



ALGEBRA

代数

Variable

Expression

Coefficient

Exponent

Operator

Delimiters

Constant

Negative Number

Term

Positive Number

5. Constant (定数)

A constant is a number on its own — it doesn't have a variable next to it.

- 7
- -8
- 100

How can we write the problem using an expression?

You must do operations inside the brackets first!

$$x + 5 - 8$$

Variable

Constant

Constant

7. EXPONENT (指数)

An exponent is a little number that tells you how many times to multiply

3^2 means:
 $\rightarrow 3 \times 3$

$$2^2$$

How many times do you multiply?

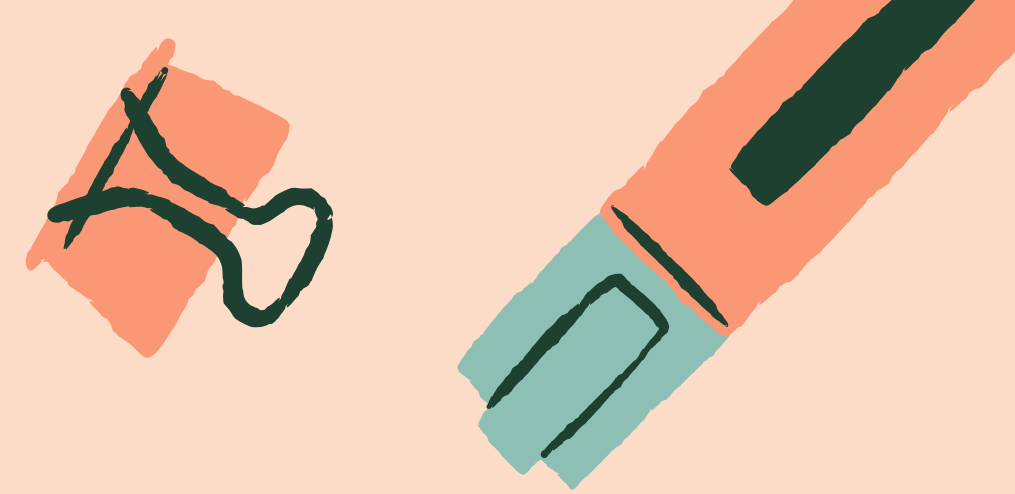
$$4^3$$

What number will you multiply?
How many times?



STORY
TIME

THE MISTERY OF THE MISSING TREASURE



Once upon a time, in a small village, there was a legend about a hidden treasure. The treasure was said to be buried by a clever pirate named Captain Algebra. He loved math and used it to hide his gold from would-be thieves.

One day, three friends—Mia, Ken, and Yuki—decided to search for this treasure. They found a map that gave them clues. Each clue was a riddle involving algebra!

Riddle 1: The First Clue**

"Add 5 to my number, then multiply by 2.

If you equal 20, what is my number?"

Mia thought for a moment. "Let's call the number 'x'," she suggested. The

equation would be $(2 * (x + 5)) = 20$

After solving, they found that the number was 5. "The first clue leads us to the old oak tree!" said Ken.