



Championship Locker Code Breaker

Solve the soccer-themed symbol equations to find the hidden numbers and unlock the stadium gear locker before the final whistle.

Name: _____ Date: _____

1 THE KEY

$$\star = 11 \quad + = 15 \quad (?) = \square \quad (?) = \square \quad \blacktriangle = 4 \quad (\text{pentagon with ?}) = \square$$

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.

$$2\bigcirc + \blacktriangle = 18$$

$$\blacklozenge - + = 2$$

$$2\bullet + \blacktriangle = 44$$

3 CRACK THESE

$$1. \blacktriangle \times \star + \bigcirc \times + = \square$$

$$2. \bullet \times \star + \bigcirc \times + = \square$$

CODE 1

$$3. \blacklozenge \times + \times \star = \square$$

$$4. \blacklozenge + \star \times \bullet = \square$$

CODE 2

$$5. \blacklozenge \times \blacktriangle - \bullet = \square$$

$$6. + \times \bullet - \bigcirc \times \blacktriangle = \square$$

CODE 3

$$7. 3\blacktriangle + 2\bigcirc = \square$$

$$8. 3\blacklozenge + 2\blacktriangle = \square$$

CODE 4

$$9. \bigcirc \times (\blacklozenge - +) = \square$$

$$10. \blacktriangle \times + - \bullet = \square$$

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 teams gold championship.

Answer Key

Championship Locker Code Breaker · Grade 5 Crack the Code

The key

★ star = **11** + cross = **15** ● circle = **20** (hidden) ○ ring = **7** (hidden) ▲ triangle = **4**
 ⬠ pentagon = **17** (hidden)

Every symbol is a whole number from 1 to 20.

- | | | |
|-----|--|-------------|
| 1. | ▲ × ★ + ○ × + (triangle x star + ring x cross) | 149 |
| 2. | ● × ★ + ○ × + (circle x star + ring x cross) | 325 |
| 3. | ⬠ × + × ★ (pentagon x cross x star) | 2805 |
| 4. | ⬠ + ★ × ● (pentagon + star x circle) | 237 |
| 5. | ⬠ × ▲ - ● (pentagon x triangle - circle) | 48 |
| 6. | + × ● - ○ × ▲ (cross x circle - ring x triangle) | 272 |
| 7. | 3▲ + 2○ (3 x triangle + 2 x ring) | 26 |
| 8. | 3⬠ + 2▲ (3 x pentagon + 2 x triangle) | 59 |
| 9. | ○ × (⬠ - +) (ring x (pentagon - cross)) | 14 |
| 10. | ▲ × + - ● (triangle x cross - circle) | 40 |

Vault code: **5729**