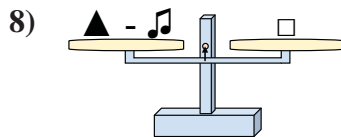
- A. $♪ = □ - ◇$
 B. $♪ = □ + ◇$
 C. $♪ = ◇ - □$
 D. $♪ = ◇ + □$



- A. $◇ = □ + □$
 B. $◇ = ♪ - □$
 C. $◇ = ♪ + □$
 D. $◇ = □ - ♪$



- A. $♪ = ▲ - □$
 B. $♪ = □ - ▲$
 C. $♪ = ▲ + □$
 D. $♪ = □ + □$



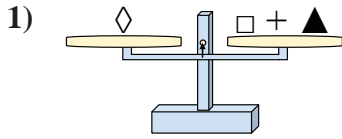
- A. $▲ = ♪ - □$
 B. $▲ = □ + □$
 C. $▲ = □ - ♪$
 D. $▲ = ♪ + □$

Answers

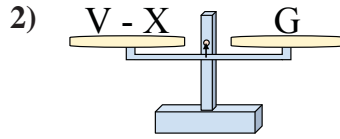
1. **C**
 2. **D**
 3. **B**
 4. **D**
 5. **A**
 6. **C**
 7. **C**
 8. **D**



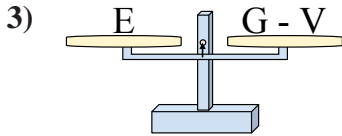
The scales shown are balanced. Determine which number sentence must be true.



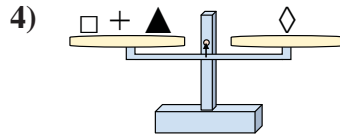
- A. $\square = \blacktriangle - \diamond$
 B. $\square = \diamond - \blacktriangle$
 C. $\square = \blacktriangle + \diamond$
 D. $\square = \diamond + \blacktriangle$



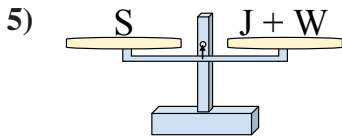
- A. $V = G - X$
 B. $V = X + G$
 C. $V = X - G$
 D. $V = G + G$



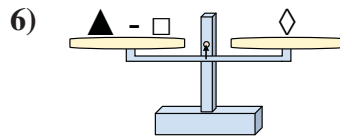
- A. $G = E - V$
 B. $G = V + E$
 C. $G = E + E$
 D. $G = V - E$



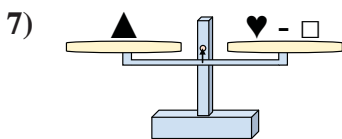
- A. $\square = \diamond - \blacktriangle$
 B. $\square = \diamond + \blacktriangle$
 C. $\square = \blacktriangle + \diamond$
 D. $\square = \blacktriangle - \diamond$



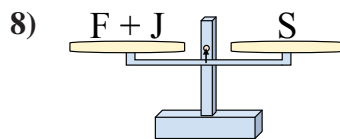
- A. $J = S + W$
 B. $J = W - S$
 C. $J = W + S$
 D. $J = S - W$



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



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



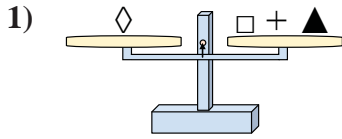
- A. $F = S + J$
 B. $F = J + S$
 C. $F = J - S$
 D. $F = S - J$

Answers

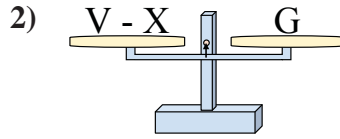
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



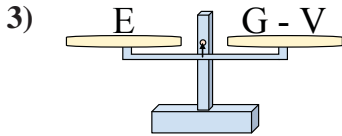
The scales shown are balanced. Determine which number sentence must be true.



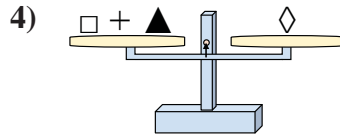
- A. $\square = \blacktriangle - \diamond$
 B. $\square = \diamond - \blacktriangle$
 C. $\square = \blacktriangle + \diamond$
 D. $\square = \diamond + \blacktriangle$



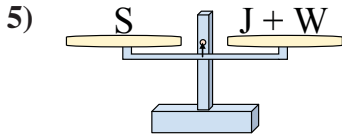
- A. $V = G - X$
 B. $V = X + G$
 C. $V = X - G$
 D. $V = G + G$



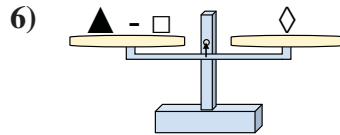
- A. $G = E - V$
 B. $G = V + E$
 C. $G = E + E$
 D. $G = V - E$



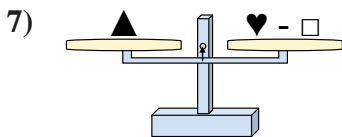
- A. $\square = \diamond - \blacktriangle$
 B. $\square = \diamond + \blacktriangle$
 C. $\square = \blacktriangle + \diamond$
 D. $\square = \blacktriangle - \diamond$



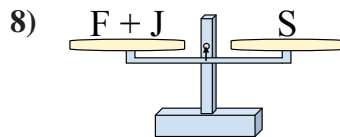
- A. $J = S + W$
 B. $J = W - S$
 C. $J = W + S$
 D. $J = S - W$



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



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



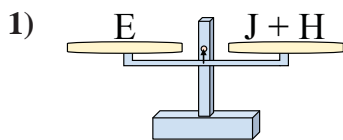
- A. $F = S + J$
 B. $F = J + S$
 C. $F = J - S$
 D. $F = S - J$

Answers

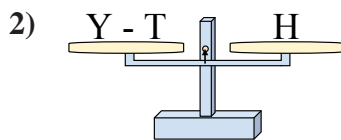
1. **B**
 2. **B**
 3. **B**
 4. **A**
 5. **D**
 6. **A**
 7. **B**
 8. **D**



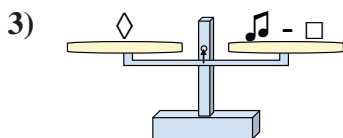
The scales shown are balanced. Determine which number sentence must be true.



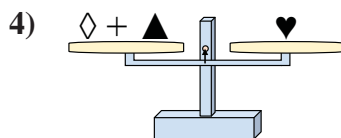
- A. $J = H + E$
 B. $J = E + H$
 C. $J = E - H$
 D. $J = H - E$



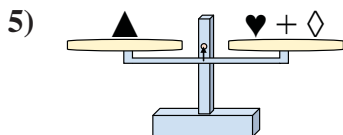
- A. $Y = T + H$
 B. $Y = H + H$
 C. $Y = H - T$
 D. $Y = T - H$



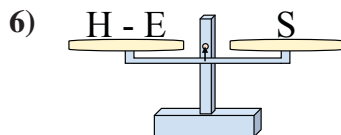
- A. $\text{Musical Note} = \text{Diamond} + \text{Diamond}$
 B. $\text{Musical Note} = \text{Square} - \text{Diamond}$
 C. $\text{Musical Note} = \text{Diamond} + \text{Square}$
 D. $\text{Musical Note} = \text{Diamond} - \text{Square}$



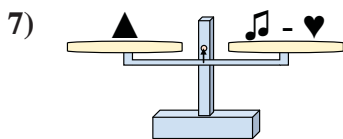
- A. $\text{Diamond} = \text{Heart} + \text{Triangle}$
 B. $\text{Diamond} = \text{Heart} - \text{Triangle}$
 C. $\text{Diamond} = \text{Triangle} - \text{Heart}$
 D. $\text{Diamond} = \text{Triangle} + \text{Heart}$



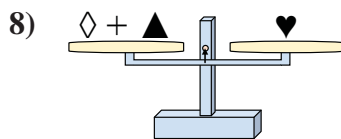
- A. $\text{Heart} = \text{Triangle} - \text{Diamond}$
 B. $\text{Heart} = \text{Diamond} + \text{Triangle}$
 C. $\text{Heart} = \text{Diamond} - \text{Triangle}$
 D. $\text{Heart} = \text{Triangle} + \text{Diamond}$



- A. $H = S - E$
 B. $H = S + E$
 C. $H = E - S$
 D. $H = S + S$



- A. $\text{Musical Note} = \text{Heart} - \text{Triangle}$
 B. $\text{Musical Note} = \text{Triangle} - \text{Heart}$
 C. $\text{Musical Note} = \text{Triangle} + \text{Heart}$
 D. $\text{Musical Note} = \text{Triangle} + \text{Triangle}$



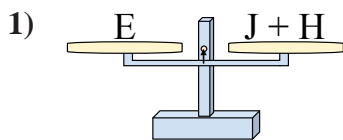
- A. $\text{Diamond} = \text{Heart} - \text{Triangle}$
 B. $\text{Diamond} = \text{Triangle} - \text{Heart}$
 C. $\text{Diamond} = \text{Heart} + \text{Triangle}$
 D. $\text{Diamond} = \text{Triangle} + \text{Heart}$

Answers

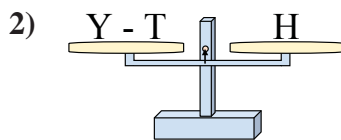
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



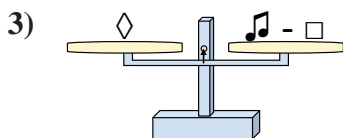
The scales shown are balanced. Determine which number sentence must be true.



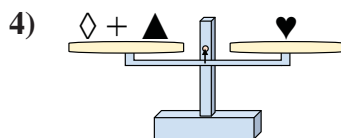
- A. $J = H + E$
 B. $J = E + H$
 C. $J = E - H$
 D. $J = H - E$



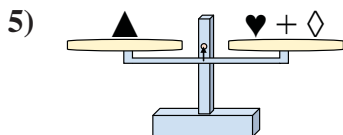
- A. $Y = T + H$
 B. $Y = H + H$
 C. $Y = H - T$
 D. $Y = T - H$



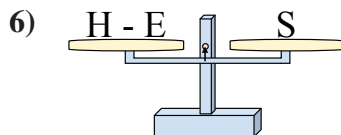
- A. $\text{Musical Note} = \text{Diamond} + \text{Diamond}$
 B. $\text{Musical Note} = \text{Square} - \text{Diamond}$
 C. $\text{Musical Note} = \text{Diamond} + \text{Square}$
 D. $\text{Musical Note} = \text{Diamond} - \text{Square}$



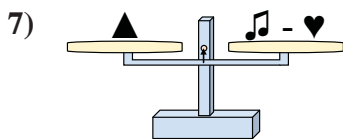
- A. $\text{Diamond} = \text{Heart} + \text{Triangle}$
 B. $\text{Diamond} = \text{Heart} - \text{Triangle}$
 C. $\text{Diamond} = \text{Triangle} - \text{Heart}$
 D. $\text{Diamond} = \text{Triangle} + \text{Heart}$



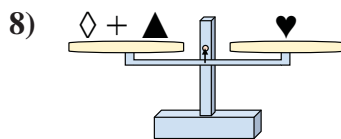
- A. $\text{Heart} = \text{Triangle} - \text{Diamond}$
 B. $\text{Heart} = \text{Diamond} + \text{Triangle}$
 C. $\text{Heart} = \text{Diamond} - \text{Triangle}$
 D. $\text{Heart} = \text{Triangle} + \text{Diamond}$



- A. $H = S - E$
 B. $H = S + E$
 C. $H = E - S$
 D. $H = S + S$



- A. $\text{Musical Note} = \text{Heart} - \text{Triangle}$
 B. $\text{Musical Note} = \text{Triangle} - \text{Heart}$
 C. $\text{Musical Note} = \text{Triangle} + \text{Heart}$
 D. $\text{Musical Note} = \text{Triangle} + \text{Triangle}$

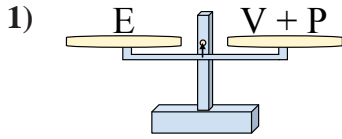


- A. $\text{Diamond} = \text{Heart} - \text{Triangle}$
 B. $\text{Diamond} = \text{Triangle} - \text{Heart}$
 C. $\text{Diamond} = \text{Heart} + \text{Triangle}$
 D. $\text{Diamond} = \text{Triangle} + \text{Heart}$

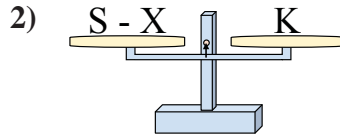
Answers1. C2. A3. C4. B5. A6. B7. C8. A



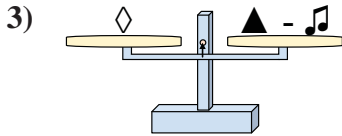
The scales shown are balanced. Determine which number sentence must be true.



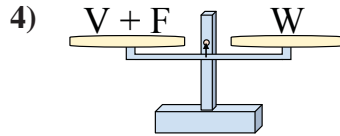
- A. $V = P + E$
 B. $V = E + P$
 C. $V = E - P$
 D. $V = P - E$



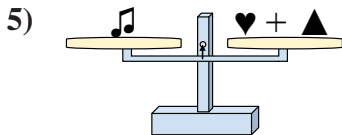
- A. $S = K + K$
 B. $S = X - K$
 C. $S = K - X$
 D. $S = K + X$



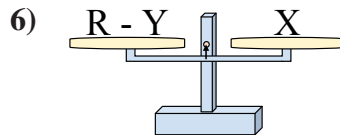
- A. $\blacktriangle = \diamond - \text{musical note}$
 B. $\blacktriangle = \text{musical note} + \diamond$
 C. $\blacktriangle = \text{musical note} - \diamond$
 D. $\blacktriangle = \diamond + \text{musical note}$



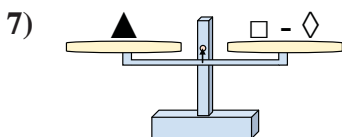
- A. $V = W - F$
 B. $V = W + F$
 C. $V = F - W$
 D. $V = F + W$



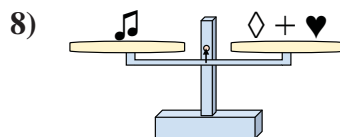
- A. $\heartsuit = \blacktriangle - \text{musical note}$
 B. $\heartsuit = \blacktriangle + \text{musical note}$
 C. $\heartsuit = \text{musical note} + \blacktriangle$
 D. $\heartsuit = \text{musical note} - \blacktriangle$



- A. $R = X - Y$
 B. $R = X + Y$
 C. $R = Y - X$
 D. $R = X + X$



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



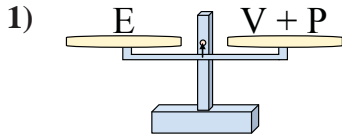
- A. $\diamond = \text{musical note} - \heartsuit$
 B. $\diamond = \heartsuit - \text{musical note}$
 C. $\diamond = \heartsuit + \text{musical note}$
 D. $\diamond = \text{musical note} + \heartsuit$

Answers

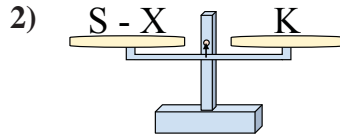
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



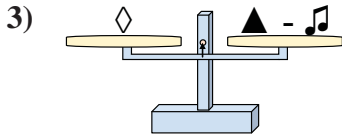
The scales shown are balanced. Determine which number sentence must be true.



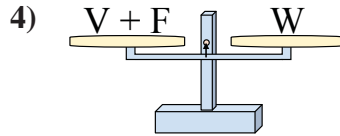
- A. $V = P + E$
 B. $V = E + P$
 C. $V = E - P$
 D. $V = P - E$



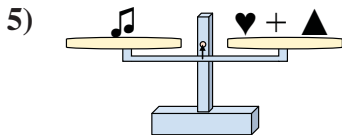
- A. $S = K + K$
 B. $S = X - K$
 C. $S = K - X$
 D. $S = K + X$



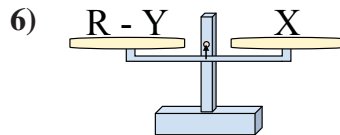
- A. $\blacktriangle = \diamond - \text{musical note}$
 B. $\blacktriangle = \text{musical note} + \diamond$
 C. $\blacktriangle = \text{musical note} - \diamond$
 D. $\blacktriangle = \diamond + \text{musical note}$



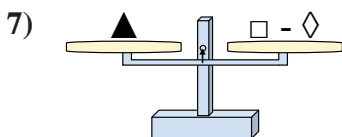
- A. $V = W - F$
 B. $V = W + F$
 C. $V = F - W$
 D. $V = F + W$



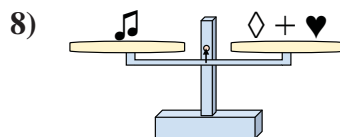
- A. $\heartsuit = \blacktriangle - \text{musical note}$
 B. $\heartsuit = \blacktriangle + \text{musical note}$
 C. $\heartsuit = \text{musical note} + \blacktriangle$
 D. $\heartsuit = \text{musical note} - \blacktriangle$



- A. $R = X - Y$
 B. $R = X + Y$
 C. $R = Y - X$
 D. $R = X + X$



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



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

Answers

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