

Written Test

Sample (13) Answer

In the following table each letter of the alphabet is given a value.

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

The algebraic expression $(4x - 3)$ is used as a **key** to convert the letters **P S R X B O E** into the word **H A R M O N Y**.

What is the key for converting **S R X B** into **G O L D** ?

Answer: The key is $3x+2$.