

FIGURE OUT THE CODE!

Crack the secret message!

NAME: _____ DATE: _____

A = 1 B = 2 ...
C = 3

Example Code:
4 15 7
= DOG

1. PREDICTION

What do you think this activity is about?
How do you think the code works?

3. WRITE YOUR SECRET CODES

Write 5-10 secret codes for a friend to decode.

1. _____
2. _____
3. _____
4. _____
5. _____

4. DECODE THE MESSAGE

Use your friend's code key to decode their secret messages.

1. 4 15 7 = _____
2. 9 14 7 5 = _____
3. 20 8 5 18 = _____
4. 3 15 13 = _____
5. 18 1 14 4 5 = _____

2. CREATE YOUR CODE KEY

Assign a number to each letter of the alphabet.

A	B	C	D	E	F	G	H	I
_____	_____	_____	_____	_____	_____	_____	_____	_____
J	K	L	M	N	O	P	Q	R
_____	_____	_____	_____	_____	_____	_____	_____	_____
S	T	U	V	W	X	Y	Z	
_____	_____	_____	_____	_____	_____	_____	_____	_____

5. CHALLENGE QUESTION

Create your own math code using addition or subtraction. Example: If $3 + 2 = 5$, then $5 = E$.
Write one example code and ask a friend to solve it.

___ + ___ = ___ ___ - ___ = ___ ___ + ___ = ___

Clue: _____

What is the code word? _____

HOW TO PLAY



- 1 Create a code key by assigning a number to each letter.



4 15 7
9 14 7 5

- 2 Write secret codes for a friend.



What does this say?

- 3 Trade with a friend and try to decode their messages.



- 4 The player who decodes the most messages wins!

WHY IS THIS HAPPENING?



This activity helps children develop reasoning and problem-solving skills by introducing them to basic decoding concepts.

EXAMPLE CODE KEY

A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8 I=9
J=10 K=11 L=12 M=13 N=14 O=15 P=16 Q=17 R=18
S=19 T=20 U=21 V=22 W=23 X=24 Y=25 Z=26

EXAMPLE:

4 15 7
↓ ↓ ↓
D O G
= DOG



EXTRA QUESTION

How could you make your code even harder to crack? Give an example.

NOTE

You can make the game more challenging by using bigger numbers or secret symbols!

