

The Championship Locker Code

Solve the soccer ball math equations to decode the secret values and find the combination to the team equipment chest.

Name: _____ Date: _____

1 THE KEY

$$\text{?} = \square \quad \blacktriangle = 4 \quad \star = 5 \quad \text{☾} = 12 \quad \boxed{\text{?}} = \square \quad \bigcirc = 11$$

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.

$$\bigcirc - \blacklozenge = 4$$

$$\blacksquare + \blacksquare + \blacksquare = 18$$

3 CRACK THESE

$$1. \quad \blacktriangle \times \star + \blacklozenge = \square$$

$$2. \quad \blacksquare \times \blacklozenge = \square$$

CODE 1

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

$$4. \quad 2\blacksquare + \blacklozenge = \square$$

CODE 2

$$5. \quad \bigcirc \times \blacktriangle = \square$$

$$6. \quad 5\blacktriangle - \bigcirc = \square$$

CODE 3

$$7. \quad 3\blacktriangle - \blacksquare = \square$$

$$8. \quad \blacklozenge \times \blacktriangle - \text{☾} = \square$$

CODE 4

$$9. \quad 5\blacksquare - \blacktriangle = \square$$

$$10. \quad \blacksquare + \blacktriangle + \blacklozenge = \square$$

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 team equipment chest.

Answer Key

The Championship Locker Code · Grade 3 Crack the Code

The key

 pentagon = 7 (hidden)
  triangle = 4
  star = 5
  moon = 12
  square = 6 (hidden)
 ring = 11

Every symbol is a whole number from 1 to 12.

- | | | |
|-----|--|----|
| 1. |  ×  +  (triangle x star + pentagon) | 27 |
| 2. |  ×  (square x pentagon) | 42 |
| 3. |  ×  +  (pentagon x star + square) | 41 |
| 4. | 2  +  (2 x square + pentagon) | 19 |
| 5. |  ×  (ring x triangle) | 44 |
| 6. | 5  -  (5 x triangle - ring) | 9 |
| 7. | 3  -  (3 x triangle - square) | 6 |
| 8. |  ×  -  (pentagon x triangle - moon) | 16 |
| 9. | 5  -  (5 x square - triangle) | 26 |
| 10. |  +  +  (square + triangle + pentagon) | 17 |

Vault code: 2996