

[12-01-30B-T]

Proportion

Today I would like for us to discuss the following two examples.

EXAMPLE 1. Consider the area of a rectangle whose width is fixed at 3 meters, but whose length is allowed to vary from 1m to 5m.

EXAMPLE 2. Consider the width of a rectangle whose area is fixed at 30 square meters, but whose length is allowed to vary from 1m to 5m.

In our discussion, let's agree to denote area by the letter A , width by the letter y , and length by the letter x .