



Basketball Championship Code Breaker

Solve the basketball math puzzles to decode the combination and unlock the locker room supply chest.

Name: _____ Date: _____

1 THE KEY

$$\text{⚡} = \square \quad \text{+} = 12 \quad \text{⬢} = 5 \quad \text{?} = \square \quad \text{★} = \square \quad \text{☾} = 9$$

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.

$$4 \text{⬢} = 40$$

$$\text{★} + \text{★} + \text{★} = 42$$

$$\text{⚡} \times \text{⬢} = 130$$

3 CRACK THESE

$$1. \text{☾} \times \text{⬢} = \square$$

$$2. 3\text{+} + 2\text{★} = \square$$

CODE 1

$$3. (\text{+} + \text{★}) \times \text{⬢} = \square$$

$$4. \text{⬢} \times \text{+} + \text{⚡} = \square$$

CODE 2

$$5. 100\text{☾} + \text{⚡} = \square$$

$$6. \text{⚡} \times \text{⬢} - \text{⬢} = \square$$

CODE 3

$$7. 3\text{☾} + 2\text{★} = \square$$

$$8. (\text{⚡} + \text{⬢}) \times \text{⬢} = \square$$

CODE 4

$$9. \text{⚡} \times \text{⬢} = \square$$

$$10. (\text{⚡} - \text{+}) \times \text{☾} = \square$$

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 locker room supply.

Answer Key

Basketball Championship Code Breaker · Grade 4 Crack the Code

The key

⚡ lightning bolt = **13** (hidden) + cross = **12** ⬡ hexagon = **5** ■ square = **10** (hidden)
 ★ star = **14** (hidden) ☾ moon = **9**

Every symbol is a whole number from 1 to 15.

1. ☾ × ⬡ (moon x hexagon) **45**
2. 3+ + 2★ (3 x cross + 2 x star) **64**
3. (+ + ★) × ⬡ ((cross + star) x hexagon) **130**
4. ■ × + + ⚡ (square x cross + lightning bolt) **133**
5. 100☾ + ⚡ (100 x moon + lightning bolt) **913**
6. ⚡ × ■ - ⬡ (lightning bolt x square - hexagon) **125**
7. 3☾ + 2★ (3 x moon + 2 x star) **55**
8. (⚡ + ⬡) × ■ ((lightning bolt + hexagon) x square) **180**
9. ⚡ × ■ (lightning bolt x square) **130**
10. (⚡ - +) × ☾ ((lightning bolt - cross) x moon) **9**

Vault code: **4 3 5 0**