



# Dino Dig Site Cipher

Find the hidden number for each dinosaur footprint to reveal the combination that opens the locked fossil crate.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## 1 THE KEY

 = 2     = 10     = 8     = 6     = 3

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.  -  =

CODE 1

3. 2  =

4. 2  +  =

CODE 2

5. 2  +  =

6. 3  =

CODE 3

7. 2  -  =

8. 2  -  =

CODE 4

9.  +  = 9    Draw the shape:

10.  +  = 5    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 fossil crate.

# Answer Key

Dino Dig Site Cipher · Grade 2 Crack the Code

## The key

◆ diamond = 2    ▲ triangle = 10    ☾ moon = 8    ■ square = 6    ○ ring = 3

Every symbol is a whole number from 1 to 10.

- |     |                                |         |
|-----|--------------------------------|---------|
| 1.  | ◆ + 2○ (diamond + 2 x ring)    | 8       |
| 2.  | ☾ - ■ (moon - square)          | 2       |
| 3.  | 2■ (2 x square)                | 12      |
| 4.  | 2■ + ☾ (2 x square + moon)     | 20      |
| 5.  | 2■ + ◆ (2 x square + diamond)  | 14      |
| 6.  | 3▲ (3 x triangle)              | 30      |
| 7.  | 2◆ - ○ (2 x diamond - ring)    | 1       |
| 8.  | 2■ - ▲ (2 x square - triangle) | 2       |
| 9.  | □ + ■ = 9 (? + square)         | ring    |
| 10. | □ + ○ = 5 (? + ring)           | diamond |

Vault code: **2002**