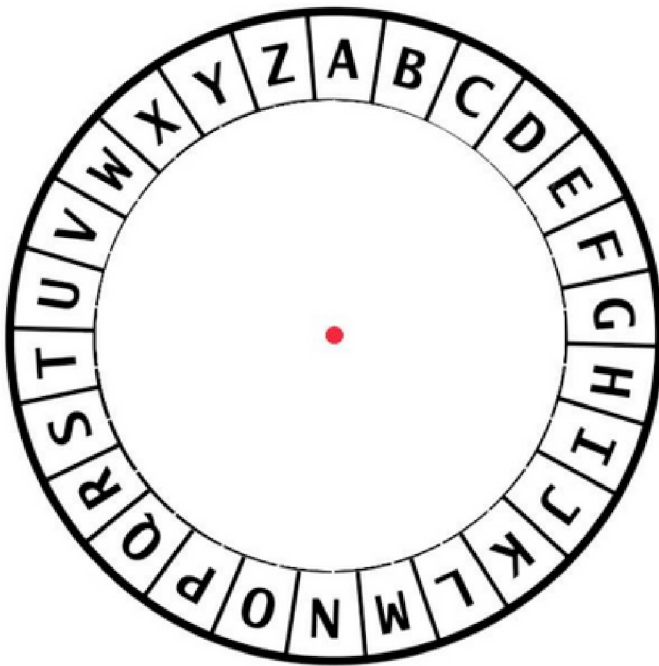The key for this mission is **A=X**. Rotate the inner disk until X lines up with the A on the outer disk. Find each letter in your message on one wheel and look on the other wheel to find the **cipher** letter. To encipher messages do the reverse.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

It is important to have a _ _ _ _ _ alarm.
19 13 15 11 5

Get _ _ _ , _ _ _ _ out, _ _ _ _ 999!
15 21 20   19 20 1 25   3 1 12 12

In your home, make sure you have an _ _ _ _ plan.
5 24 9 20

If you see a _ _ _ _ _ _ _ tell a grown-up.
12 9 7 8 20 5 18

Never _ _ _ _ with _ _ _ _ _ _ _ and _ _ _ _ _ _ _ _ .
16 12 1 25   13 1 20 3 8 5 19   12 9 7 8 20 5 18 19

Crack the code by working out the subtraction calculations. Once you have an answer, look for the matching letter in the table and fill in the blank.

a	b	c	d	e	f	g	h	i	j	k	l	m
21	44	35	64	20	31	88	50	81	7	26	18	34

n	o	p	q	r	s	t	u	v	w	x	y	z
75	22	15	30	10	6	13	45	99	71	53	11	62

___
23 - 2

___ ___ ___ ___ ___
10 - 4   40 - 6   90 - 9   20 -2   25 - 5

___ ___ ___ ___   ___ ___ ___
70 - 6   25 - 3   24 - 4   11 - 5   80 - 5   26 - 4   20 - 7

___ ___ ___ ___
40 - 5   25 - 3   9 - 3   15 - 2

___ ___ ___ ___ ___ ___ ___ ___
30 - 9   80 - 5   15 - 4   20 - 7   100 - 50   90 - 9   100 - 25   90 - 2

Write your own math message
(Don't Forget a Code Name)

PIG PEN

This brilliant code places the alphabet on a series of grids, as shown below. It is almost impossible to decipher unless you know the secret.
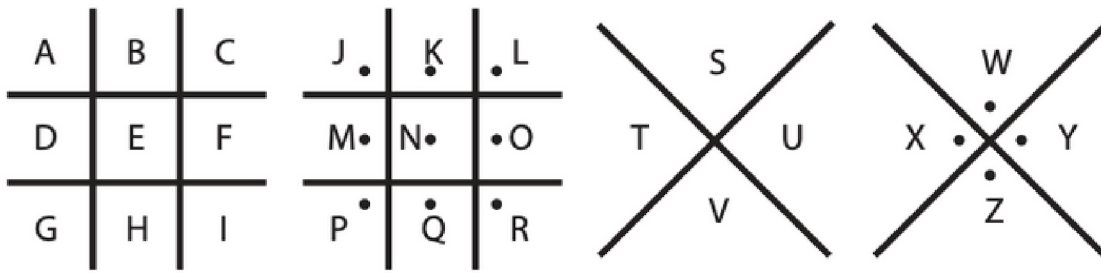
Write your own math message
(Don't Forget a Code Name)

MORSE CODE

Morse Code was designed to be transmitted via the telegraph system. Originally this consisted of clicks sent through a wire that were listened to and translated by a telegraph operator. Later, this was automated so that the clicks made indents on paper tape to be read. The dots represent short clicks, and the dashes are long ones. You could use Morse Code by writing, by tapping, or even by using flashes of a torch.

A ·—	J ·———	S ···	1 ·————
B —···	K —·—	T —	2 ··———
C —·—·	L ·—··	U ··—	3 ···——
D —··	M ——	V ···—	4 ····—
E ·	N —·	W ·——	5 ·····
F ··—·	O ———	X —··—	6 —····
G ——·	P ·——·	Y —·——	7 ——···
H ····	Q ——·—	Z ——··	8 ———··
I ··	R ·—·	0 —————	9 ————·

Write your own math message
(Don't Forget a Code Name)