The Enchanted Meadow Secret Code

Determine the numeric value of each magical symbol to discover the combination that unlocks the starlight crystal vault.

Name: _____ **Date:** _____

1 THE KEY



Every symbol is a whole number from 1 to 15. 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. 3⬟ + 2★ = _____ CODE 1

3. 3▲ + 2● = _____

4. ★ × ✚ - ◆ = _____ CODE 2

5. ◆ × ★ = _____

6. ⬟ × ● + ▲ = _____ CODE 3

7. ✚ × ★ + ⬟ = _____

8. 10▲ - ★ = _____ CODE 4

9. 10★ - ✚ = _____

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 starlight crystal vault.

TEACHER / PARENT

Answer Key

The Enchanted Meadow Secret Code · Grade 4 Crack the Code

The key

✚ cross = **11** (hidden) ▲ triangle = **3** ★ star = **5** ● circle = **10** (hidden) ⬟ pentagon = **15**

◆ diamond = **4** (hidden)

Every symbol is a whole number from 1 to 15.

1.	✚ × ★ (cross x star)	**55**
2.	**3** ⬟ + **2** ★ (3 x pentagon + 2 x star)	**55**
3.	**3** ▲ + **2** ● (3 x triangle + 2 x circle)	**29**
4.	★ × ✚ - ◆ (star x cross - diamond)	**51**
5.	◆ × ★ (diamond x star)	**20**
6.	⬟ × ● + ▲ (pentagon x circle + triangle)	**153**
7.	✚ × ★ + ⬟ (cross x star + pentagon)	**70**
8.	**10** ▲ - ★ (10 x triangle - star)	**25**
9.	**10** ★ - ✚ (10 x star - cross)	**39**
10.	✚ × ⬟ - ★ (cross x pentagon - star)	**160**

Vault code: **5 1 3 5**