

Fossil Lab Code Breaker

Match the prehistoric dinosaur shapes to their correct numbers and solve the addition and subtraction puzzles to discover the four-digit security code.

Name: _____ Date: _____

1 THE KEY

$$\text{Crescent Moon} = 8 \quad \text{Pentagon} = 9 \quad \text{Circle} = 10 \quad \text{Triangle} = 5 \quad \text{Solid Circle} = 1$$

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. $2 \text{ Pentagon} - \text{Triangle} = \boxed{}$

2. $\text{Circle} - \text{Triangle} = \boxed{}$

CODE 1

3. $2 \text{ Pentagon} + \text{Triangle} = \boxed{}$

4. $\text{Pentagon} - \text{Solid Circle} = \boxed{}$

CODE 2

5. $\text{Solid Circle} + \text{Crescent Moon} - \text{Pentagon} = \boxed{}$

6. $\text{Triangle} + 2 \text{ Circle} = \boxed{}$

CODE 3

7. $3 \text{ Circle} - \text{Crescent Moon} = \boxed{}$

8. $2 \text{ Circle} - \text{Triangle} = \boxed{}$

CODE 4

9. $\text{Solid Circle} + \boxed{} = 11$ Draw the shape:

10. $\boxed{} + \text{Circle} = 19$ 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 locked titanium incubator.

Answer Key

Fossil Lab Code Breaker · Grade 2 Crack the Code

The key

☾ moon = 8 ⬠ pentagon = 9 ○ ring = 10 ▲ triangle = 5 ● circle = 1

Every symbol is a whole number from 1 to 10.

- | | | | |
|-----|----------------------------------|----------------------------|-----------------|
| 1. | $2\text{⬠} - \text{▲}$ | (2 x pentagon - triangle) | 13 |
| 2. | $\text{○} - \text{▲}$ | (ring - triangle) | 5 |
| 3. | $2\text{⬠} + \text{▲}$ | (2 x pentagon + triangle) | 23 |
| 4. | $\text{⬠} - \text{●}$ | (pentagon - circle) | 8 |
| 5. | $\text{●} + \text{☾} - \text{⬠}$ | (circle + moon - pentagon) | 0 |
| 6. | $\text{▲} + 2\text{○}$ | (triangle + 2 x ring) | 25 |
| 7. | $3\text{○} - \text{☾}$ | (3 x ring - moon) | 22 |
| 8. | $2\text{○} - \text{▲}$ | (2 x ring - triangle) | 15 |
| 9. | $\text{●} + \text{□}$ | = 11 (circle + ?) | ring |
| 10. | $\text{□} + \text{○}$ | = 19 (? + ring) | pentagon |

Vault code: 5855