



# Secret Codes, Mystery Messages and Silly Word Problems

Use the examples on this sheet to help you create your own numerical code, write your own coded mystery message and create your own silly word problem. Then trade worksheets with a friend and see if you can figure out each other's creations.

Sample Code

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

Sample Coded Message (based on the sample code above):

$\overline{4}$     $\overline{9}$     $\overline{18}$     $\overline{7}$     $\overline{18}$     $\overline{13}$     $\overline{20}$              $\overline{14}$     $\overline{2}$     $\overline{8}$     $\overline{7}$     $\overline{2}$     $\overline{9}$     $\overline{2}$   
 $\overline{14}$     $\overline{22}$     $\overline{8}$     $\overline{8}$     $\overline{26}$     $\overline{20}$     $\overline{22}$     $\overline{8}$              $\overline{18}$     $\overline{8}$              $\overline{21}$     $\overline{6}$     $\overline{13}$ !

Silly Word Problem (based on the sample code above):

$$\text{ME} + \text{MATH} + \text{QUIZZES} = \text{BRAINBUSTER} \quad (36 + 66 + 66 = 168)$$

Now assign the numbers in a different pattern to make your own code and write your own encoded mystery message:

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

**Extra challenge:** Try using your code to create a silly word problem. (Warning—This is tricky!)