



Captain Blackbeard's Secret Cipher

Solve the math equations by matching each pirate symbol to its secret number to reveal the four-digit code that opens the treasure chest.

Name: _____ Date: _____

1 THE KEY

 = 6  = 10  = 8  = 1  = 7

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. 2 $+$ +  =

CODE 1

3. 2  =

4. $+$ +  +  =

CODE 2

5. 3  =

6. 3  =

CODE 3

7. 2 $+$ + 2  =

8.  +  =

CODE 4

9.  +  = 8 Draw the shape:

10.  +  = 8 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 brass-banded wooden sea.

Answer Key

Captain Blackbeard's Secret Cipher · Grade 2 Crack the Code

The key

 hexagon = 6
  moon = 10
  cross = 8
  lightning bolt = 1
  triangle = 7

Every symbol is a whole number from 1 to 10.

- | | | | |
|-----|---|------------------------------------|----------------|
| 1. |  + 2  | (cross + 2 x moon) | 28 |
| 2. | 2  +  | (2 x cross + lightning bolt) | 17 |
| 3. | 2  | (2 x triangle) | 14 |
| 4. |  +  +  | (cross + hexagon + lightning bolt) | 15 |
| 5. | 3  | (3 x moon) | 30 |
| 6. | 3  | (3 x triangle) | 21 |
| 7. | 2  + 2  | (2 x cross + 2 x lightning bolt) | 18 |
| 8. |  +  | (lightning bolt + moon) | 11 |
| 9. |  +  = 8 | (? + triangle) | lightning bolt |
| 10. |  +  = 8 | (? + lightning bolt) | triangle |

Vault code: **7 5 1 1**