

The Case of the Lost Caticorn Crown

Find the secret values of the sparkling star, the cozy ball of yarn, and the magical horn to solve the math clues and unlock the golden treasure chest.

Name: _____ Date: _____

1 THE KEY

 = 1
  = 2
  = 8
  = 3
  = 5

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. $2 \blacksquare - \text{+} = \square$

2. $3 \text{+} - \blacksquare = \square$

CODE 1

3. $3 \heartsuit - \blacksquare = \square$

4. $3 \heartsuit = \square$

CODE 2

5. $\bigcirc + \text{+} = \square$

6. $2 \blacklozenge + 2 \blacksquare = \square$

CODE 3

7. $\bigcirc + 2 \blacksquare = \square$

8. $3 \text{+} = \square$

CODE 4

9. $\square + \blacklozenge = 6$ Draw the shape:

10. $\text{+} + \square = 5$ 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 golden caticorn treasure.

Answer Key

The Case of the Lost Caticorn Crown · Grade 2 Crack the Code

The key

◆ diamond = 1 ♥ heart = 2 ○ ring = 8 + cross = 3 ■ square = 5

Every symbol is a whole number from 1 to 10.

- | | | |
|-----|--------------------------------------|--------|
| 1. | $2■ - +$ (2 x square - cross) | 7 |
| 2. | $3+ - ■$ (3 x cross - square) | 4 |
| 3. | $3♥ - ■$ (3 x heart - square) | 1 |
| 4. | $3♥$ (3 x heart) | 6 |
| 5. | $○ + +$ (ring + cross) | 11 |
| 6. | $2◆ + 2■$ (2 x diamond + 2 x square) | 12 |
| 7. | $○ + 2■$ (ring + 2 x square) | 18 |
| 8. | $3+$ (3 x cross) | 9 |
| 9. | $□ + ◆ = 6$ (? + diamond) | square |
| 10. | $+ + □ = 5$ (cross + ?) | heart |

Vault code: **4 6 2 9**