



Roblox Cat Unicorn Soccer Mystery

Solve the symbol math equations to find the four-digit combination for the locked Roblox mermaid soccer chest.

Name: _____ Date: _____

1 THE KEY

$$\heartsuit = 6 \quad \blacklozenge = 9 \quad \oplus = \square \quad \textcircled{?} = \square \quad \textcircled{\smile} = 5 \quad \bigcirc = 10$$

Every symbol is a whole number from 1 to 12. A number in front of a shape means multiply: 2 stars = 2 x star.

2 FIND THE MISSING VALUES

Some shapes in the key are missing. Use these to work them out, in order, and write them into the key.

$$\bullet + \blacklozenge = 17$$

$$4\oplus = 16$$

3 CRACK THESE

$$1. \oplus \times \bullet - \blacklozenge = \square$$

$$2. 3\bullet - \textcircled{\smile} = \square$$

CODE 1

$$3. 2\oplus + \bullet = \square$$

$$4. \heartsuit \times \bullet + \blacklozenge = \square$$

CODE 2

$$5. \blacklozenge \times \textcircled{\smile} = \square$$

$$6. 10\bigcirc + \heartsuit = \square$$

CODE 3

$$7. \textcircled{\smile} + \bullet + \blacklozenge = \square$$

$$8. 3\blacklozenge - \heartsuit = \square$$

CODE 4

$$9. \heartsuit \times \blacklozenge = \square$$

$$10. \heartsuit + \bullet + \blacklozenge = \square$$

4 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 locked roblox mermaid.

Answer Key

Roblox Cat Unicorn Soccer Mystery · Grade 3 Crack the Code

The key

♥ heart = 6 ♦ diamond = 9 + cross = 4 (hidden) ● circle = 8 (hidden) ☾ moon = 5
○ ring = 10

Every symbol is a whole number from 1 to 12.

- | | | |
|-----|--|-----|
| 1. | $+ \times \bullet - \blacklozenge$ (cross x circle - diamond) | 23 |
| 2. | $3\bullet - \smile$ (3 x circle - moon) | 19 |
| 3. | $2+ + \bullet$ (2 x cross + circle) | 16 |
| 4. | $\heartsuit \times \bullet + \blacklozenge$ (heart x circle + diamond) | 57 |
| 5. | $\blacklozenge \times \smile$ (diamond x moon) | 45 |
| 6. | $10\circ + \heartsuit$ (10 x ring + heart) | 106 |
| 7. | $\smile + \bullet + \blacklozenge$ (moon + circle + diamond) | 22 |
| 8. | $3\blacklozenge - \heartsuit$ (3 x diamond - heart) | 21 |
| 9. | $\heartsuit \times \blacklozenge$ (heart x diamond) | 54 |
| 10. | $\heartsuit + \bullet + \blacklozenge$ (heart + circle + diamond) | 23 |

Vault code: **9 7 6 1**