Ocean Kingdom Vault Code

Calculate the values of the sea symbols to crack the four-digit lock on the sunken treasure chest.

Name: _____ **Date:** _____

1 THE KEY



Every symbol is a whole number from 1 to 20. 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. ● × ▲ - ★ = ☐

2. ☾ × ● × ▲ = ☐ CODE 1

3. ⬟ × ▲ ÷ ● = ☐

4. (☾ + ✚) × ★ = ☐ CODE 2

5. (☾ + ⬟) × ▲ = ☐

6. ✚ × ● - ▲ = ☐ CODE 3

7. 10▲ - ☾ = ☐

8. ⬟ × ✚ × ★ = ☐ CODE 4

9. ☾ × ✚ + ● × ★ = ☐

10. (☾ + ★) ÷ ⬟ = ☐

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 barnacle-covered iron chest.

TEACHER / PARENT

Answer Key

Ocean Kingdom Vault Code · Grade 5 Crack the Code

The key

pentagon = **19** (hidden) triangle = **16** star = **12** (hidden) moon = **7** circle = **8** (hidden) cross = **15**

Every symbol is a whole number from 1 to 20.

1. ● × ▲ - ★ (circle x triangle - star) **116**
2. ☾ × ● × ▲ (moon x circle x triangle) **896**
3. ⬟ × ▲ ÷ ● (pentagon x triangle / circle) **38**
4. (☾ + ✚) × ★ ((moon + cross) x star) **264**
5. (☾ + ⬟) × ▲ ((moon + pentagon) x triangle) **416**
6. ✚ × ● - ▲ (cross x circle - triangle) **104**
7. 10 ▲ - ☾ (10 x triangle - moon) **153**
8. ⬟ × ✚ × ★ (pentagon x cross x star) **3420**
9. ☾ × ✚ + ● × ★ (moon x cross + circle x star) **201**
10. (☾ + ★) ÷ ⬟ ((moon + star) / pentagon) **1**

Vault code: **6 4 4 0**