



The Botanical Greenhouse Code

Calculate the value of each flower symbol to reveal the four-digit combination that unlocks the rare orchid display case.

Name: _____ Date: _____

1 THE KEY

 = 14  =  =  = 13  =  = 6

Every symbol is a whole number from 1 to 20. 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.

² = 16

3  = 60

² = 100

3 CRACK THESE

1.  x  -  =

2. 10  -  =

CODE 1

3. ( + ) x  =

4.  ÷ 2 +  =

CODE 2

5.  x  -  =

6. ( + ) x  =

CODE 3

7. 10  -  =

8.  x  -  x  =

CODE 4

9.  +  x  =

10.  +  x  =

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 rare orchid display.

Answer Key

The Botanical Greenhouse Code · Grade 5 Crack the Code

The key

 pentagon = **14**
  star = **10** (hidden)
  circle = **20** (hidden)
  cross = **13**
  heart = **4** (hidden)
 moon = **6**

Every symbol is a whole number from 1 to 20.

- | | | |
|-----|---|------------|
| 1. | $\heartsuit \times \bullet - \star$ (heart x circle - star) | 70 |
| 2. | $10 \bullet - \heartsuit$ (10 x circle - heart) | 196 |
| 3. | $(\oplus + \smile) \times \heartsuit$ ((cross + moon) x heart) | 76 |
| 4. | $\bullet \div 2 + \text{pentagon}$ (circle / 2 + pentagon) | 24 |
| 5. | $\text{pentagon} \times \oplus - \heartsuit$ (pentagon x cross - heart) | 178 |
| 6. | $(\text{pentagon} + \smile) \times \star$ ((pentagon + moon) x star) | 200 |
| 7. | $10 \bullet - \smile$ (10 x circle - moon) | 194 |
| 8. | $\bullet \times \text{pentagon} - \oplus \times \star$ (circle x pentagon - cross x star) | 150 |
| 9. | $\star + \bullet \times \oplus$ (star + circle x cross) | 270 |
| 10. | $\smile + \heartsuit \times \oplus$ (moon + heart x cross) | 58 |

Vault code: **6400**