Roanoke Island Secret Cipher

Use math to find the missing numerical values of colonial symbols and unlock the hidden passage to the lost settlement.

Name: _____ **Date:** _____

1 THE KEY



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.





3 CRACK THESE

1. 

2. 

CODE 1

3. 

4. 

CODE 2

5. 

6. 

CODE 3

7. 

8. 

CODE 4

9. 

10. 

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 governor whites iron-bound.

TEACHER / PARENT

Answer Key

Roanoke Island Secret Cipher · Grade 3 Crack the Code

The key

★ star = **7** ✚ cross = **3** (hidden) ⬢ hexagon = **8** ☾ moon = **4** ● circle = **9**

◆ diamond = **12** (hidden)

Every symbol is a whole number from 1 to 12.

1.	**10**★ + ⬢ (10 x star + hexagon)	**78**
2.	★ × ◆ + ⬢ (star x diamond + hexagon)	**92**
3.	✚ × ⬢ + ☾ (cross x hexagon + moon)	**28**
4.	● × ⬢ - ✚ (circle x hexagon - cross)	**69**
5.	**10**⬢ + ✚ (10 x hexagon + cross)	**83**
6.	**5**● - ★ (5 x circle - star)	**38**
7.	**3**✚ - ☾ (3 x cross - moon)	**5**
8.	● + ✚ + ⬢ (circle + cross + hexagon)	**20**
9.	**3**⬢ - ✚ (3 x hexagon - cross)	**21**
10.	◆ + ☾ + ⬢ (diamond + moon + hexagon)	**24**

Vault code: **2 9 8 0**