The Redstone Vault Code

Calculate the value of each Minecraft block to crack the four-digit combination and unlock the secret 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.

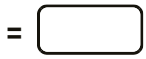


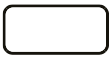


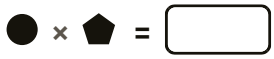
3 CRACK THESE

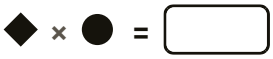
1. 

2.  CODE 1

3. 

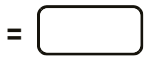
4.  CODE 2

5. 

6.  CODE 3

7. 

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 obsidian vault.

TEACHER / PARENT

Answer Key

The Redstone Vault Code · Grade 3 Crack the Code

The key

pentagon = **3** heart = **2** cross = **9** (hidden) circle = **12** diamond = **4** (hidden)
ring = **8**

Every symbol is a whole number from 1 to 12.

1. pentagon × cross + circle (pentagon x cross + circle) — **39**
2. circle + cross + heart (circle + cross + heart) — **23**
3. 3 × ring − cross (3 x ring - cross) — **15**
4. 5 × heart − diamond (5 x heart - diamond) — **6**
5. circle × pentagon (circle x pentagon) — **36**
6. diamond × circle (diamond x circle) — **48**
7. diamond × pentagon − heart (diamond x pentagon - heart) — **10**
8. ring × circle + cross (ring x circle + cross) — **105**
9. 5 × circle − heart (5 x circle - heart) — **58**
10. 2 × cross + pentagon (2 x cross + pentagon) — **21**

Vault code: 3 6 8 5