

The Glittering Pasture Vault

Figure out the number value of each magical unicorn symbol to find the four-digit code that opens the secret stable.

Name: _____ Date: _____

1 THE KEY

$$\bullet = 6 \quad \text{?} = \square \quad \hexagon = 10 \quad \triangle? = \square \quad + = 7 \quad \text{lightning bolt} = 2$$

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.

$$\blacktriangle + \blacktriangle + \blacktriangle = 33$$

$$\text{crescent moon} + \bullet = 15$$

3 CRACK THESE

$$1. \quad 2+ + \bullet = \square$$

$$2. \quad \blacktriangle \times \text{crescent moon} - + = \square$$

CODE 1

$$3. \quad \text{crescent moon} \times \hexagon = \square$$

$$4. \quad \text{crescent moon} \times \text{lightning bolt} + \bullet = \square$$

CODE 2

$$5. \quad \blacktriangle + \bullet + \text{crescent moon} = \square$$

$$6. \quad + \times \blacktriangle = \square$$

CODE 3

$$7. \quad \bullet \times \blacktriangle + \hexagon = \square$$

$$8. \quad 5\text{crescent moon} - \blacktriangle = \square$$

CODE 4

$$9. \quad \text{lightning bolt} \times \bullet - \hexagon = \square$$

$$10. \quad 2+ + \hexagon = \square$$

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 crystal-encrusted oats container.

Answer Key

The Glittering Pasture Vault · Grade 3 Crack the Code

The key

 circle = 6
  moon = 9 (hidden)
  hexagon = 10
  triangle = 11 (hidden)
  cross = 7
 lightning bolt = 2

Every symbol is a whole number from 1 to 12.

- | | | | |
|-----|---|-------------------------------------|----|
| 1. | $2+$ +  | (2 x cross + circle) | 20 |
| 2. |  x  - $+$ | (triangle x moon - cross) | 92 |
| 3. |  x  | (moon x hexagon) | 90 |
| 4. |  x  +  | (moon x lightning bolt + circle) | 24 |
| 5. |  +  +  | (triangle + circle + moon) | 26 |
| 6. | $+$ x  | (cross x triangle) | 77 |
| 7. |  x  +  | (circle x triangle + hexagon) | 76 |
| 8. | 5  -  | (5 x moon - triangle) | 34 |
| 9. |  x  -  | (lightning bolt x circle - hexagon) | 2 |
| 10. | $2+$ +  | (2 x cross + hexagon) | 24 |

Vault code: **2 4 7 4**