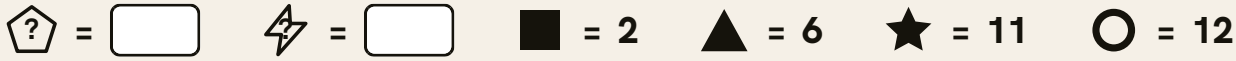
Redstone Lock Code Breaker

Solve the block equations to find the four-digit combination that unlocks the obsidian chest.

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. ⬟ × ϟ = ☐

2. 5○ - ■ = ☐ CODE 1

3. 3ϟ - ○ = ☐

4. 5⬟ - ■ = ☐ CODE 2

5. ⬟ × ϟ + ★ = ☐

6. ⬟ + ■ + ϟ = ☐ CODE 3

7. ○ × ■ - ▲ = ☐

8. ▲ + ○ + ■ = ☐ CODE 4

9. ★ × ϟ = ☐

10. 3▲ - ⬟ = ☐

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 obsidian treasure chest.

TEACHER / PARENT

Answer Key

Redstone Lock Code Breaker · Grade 3 Crack the Code

The key

pentagon = **4** (hidden) · lightning bolt = **9** (hidden) · square = **2** · triangle = **6** · star = **11** · ring = **12**

Every symbol is a whole number from 1 to 12.

1.	pentagon × lightning bolt	**36**
2.	5 × ring − square	**58**
3.	3 × lightning bolt − ring	**15**
4.	5 × pentagon − square	**18**
5.	pentagon × lightning bolt + star	**47**
6.	pentagon + square + lightning bolt	**15**
7.	ring × square − triangle	**18**
8.	triangle + ring + square	**20**
9.	star × lightning bolt	**99**
10.	3 × triangle − pentagon	**14**

Vault code: **8 8 5 0**