

The Skull Cove Codebreaker

Find the hidden number value of each pirate symbol to unlock the iron-banded sea chest before the tide rolls in.

Name: _____ Date: _____

1 THE KEY

$$\blacksquare = 4 \quad \text{?} = \square \quad \bigcirc = 2 \quad \blacklozenge = 6 \quad \text{+} = \square \quad \blacksquare = 12$$

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.

$$\text{?} + \text{?} + \text{?} = 24$$

$$\text{+} + \blacksquare = 17$$

3 CRACK THESE

$$1. \text{?} \times \blacksquare = \square$$

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

CODE 1

$$3. 2\blacksquare + \blacksquare = \square$$

$$4. \blacklozenge \times \bigcirc + \text{?} = \square$$

CODE 2

$$5. 3\text{+} - \bigcirc = \square$$

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

CODE 3

$$7. 10\blacklozenge + \text{+} = \square$$

$$8. 3\blacksquare - \text{?} = \square$$

CODE 4

$$9. \text{?} \times \bigcirc = \square$$

$$10. \blacklozenge \times \blacksquare + \text{?} = \square$$

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 iron-banded sea chest.

Answer Key

The Skull Cove Codebreaker · Grade 3 Crack the Code

The key

 hexagon = **4**
  moon = **8** (hidden)
  ring = **2**
  pentagon = **6**
  cross = **5** (hidden)
 square = **12**

Every symbol is a whole number from 1 to 12.

- | | | |
|-----|---|-----------|
| 1. |  ×  (moon x square) | 96 |
| 2. |  +  +  (square + ring + cross) | 19 |
| 3. | 2  +  (2 x hexagon + square) | 20 |
| 4. |  ×  +  (pentagon x ring + moon) | 20 |
| 5. | 3  -  (3 x cross - ring) | 13 |
| 6. | 2  +  (2 x ring + pentagon) | 10 |
| 7. | 10  +  (10 x pentagon + cross) | 65 |
| 8. | 3  -  (3 x square - moon) | 28 |
| 9. |  ×  (moon x ring) | 16 |
| 10. |  ×  +  (pentagon x hexagon + moon) | 32 |

Vault code: **9008**