



Secrets of the Mermaid Cove

Find the number that each seashell and starfish represents to reveal the secret code that opens the sunken treasure chest.

Name: _____ Date: _____

1 THE KEY

 = 10  = 4  = 1  = 6  = 8

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  =

2.  +  +  =

CODE 1

3.  +  +  =

4. 3  -  =

CODE 2

5.  +  -  =

6. 2  + 2  =

CODE 3

7. 2  =

8.  + 2  =

CODE 4

9. +  = 12 Draw the shape:

10. +  = 12 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 sunken treasure chest.

Answer Key

Secrets of the Mermaid Cove · Grade 2 Crack the Code

The key

 hexagon = 10
  heart = 4
  pentagon = 1
  circle = 6
  diamond = 8

Every symbol is a whole number from 1 to 10.

- | | | |
|-----|--|---------|
| 1. |  + 2  (hexagon + 2 x diamond) | 26 |
| 2. |  +  +  (circle + heart + diamond) | 18 |
| 3. |  +  +  (heart + circle + pentagon) | 11 |
| 4. | 3  -  (3 x hexagon - pentagon) | 29 |
| 5. |  +  -  (heart + hexagon - pentagon) | 13 |
| 6. | 2  + 2  (2 x diamond + 2 x pentagon) | 18 |
| 7. | 2  (2 x heart) | 8 |
| 8. |  + 2  (pentagon + 2 x diamond) | 17 |
| 9. |  +  = 12 (? + diamond) | heart |
| 10. |  +  = 12 (? + heart) | diamond |

Vault code: **8 9 8 7**