



Royal Rumble Code Breaker

Solve the wrestler symbol equations to crack the four-digit lock and claim the championship belt.

Name: _____ Date: _____

1 THE KEY

$$\text{?} = \square \quad \text{☾} = 7 \quad \blacktriangle = 17 \quad \heartsuit = \square \quad \blacklozenge = 6 \quad \oplus = \square$$

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.

$$\bigcirc^2 = 169$$

$$2 \heartsuit + \text{☾} = 23$$

$$\oplus^2 = 144$$

3 CRACK THESE

$$1. (\bigcirc + \oplus) \times \blacktriangle = \square$$

$$2. 10 \heartsuit - \text{☾} = \square$$

CODE 1

$$3. \bigcirc \times \blacktriangle - \heartsuit \times \text{☾} = \square$$

$$4. (\oplus + \blacktriangle) \times \heartsuit = \square$$

CODE 2

$$5. 10 \text{☾} - \blacktriangle = \square$$

$$6. \heartsuit + \blacktriangle \times \bigcirc = \square$$

CODE 3

$$7. \blacktriangle \times \text{☾} + \bigcirc \times \oplus = \square$$

$$8. \bigcirc + \blacktriangle \times \text{☾} = \square$$

CODE 4

$$9. \blacklozenge \div 2 + \heartsuit = \square$$

$$10. \heartsuit \times \oplus - \text{☾} = \square$$

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 money in the.

Answer Key

Royal Rumble Code Breaker · Grade 5 Crack the Code

The key

 ring = **13** (hidden)
  moon = **7**
  triangle = **17**
  heart = **8** (hidden)
  pentagon = **6**
 cross = **12** (hidden)

Every symbol is a whole number from 1 to 20.

- | | | |
|-----|---|------------|
| 1. | $(\bigcirc + \oplus) \times \blacktriangle$ ((ring + cross) x triangle) | 425 |
| 2. | $10 \heartsuit - \lrcorner$ (10 x heart - moon) | 73 |
| 3. | $\bigcirc \times \blacktriangle - \heartsuit \times \lrcorner$ (ring x triangle - heart x moon) | 165 |
| 4. | $(\oplus + \blacktriangle) \times \heartsuit$ ((cross + triangle) x heart) | 232 |
| 5. | $10 \lrcorner - \blacktriangle$ (10 x moon - triangle) | 53 |
| 6. | $\heartsuit + \blacktriangle \times \bigcirc$ (heart + triangle x ring) | 229 |
| 7. | $\blacktriangle \times \lrcorner + \bigcirc \times \oplus$ (triangle x moon + ring x cross) | 275 |
| 8. | $\bigcirc + \blacktriangle \times \lrcorner$ (ring + triangle x moon) | 132 |
| 9. | $\blacklozenge \div 2 + \heartsuit$ (pentagon / 2 + heart) | 11 |
| 10. | $\heartsuit \times \oplus - \lrcorner$ (heart x cross - moon) | 89 |

Vault code: 3 2 9 2