

Name:

period:

The following is a coded message. To crack the code you must find the cipher key. The cipher is a number code which can be found by rearranging the boxes below. The boxes must be arranged three across and four down so that the equations with the same solution touch each other. The code tells you how many letters to move forward in the alphabet. For example if the code was $\begin{smallmatrix} 537 \\ 610 \end{smallmatrix}$ and the message was 'Oex wxpcbk ndxo fl ngin' We would count forward 5 letters for the O to get T. 3 letters forward from e to get h and 7 letter forward from x (starting at a again one we passed z) to get 'e'. The next letter we shift forward by 6 from w to get c. The upper left box is the the one with '*' on either side of it. The boxes may be rotated so the number may not be upright.

This will get you started.

Good luck

Lwoecgzpdzq cr pcb yvrpmxan jat tfcbd orphr pcb jibg jc rbd levqcbwg rlcuampc. - Dndi Mmfjei-dfiqjz

$\frac{24-36 \times (-1)^4}{2^2}$ $2^4 \times 2 \div -2^2$ 4 $\sqrt{100} \div 2$ $ 2^2 - 5 $	$\frac{3+\sqrt{9}}{2}$ $1 - \sqrt{17 + 8^2}$ $4^3 \div 32 $ $6 \div (3)^4 -$ 2	$\sqrt{25} \times (9 - 6)$ 6 $1 - (2 - 3)$ $\sqrt[3]{10 \times 3 - 3 - 5 + 11}$ $(-2)^3 \div 4$
$5^2 - 2^3 \times 3$ 5 $- \sqrt[3]{125}$ $6 - \sqrt{225} + 5 - 8 $ $\sqrt[3]{125} \times 5 - 16$	$\sqrt{36} - -4 \times \frac{1}{4}$ $ - 5 ^2 - - \sqrt[3]{64}$ $2 \times 3 - -3$ 1^* $\sqrt{11 + 5} \times \sqrt[3]{8}$ $\sqrt{49} \times 4 - (2^3 + 6)$	$6^2 \div 2 \div 6$ 3 $-6 - \sqrt{36 + 28}$ $(6 - -2) \times 7 \div - 4 + 1$ $8 + (\sqrt{12 - 3})^2 - 11$

This page contains the solution to the puzzle.

$- \sqrt[3]{125}$ $6 - \sqrt{225} \mid 5 - 8 \mid$ $5^2 - 2^3 \times 3$ $\sqrt[3]{125} \times 5 - 16$	$\sqrt[3]{10 \times 3 - 3 - 5 + 11}$ $(-2)^3 \div 4$ 9 $1 - (2 - 3)$ $\sqrt{25} \times (9 - 6)$
$2^2 - 5$ $\sqrt[4]{2^4 \times 2 \div -2^2}$ $\sqrt[4]{2^2 \times 2 \div (-1)^4}$ $\sqrt{100} \div 2$	$1 - \sqrt{17 + 8^2}$ $4^3 \div 32$ $\frac{3 + \sqrt{9}}{2}$ $\frac{6}{2} \div 2 \div 9$ $\frac{9}{2}$ $\frac{-6 - \sqrt{36 + 28}}{2}$ $(6 - 2) \times 7 \div -4 + 1$ $8 + \sqrt{12 - 3}^2 - 11$
$- 5 ^2 - - \sqrt[3]{64} \times 3 - 2$ $\sqrt[4]{49 \times 4 - (2^3 + 6)}$ $\sqrt[3]{8} \times \sqrt{11 + 5}$ $\sqrt[4]{36} - 4 \times 4 \times \frac{1}{4}$ $- 5 ^2 - - \sqrt[3]{64} \times 3 - 2$	$1 - \sqrt{17 + 8^2}$ $4^3 \div 32$ $\frac{3 + \sqrt{9}}{2}$ $\frac{6}{2} \div 2 \div 9$ $\frac{9}{2}$ $\frac{-6 - \sqrt{36 + 28}}{2}$ $(6 - 2) \times 7 \div -4 + 1$ $8 + \sqrt{12 - 3}^2 - 11$