



Prehistoric Hoops Math Quest

Solve the symbol equations to figure out the four-digit combination for the dinosaur basketball team's equipment locker.

Name: _____ Date: _____

1 THE KEY

$$+ = 9 \quad \star = 2 \quad \heartsuit = 1 \quad \blacklozenge = 8 \quad \blacksquare = 10$$

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. $\star + 2\heartsuit = \boxed{}$

2. $+ + \blacksquare = \boxed{}$

CODE 1

3. $\blacksquare + 2\heartsuit = \boxed{}$

4. $2+ + 2\star = \boxed{}$

CODE 2

5. $\star + + \heartsuit = \boxed{}$

6. $\star + \blacksquare = \boxed{}$

CODE 3

7. $2\heartsuit = \boxed{}$

8. $2\blacksquare + + = \boxed{}$

CODE 4

9. $\boxed{} + \blacklozenge = 9$ Draw the shape:

10. $\blacklozenge + \boxed{} = 18$ Draw the shape:

3 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 dinosaur basketball equipment.

Answer Key

Prehistoric Hoops Math Quest · Grade 2 Crack the Code

The key

 cross = 9
  star = 2
  heart = 1
  pentagon = 8
  square = 10

Every symbol is a whole number from 1 to 10.

- | | | |
|-----|--|--------|
| 1. |  + 2  (star + 2 x heart) | 4 |
| 2. |  +  (cross + square) | 19 |
| 3. |  + 2  (square + 2 x heart) | 12 |
| 4. | 2  + 2  (2 x cross + 2 x star) | 22 |
| 5. |  +  +  (star + cross + heart) | 12 |
| 6. |  +  (star + square) | 12 |
| 7. | 2  (2 x heart) | 2 |
| 8. | 2  +  (2 x square + cross) | 29 |
| 9. |  +  = 9 (? + pentagon) | heart |
| 10. |  +  = 18 (pentagon + ?) | square |

Vault code: 9 2 2 9