

The Golden Boot Locker Decoder

Solve the soccer symbol equations to find the four-digit combination that opens the team's championship trophy case.

Name: _____ Date: _____

1 THE KEY

$$\blacksquare = 5 \quad \star = 2 \quad \bigcirc = 3 \quad \text{⚡} = 7 \quad \heartsuit = 6$$

Every symbol is a whole number from 1 to 10. A number in front of a shape means multiply: 2 stars = 2 x star.

2 CRACK THESE

1. $3\heartsuit - \bigcirc = \boxed{}$

2. $2\star + 2\text{⚡} = \boxed{}$

CODE 1

3. $\heartsuit + \text{⚡} + \star = \boxed{}$

4. $\bigcirc + \heartsuit + \blacksquare = \boxed{}$

CODE 2

5. $3\text{⚡} - \bigcirc = \boxed{}$

6. $\text{⚡} + 2\bigcirc = \boxed{}$

CODE 3

7. $3\star = \boxed{}$

8. $2\star = \boxed{}$

CODE 4

9. $\boxed{} + \bigcirc = 8$ Draw the shape:

10. $\boxed{} + \blacksquare = 11$ Draw the shape:

3 THE VAULT CODE

Write the ONES digit of your answers to problems 2, 4, 6, 8 (the ones tagged CODE 1-4), in that order. That opens the championship trophy case.

Answer Key

The Golden Boot Locker Decoder · Grade 2 Crack the Code

The key

■ square = 5 ★ star = 2 ○ ring = 3 ⚡ lightning bolt = 7 ♥ heart = 6

Every symbol is a whole number from 1 to 10.

- | | | | |
|-----|--------------|---------------------------------|--------|
| 1. | $3♥ - ○$ | (3 x heart - ring) | 15 |
| 2. | $2★ + 2⚡$ | (2 x star + 2 x lightning bolt) | 18 |
| 3. | $♥ + ⚡ + ★$ | (heart + lightning bolt + star) | 15 |
| 4. | $○ + ♥ + ■$ | (ring + heart + square) | 14 |
| 5. | $3⚡ - ○$ | (3 x lightning bolt - ring) | 18 |
| 6. | $⚡ + 2○$ | (lightning bolt + 2 x ring) | 13 |
| 7. | $3★$ | (3 x star) | 6 |
| 8. | $2★$ | (2 x star) | 4 |
| 9. | $□ + ○ = 8$ | (? + ring) | square |
| 10. | $□ + ■ = 11$ | (? + square) | heart |

Vault code: **8 4 3 4**