Enchanted Starlight Vault Code

Solve the magical symbol equations to find the secret numerical code that unlocks the ancient unicorn treasure chest.

Name: _____ **Date:** _____

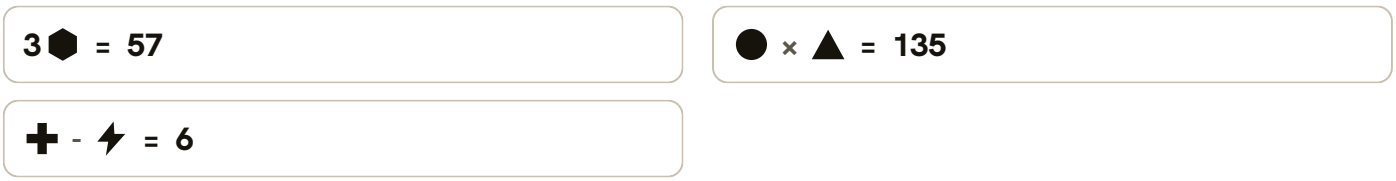
1 THE KEY



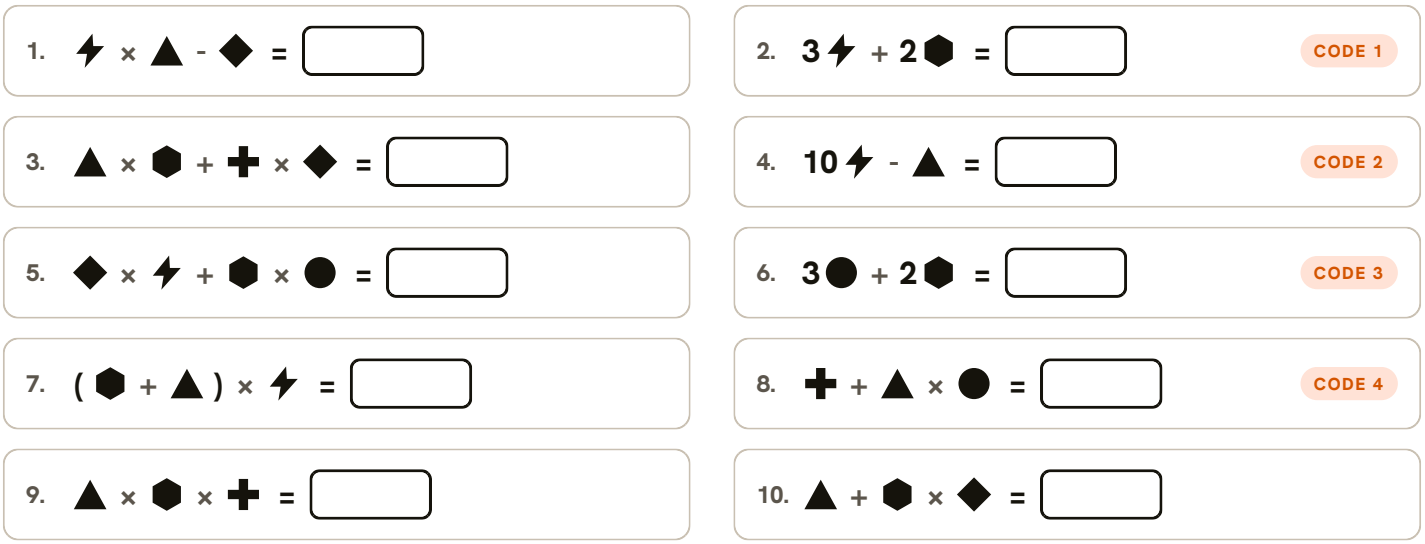
Every symbol is a whole number from 1 to 20. A number in front of a shape means multiply: 2 stars = 2 x star.

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



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 ancient enchanted treasure.

TEACHER / PARENT

Answer Key

Enchanted Starlight Vault Code · Grade 5 Crack the Code

The key

lightning bolt = **11** triangle = **15** circle = **9** (hidden) cross = **17** (hidden)

hexagon = **19** (hidden) diamond = **5**

Every symbol is a whole number from 1 to 20.

1.	⚡ × ▲ - ◆ (lightning bolt x triangle - diamond)	**160**
2.	3 ⚡ + 2 ⬢ (3 x lightning bolt + 2 x hexagon)	**71**
3.	▲ × ⬢ + ✚ × ◆ (triangle x hexagon + cross x diamond)	**370**
4.	10 ⚡ - ▲ (10 x lightning bolt - triangle)	**95**
5.	◆ × ⚡ + ⬢ × ● (diamond x lightning bolt + hexagon x circle)	**226**
6.	3 ● + 2 ⬢ (3 x circle + 2 x hexagon)	**65**
7.	(⬢ + ▲) × ⚡ ((hexagon + triangle) x lightning bolt)	**374**
8.	✚ + ▲ × ● (cross + triangle x circle)	**152**
9.	▲ × ⬢ × ✚ (triangle x hexagon x cross)	**4845**
10.	▲ + ⬢ × ◆ (triangle + hexagon x diamond)	**110**

Vault code: **1 5 5 2**