



Roblox Soccer Mascot Code Breaker

Determine the numerical value of each mascot picture to unlock the four-digit stadium code.

Name: _____ Date: _____

1 THE KEY

$$\text{☾} = 5 \quad \blacklozenge = 12 \quad \heartsuit = \boxed{} \quad \text{?} = \boxed{} \quad \blacktriangle = 8 \quad \star = 10$$

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.

$$\heartsuit + \heartsuit = 18$$

$$4\bigcirc = 28$$

3 CRACK THESE

$$1. \star \times \blacktriangle - \heartsuit = \boxed{}$$

$$2. \star \times \bigcirc + \blacklozenge = \boxed{}$$

CODE 1

$$3. \blacktriangle \times \bigcirc = \boxed{}$$

$$4. 3\bigcirc - \blacklozenge = \boxed{}$$

CODE 2

$$5. \star \times \text{☾} = \boxed{}$$

$$6. \blacklozenge + \text{☾} + \bigcirc = \boxed{}$$

CODE 3

$$7. \star \times \heartsuit - \text{☾} = \boxed{}$$

$$8. 10\blacklozenge + \bigcirc = \boxed{}$$

CODE 4

$$9. 5\blacklozenge - \star = \boxed{}$$

$$10. 5\blacktriangle - \heartsuit = \boxed{}$$

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 unicorn cat trophy.

Answer Key

Roblox Soccer Mascot Code Breaker · Grade 3 Crack the Code

The key

 moon = **5**
  diamond = **12**
  heart = **9** (hidden)
  ring = **7** (hidden)
  triangle = **8**
 star = **10**

Every symbol is a whole number from 1 to 12.

- | | | |
|-----|--|------------|
| 1. | $\star \times \blacktriangle - \heartsuit$ (star x triangle - heart) | 71 |
| 2. | $\star \times \bigcirc + \blacklozenge$ (star x ring + diamond) | 82 |
| 3. | $\blacktriangle \times \bigcirc$ (triangle x ring) | 56 |
| 4. | $3\bigcirc - \blacklozenge$ (3 x ring - diamond) | 9 |
| 5. | $\star \times \smile$ (star x moon) | 50 |
| 6. | $\blacklozenge + \smile + \bigcirc$ (diamond + moon + ring) | 24 |
| 7. | $\star \times \heartsuit - \smile$ (star x heart - moon) | 85 |
| 8. | $10\blacklozenge + \bigcirc$ (10 x diamond + ring) | 127 |
| 9. | $5\blacklozenge - \star$ (5 x diamond - star) | 50 |
| 10. | $5\blacktriangle - \heartsuit$ (5 x triangle - heart) | 31 |

Vault code: **2947**