Mathematical notation

adam kinyua

today

1 Introduction

Typing an equation inside a paragraph is supposed to be like $x+y=z$. It makes everything look amazing. Alternatively, you can also write it like $x + y = z$. This too works the same as the other one. We can also create a space above and below the equation by

$$x + y = z$$

It ensures that the equation stands out by itself. Alternatively, this too

$$x + y = z$$

does as the preceding.

$$x + y = z \tag{1}$$

According to equation 1 above. However, this is considered a separate paragraph If we want our equation referenced to to have a parenthesis then we use (1)

$$x + y = z \tag{2}$$
$$a + b + d = c \tag{3}$$

$$x + y + v = z \tag{4}$$
$$a + b+ = c \tag{5}$$

If we do not want to have a number in an equation:

$$x + y + v = z$$
$$a + b+ = c \tag{6}$$

If we want these equations to have no numbers:

$$x + y + v = z$$
$$a + b+ = c$$

Greek letters
$\alpha\beta\gamma\delta\omega \qquad \Gamma\Delta\Omega\Theta$
Some mathematical symbols
$=\neq \pm \times \div \equiv\approx\sim\cong\leq\geq$
Some math symbols
$\hat{\alpha} \qquad \tilde{\alpha} \qquad \dot{\alpha}$
More
$\infty\aleph \in\subset$

DEALING WITH FRACTIONS

$$\frac{x}{y} \tag{7}$$

$$\left(\frac{x}{y}\right) \tag{8}$$

$$\left(\frac{x}{y}\right)\Big\} thisfunction \tag{9}$$

$$\left\{\left(\frac{x}{y}\right)\right\} \tag{10}$$

$$thisfunction\left\{\left(\frac{x}{y}\right)\right. \tag{11}$$

$$\tag{12}$$