Feline Mystery Code

Calculate the value of each cat icon to crack the four-digit combination on the locked treat vault.

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. 10 - = ☐ CODE 2

5. 10 - = ☐

6. × + × = ☐ CODE 3

7. 3 + 2 = ☐

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 locked treat vault.

TEACHER / PARENT

Answer Key

Feline Mystery Code · Grade 5 Crack the Code

The key

◆ diamond = **12** (hidden) ♥ heart = **11** (hidden) ■ square = **6** (hidden) ✚ cross = **8** ● circle = **20**

ϟ lightning bolt = **16**

Every symbol is a whole number from 1 to 20.

1. **(● + ■) × ϟ** ((circle + square) x lightning bolt) — **416**
2. **◆ × ✚ - ■** (diamond x cross - square) — **90**
3. **■ × ✚ - ♥** (square x cross - heart) — **37**
4. **10 ϟ - ■** (10 x lightning bolt - square) — **154**
5. **10 ■ - ◆** (10 x square - diamond) — **48**
6. **● × ✚ × ■** (circle x cross x square) — **960**
7. **3 ϟ + 2 ■** (3 x lightning bolt + 2 x square) — **60**
8. **■ + ◆ × ϟ** (square + diamond x lightning bolt) — **198**
9. **◆ × (♥ - ■)** (diamond x (heart - square)) — **60**
10. **(◆ + ■) × ●** ((diamond + square) x circle) — **360**

Vault code: 0 4 0 8