

The Cretaceous Code Breaker

Find the secret numbers hidden behind the fossil shapes to unlock the secure dinosaur egg incubator.

Name: _____ Date: _____

1 THE KEY

$$\blacktriangle = 8 \quad \bigcirc = 2 \quad \heartsuit = 1 \quad + = 6 \quad \lightningbolt = 7$$

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. $2\heartsuit + \blacktriangle = \boxed{}$

2. $2\bigcirc + + = \boxed{}$

CODE 1

3. $3\blacktriangle - \bigcirc = \boxed{}$

4. $2\lightningbolt - \bigcirc = \boxed{}$

CODE 2

5. $\lightningbolt + \heartsuit - \bigcirc = \boxed{}$

6. $3\lightningbolt = \boxed{}$

CODE 3

7. $\lightningbolt + \heartsuit - \blacktriangle = \boxed{}$

8. $3\blacktriangle = \boxed{}$

CODE 4

9. $\boxed{} + + = 13$ Draw the shape: $\boxed{}$

10. $\boxed{} + \bigcirc = 8$ Draw the shape: $\boxed{}$

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 heavy steel egg.

Answer Key

The Cretaceous Code Breaker · Grade 2 Crack the Code

The key

▲ triangle = 8 ○ ring = 2 ♥ heart = 1 + cross = 6 ⚡ lightning bolt = 7

Every symbol is a whole number from 1 to 10.

- | | | | |
|-----|--------------|-------------------------------------|----------------|
| 1. | $2♥ + ▲$ | (2 x heart + triangle) | 10 |
| 2. | $2○ + +$ | (2 x ring + cross) | 10 |
| 3. | $3▲ - ○$ | (3 x triangle - ring) | 22 |
| 4. | $2⚡ - ○$ | (2 x lightning bolt - ring) | 12 |
| 5. | $⚡ + ♥ - ○$ | (lightning bolt + heart - ring) | 6 |
| 6. | $3⚡$ | (3 x lightning bolt) | 21 |
| 7. | $⚡ + ♥ - ▲$ | (lightning bolt + heart - triangle) | 0 |
| 8. | $3▲$ | (3 x triangle) | 24 |
| 9. | $□ + + = 13$ | (? + cross) | lightning bolt |
| 10. | $□ + ○ = 8$ | (? + ring) | cross |

Vault code: **0 2 1 4**