## Puzzle time



A code is a way of writing a message in secret. The code below is very easy.
Each letter of the alphabet is replaced by a number.
Send your message in numbers and then your friend can use the de-coder to find out what it says.

## THE DE-CODER

| 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 | 0 | P | Q | R | S | T | U | V | W | X | Y | Z |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

So, if I want to write 'hello' I would write 8 for $H, 5$ for $E, 12$ for $L$ and 12 for $L$ again and then 15 for 0 .
My code would be $8 \quad 5 \quad 12 \quad 12 \quad 15$
Now try and work out what this says.


The code:

| 9 |  | 1 | 13 |  | 2 | 18 | 9 | 12 | 12 | 9 | 1 | 14 | 20 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 20 | 13 | 1 | 20 | 8 | 19 |  |  |  |  |  |  |  |



## Puzzle time

## Code breaker

## REMEMBER THE DE-CODER:



| 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 | 0 | P | Q | R | S | T | U | V | W | X | Y | Z |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

If you replace the numbers with letters then you get:

| I |  | A | M |  | B | R | I | L | L | I | A | N | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 |  | 1 | 13 |  | 2 | 18 | 9 | 12 | 12 | 9 | 1 | 14 | 20 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A | T | M | A | T | H | S |  |  |  |  |  |  |  |
| 1 | 20 | 13 | 1 | 20 | 8 | 19 |  |  |  |  |  |  |  |



Of course you are! Pretty obvious eh!
You can make your own code up in the same way - have a go!

