



# Dinosaur Dig Code Breaker

Use your math skills to figure out what each dinosaur symbol stands for and unlock the fossil storage chest.

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

## 1 THE KEY

$$\text{⚡} = 1 \quad \text{+} = 5 \quad \blacksquare = 7 \quad \blacklozenge = 9 \quad \heartsuit = 6$$

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.  $3 \heartsuit - \blacklozenge = \square$

2.  $3 \blacklozenge - \text{+} = \square$

CODE 1

3.  $2 \blacksquare = \square$

4.  $2 \blacksquare + 2 \text{+} = \square$

CODE 2

5.  $\blacksquare + \blacklozenge = \square$

6.  $\text{+} + \blacklozenge + \heartsuit = \square$

CODE 3

7.  $3 \text{+} = \square$

8.  $\blacklozenge - \text{⚡} = \square$

CODE 4

9.  $\square + \text{⚡} = 7$  Draw the shape:

10.  $\blacklozenge + \square = 10$  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 jurassic fossil storage.

# Answer Key

Dinosaur Dig Code Breaker · Grade 2 Crack the Code

## The key

⚡ lightning bolt = 1    + cross = 5    ■ square = 7    ⬡ hexagon = 9    ♥ heart = 6

Every symbol is a whole number from 1 to 10.

- |     |                                     |                |
|-----|-------------------------------------|----------------|
| 1.  | 3 ♥ - ⬡ (3 x heart - hexagon)       | 9              |
| 2.  | 3 ⬡ - + (3 x hexagon - cross)       | 22             |
| 3.  | 2 ■ (2 x square)                    | 14             |
| 4.  | 2 ■ + 2 + (2 x square + 2 x cross)  | 24             |
| 5.  | ■ + ⬡ (square + hexagon)            | 16             |
| 6.  | + + ⬡ + ♥ (cross + hexagon + heart) | 20             |
| 7.  | 3 + (3 x cross)                     | 15             |
| 8.  | ⬡ - ⚡ (hexagon - lightning bolt)    | 8              |
| 9.  | □ + ⚡ = 7 (? + lightning bolt)      | heart          |
| 10. | ⬡ + □ = 10 (hexagon + ?)            | lightning bolt |

Vault code: **2 4 0 8**