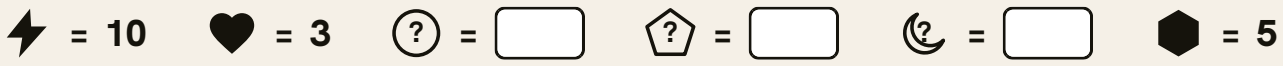
Crack the Vault Code

Someone locked the vault with a 4-digit code. Work out what each shape is worth and crack it.

Name: _____ **Date:** _____

1 THE KEY



Every symbol is a whole number from 1 to 15. 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. 100 + = _____

2. 3 + 2 = _____ CODE 1

3. 100 + = _____

4. (+) × = _____ CODE 2

5. × = _____

6. 3 + 2 = _____ 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 vault.

TEACHER / PARENT

Answer Key

Crack the Vault Code · Grade 4 Crack the Code

The key

lightning bolt = **10** heart = **3** circle = **11** (hidden) pentagon = **12** (hidden)

moon = **15** (hidden) hexagon = **5**

Every symbol is a whole number from 1 to 15.

1.	**100** pentagon + circle (100 x pentagon + circle)	**1211**
2.	**3** heart + **2** moon (3 x heart + 2 x moon)	**39**
3.	**100** heart + moon (100 x heart + moon)	**315**
4.	(lightning bolt + heart) × hexagon ((lightning bolt + heart) x hexagon)	**65**
5.	lightning bolt × moon (lightning bolt x moon)	**150**
6.	**3** heart + **2** hexagon (3 x heart + 2 x hexagon)	**19**
7.	circle × hexagon - heart (circle x hexagon - heart)	**52**
8.	hexagon × moon - pentagon (hexagon x moon - pentagon)	**63**
9.	lightning bolt × moon ÷ hexagon (lightning bolt x moon / hexagon)	**30**
10.	pentagon × circle + hexagon (pentagon x circle + hexagon)	**137**

Vault code: **9 5 9 3**