



Basketball Locker Code Breaker

Solve each math equation to figure out what each sports item is worth and unlock the team equipment locker.

Name: _____ Date: _____

1 THE KEY

$$+ = 4 \quad \heartsuit = 2 \quad \hexagon = 8 \quad \star = 9 \quad \blacktriangle = 7$$

Every symbol is a whole number from 1 to 10. A number in front of a shape means multiply: 2 stars = 2 x star.

2 CRACK THESE

1. $3 \heartsuit = \square$

2. $3 + = \square$

CODE 1

3. $\star + \hexagon + \blacktriangle = \square$

4. $+ + 2 \hexagon = \square$

CODE 2

5. $\star + \blacktriangle - \heartsuit = \square$

6. $2 \hexagon + \star = \square$

CODE 3

7. $2 \star + \heartsuit = \square$

8. $\heartsuit + \blacktriangle + \hexagon = \square$

CODE 4

9. $\square + + = 6$ Draw the shape: $\square$

10. $\heartsuit + \square = 9$ Draw the shape: $\square$

3 THE VAULT CODE

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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 locker.

Answer Key

Basketball Locker Code Breaker · Grade 2 Crack the Code

The key

+ cross = **4** **♥** heart = **2** **⬡** hexagon = **8** **★** star = **9** **▲** triangle = **7**

Every symbol is a whole number from 1 to 10.

- | | | |
|-----|---|-----------------|
| 1. | 3♥ (3 x heart) | 6 |
| 2. | 3+ (3 x cross) | 12 |
| 3. | ★ + ⬡ + ▲ (star + hexagon + triangle) | 24 |
| 4. | + + 2⬡ (cross + 2 x hexagon) | 20 |
| 5. | ★ + ▲ - ♥ (star + triangle - heart) | 14 |
| 6. | 2⬡ + ★ (2 x hexagon + star) | 25 |
| 7. | 2★ + ♥ (2 x star + heart) | 20 |
| 8. | ♥ + ▲ + ⬡ (heart + triangle + hexagon) | 17 |
| 9. | □ + + = 6 (? + cross) | heart |
| 10. | ♥ + □ = 9 (heart + ?) | triangle |

Vault code: 2057