

Lesson 4-6 → Absolute Value Word Problems

You are testing a drone delivery system
You want the drone to deliver
the package exactly 20 feet

Here is the data

feet x	16	19	22	23
Wanting 20, we could say errors as	-4	-1	+2	+3

What's the problem with the above?

The average is 0 meaning the
poor performance is hidden.

Solution: $\text{Error} = |\text{actual} - \text{predicted}|$

Here is The data

feet x	16	19	22	23
error $f(x)$	4	1	2	3

$$f(x) = |x - 20|$$

average: 2.5

