

The Astro-Explorer Rocket Code

Solve these space-symbol math problems to find the secret numbers and unlock the starship navigation computer.

Name: _____ Date: _____

1 THE KEY

$$\text{⚡} = 7 \quad \text{★} = 1 \quad \text{⬠} = 4 \quad \text{♥} = 6$$

Every symbol is a whole number from 1 to 9.

2 CRACK THESE

1. $\text{♥} - \text{★} = \boxed{}$

2. $11 - \text{⬠} = \boxed{}$

CODE 1

3. $\text{♥} + \text{⚡} = \boxed{}$

4. $\text{♥} + \text{⚡} + \text{★} = \boxed{}$

CODE 2

5. $\text{♥} + \text{⚡} + \text{⬠} = \boxed{}$

6. $\text{★} + 4 = \boxed{}$

CODE 3

7. $\text{⬠} + \text{♥} = \boxed{}$

8. $\text{⚡} - \text{⬠} = \boxed{}$

CODE 4

9. $\boxed{} + \text{⚡} = 8$ Draw the shape: $\boxed{}$

10. $\boxed{} + \text{★} = 8$ Draw the shape: $\boxed{}$

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 starship navigation computer.

Answer Key

The Astro-Explorer Rocket Code · Grade 1 Crack the Code

The key

⚡ lightning bolt = 7 ★ star = 1 ⬠ pentagon = 4 ♥ heart = 6

Every symbol is a whole number from 1 to 9.

1. ♥ - ★ (heart - star) 5
2. 11 - ⬠ (11 - pentagon) 7
3. ♥ + ⚡ (heart + lightning bolt) 13
4. ♥ + ⚡ + ★ (heart + lightning bolt + star) 14
5. ♥ + ⚡ + ⬠ (heart + lightning bolt + pentagon) 17
6. ★ + 4 (star + 4) 5
7. ⬠ + ♥ (pentagon + heart) 10
8. ⚡ - ⬠ (lightning bolt - pentagon) 3
9. + ⚡ = 8 (? + lightning bolt) star
10. + ★ = 8 (? + star) lightning bolt

Vault code: **7 4 5 3**