



The Angler's Tackle Box Code

Solve the math equations using the fishing lure values to find the four-digit combination to the lock.

Name: _____ Date: _____

1 THE KEY

$$+ = 8 \quad \blacklozenge = 4 \quad \star = \square \quad \bigcirc = 6 \quad \triangle = \square \quad \blacksquare = 7$$

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.

$$\blacktriangle + \blacktriangle = 10$$

$$\star + \star = 22$$

3 CRACK THESE

$$1. \blacklozenge \times \blacktriangle = \square$$

$$2. 3\blacktriangle - \star = \square$$

CODE 1

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

$$4. 10\bigcirc + \star = \square$$

CODE 2

$$5. \blacktriangle + \blacksquare + \star = \square$$

$$6. 2\bigcirc + \star = \square$$

CODE 3

$$7. \blacksquare \times \bigcirc - \blacklozenge = \square$$

$$8. \bigcirc + \star + \blacklozenge = \square$$

CODE 4

$$9. + \times \blacksquare + \blacktriangle = \square$$

$$10. \blacksquare \times \blacklozenge = \square$$

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 master tackle box.

Answer Key

The Angler's Tackle Box Code · Grade 3 Crack the Code

The key

+ cross = 8 ♦ diamond = 4 ★ star = 11 (hidden) ○ ring = 6 ▲ triangle = 5 (hidden)
 ■ square = 7

Every symbol is a whole number from 1 to 12.

- | | |
|--|----|
| 1. ♦ × ▲ (diamond x triangle) | 20 |
| 2. 3▲ - ★ (3 x triangle - star) | 4 |
| 3. 3▲ - ♦ (3 x triangle - diamond) | 11 |
| 4. 10○ + ★ (10 x ring + star) | 71 |
| 5. ▲ + ■ + ★ (triangle + square + star) | 23 |
| 6. 2○ + ★ (2 x ring + star) | 23 |
| 7. ■ × ○ - ♦ (square x ring - diamond) | 38 |
| 8. ○ + ★ + ♦ (ring + star + diamond) | 21 |
| 9. + × ■ + ▲ (cross x square + triangle) | 61 |
| 10. ■ × ♦ (square x diamond) | 28 |

Vault code: **4 1 3 1**