

The Axolotl Sanctuary Code

Solve the math equations by finding the secret number value of each unique animal to unlock the sanctuary gate.

Name: _____ Date: _____

1 THE KEY

$$\heartsuit = 4 \quad \smile = 3 \quad \star = 6 \quad \blacklozenge = 7 \quad \bullet = 1$$

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. $\blacklozenge + \heartsuit + \bullet = \boxed{}$

2. $3\smile - \bullet = \boxed{}$

CODE 1

3. $\blacklozenge + \smile + \heartsuit = \boxed{}$

4. $\smile + \heartsuit = \boxed{}$

CODE 2

5. $2\bullet = \boxed{}$

6. $\star + \bullet - \blacklozenge = \boxed{}$

CODE 3

7. $\heartsuit + 2\blacklozenge = \boxed{}$

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

CODE 4

9. $\bullet + \boxed{} = 5$ Draw the shape:

10. $\heartsuit + \boxed{} = 7$ 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 sanctuary gate protecting.

Answer Key

The Axolotl Sanctuary Code · Grade 2 Crack the Code

The key

♥ heart = 4 ☾ moon = 3 ★ star = 6 ♦ diamond = 7 ● circle = 1

Every symbol is a whole number from 1 to 10.

- | | | |
|-----|--------------------------------------|-------|
| 1. | ♦ + ♥ + ● (diamond + heart + circle) | 12 |
| 2. | 3☾ - ● (3 x moon - circle) | 8 |
| 3. | ♦ + ☾ + ♥ (diamond + moon + heart) | 14 |
| 4. | ☾ + ♥ (moon + heart) | 7 |
| 5. | 2● (2 x circle) | 2 |
| 6. | ★ + ● - ♦ (star + circle - diamond) | 0 |
| 7. | ♥ + 2♦ (heart + 2 x diamond) | 18 |
| 8. | 2★ - ♥ (2 x star - heart) | 8 |
| 9. | ● + ☐ = 5 (circle + ?) | heart |
| 10. | ♥ + ☐ = 7 (heart + ?) | moon |

Vault code: **8708**