

Mystery of the Cipher Scroll - A Gravity Falls Adventure

Introduction

Dipper and Mabel have found an ancient scroll hidden in the attic of the Mystery Shack. This scroll holds the key to unlocking the secret of the Cipher Beast, but it is protected by magical equations. To reveal the code and solve the mystery, help them solve each one-step equation. Each correct answer provides a letter that spells out the final phrase.

Objective

Solve the equations, convert the numerical answer to its corresponding letter in the alphabet (e.g., 1 = A, 2 = B, etc.), and spell out the secret phrase.

Equations:

1. Solve for x:

$$X + 3 = 23$$

Answer: _____ (Corresponding letter: _____)

Hint: (x) should be converted to its place in the alphabet.

2. Solve for y:

$$Y - 7 = 11$$

Answer: _____ (Corresponding letter: _____)

3. Solve for z:

$$\underline{Z} = 7$$

3

Answer: _____ (Corresponding letter: _____)

4. Solve for m:

$$M + 1 = 20$$

Answer: _____ (Corresponding letter: _____)

5. Solve for p:

$$P * 2 = 40$$

Answer: _____ (Corresponding letter: _____)

6. Solve for k:

$$K - 13 = 1$$

Answer: _____ (Corresponding letter: _____)

7. Solve for n:

$$N + 5 = 20$$

Answer: _____ (Corresponding letter: _____)

8. Solve for w:

$$\frac{W}{3} = 5$$

3

Answer: _____ (Corresponding letter: _____)

9. Solve for a:

$$A * 2 = 28$$

Answer: _____ (Corresponding letter: _____)

10. Solve for r:

$$R + 14 = 19$$

Answer: _____ (Corresponding letter: _____)

Final Task

Write out the letters you found in order to reveal the secret phrase: