

Source:

1 | Intuition

All of the valid outputs of the function, everything that the function can equal when fed an element of the domain.

2 | In the context of linear algebra (Axler 3.18)

For T a function from V to W , the *range* of T is the subset of W consisting of those vectors that are of the form Tv for some $v \in V$:

$$\text{range } T = \{Tv : v \in V\}$$