



Unicorn Valley Cipher

Find the hidden number for each star, crown, and rainbow to crack the code and unlock the star-dust chest.

Name: _____ Date: _____

1 THE KEY

 = 7  = 4  = 6  = 9  = 3

Every symbol is a whole number from 1 to 10. A number in front of a shape means multiply: 2 stars = 2 x star.

2 CRACK THESE

1.  +  =

2.  +  -  =

CODE 1

3.  +  -  =

4.  + 2  =

CODE 2

5. 3  =

6. 2  +  =

CODE 3

7. 2  =

8. 2  +  =

CODE 4

9.  +  = 10 Draw the shape:

10.  +  = 13 Draw the shape:

3 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 star-dust chest.

Answer Key

Unicorn Valley Cipher · Grade 2 Crack the Code

The key

▲ triangle = 7 ⬠ pentagon = 4 + cross = 6 ☾ moon = 9 ★ star = 3

Every symbol is a whole number from 1 to 10.

1. ☾ + ⬠ (moon + pentagon) 13
2. ▲ + + - ☾ (triangle + cross - moon) 4
3. ★ + ⬠ - + (star + pentagon - cross) 1
4. ⬠ + 2▲ (pentagon + 2 x triangle) 18
5. 3+ (3 x cross) 18
6. 2+ + ▲ (2 x cross + triangle) 19
7. 2⬠ (2 x pentagon) 8
8. 2☾ + ⬠ (2 x moon + pentagon) 22
9. □ + ⬠ = 10 (? + pentagon) cross
10. + + □ = 13 (cross + ?) triangle

Vault code: **4 8 9 2**