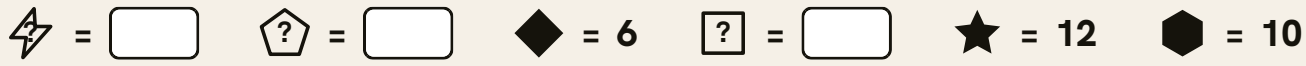
Unicorn Hoops Secret Code

Solve the math equations on the magical basketball court to find the digits needed to open the trophy case.

Name: _____ **Date:** _____

1 THE KEY



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.







3 CRACK THESE

1. 

2. 

CODE 1

3. 

4. 

CODE 2

5. 

6. 

CODE 3

7. 

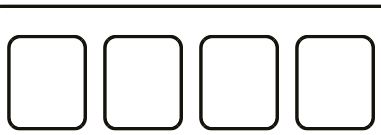
8. 

CODE 4

9. 

10. 

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 enchanted trophy case.

TEACHER / PARENT

Answer Key

Unicorn Hoops Secret Code · Grade 5 Crack the Code

The key

lightning bolt = **11** (hidden) · pentagon = **4** (hidden) · diamond = **6** · square = **8** (hidden)

star = **12** · hexagon = **10**

Every symbol is a whole number from 1 to 20.

1.	■ × (★ − ⬢) (square x (star - hexagon))	**16**
2.	■ × ⬟ × ◆ (square x pentagon x diamond)	**192**
3.	(⬟ + ◆) × ■ ((pentagon + diamond) x square)	**80**
4.	3■ + 2⬢ (3 x square + 2 x hexagon)	**44**
5.	★ × ⬟ ÷ ◆ (star x pentagon / diamond)	**8**
6.	★ × (⬢ − ⬟) (star x (hexagon - pentagon))	**72**
7.	10⬟ − ★ (10 x pentagon - star)	**28**
8.	⬟ × ■ × ★ (pentagon x square x star)	**384**
9.	(★ + ⬟) × ϟ ((star + pentagon) x lightning bolt)	**176**
10.	★ + ⬟ × ⬢ (star + pentagon x hexagon)	**52**

Vault code: **2 4 2 4**