**Homework Problem 1**

Amy and Olivia have invented a special secret language to keep their secrets away from Tom. They use numerals instead of letters.

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

Olivia wrote a letter to Amy saying: 315135 61518 1 195516 1522518.

What did she write? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework. Problem 2.**

Victor wrote numbers 43,…, 162 in his notebook. How many times did he write digit 4?

**Homework Problem 3.**

Ann uses a calculator to multiply several numbers together. To calculate 4\*5\*7 she pressed six buttons: “4”, “\*”, “5”, “\*”, “7”, and “=”.

1. How many times did she press to calculate multiplication of all numbers from 10 to 19? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many times did she press to calculate multiplication of all numbers from 1 to 110?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_