



Crack the Vault Code

Someone locked the vault with a 4-digit code. Work out what each shape is worth and crack it.

Name: _____ Date: _____

1 THE KEY

$$+ = 8 \quad \bullet = 5 \quad \bigcirc = 2 \quad \blacktriangle = 4$$

Every symbol is a whole number from 1 to 9.

2 CRACK THESE

1. $+ + \bigcirc = \square$

2. $14 - \bullet = \square$

CODE 1

3. $\blacktriangle + \bullet = \square$

4. $\bigcirc + + + \bullet = \square$

CODE 2

5. $+ - \bigcirc = \square$

6. $\bigcirc + \blacktriangle + + = \square$

CODE 3

7. $19 - + = \square$

8. $\bullet - \bigcirc = \square$

CODE 4

9. $\square + \bullet = 13$ Draw the shape: $\square$

10. $\blacktriangle + \square = 6$ Draw the shape: $\square$

3 THE VAULT CODE

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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 vault.

Answer Key

Crack the Vault Code · Grade 1 Crack the Code

The key

+ cross = **8** **●** circle = **5** **○** ring = **2** **▲** triangle = **4**

Every symbol is a whole number from 1 to 9.

- | | | |
|-----|--|--------------|
| 1. | + + ○ (cross + ring) | 10 |
| 2. | 14 - ● (14 - circle) | 9 |
| 3. | ▲ + ● (triangle + circle) | 9 |
| 4. | ○ + + + ● (ring + cross + circle) | 15 |
| 5. | + - ○ (cross - ring) | 6 |
| 6. | ○ + ▲ + + (ring + triangle + cross) | 14 |
| 7. | 19 - + (19 - cross) | 11 |
| 8. | ● - ○ (circle - ring) | 3 |
| 9. | □ + ● = 13 (? + circle) | cross |
| 10. | ▲ + □ = 6 (triangle + ?) | ring |

Vault code: 9 5 4 3