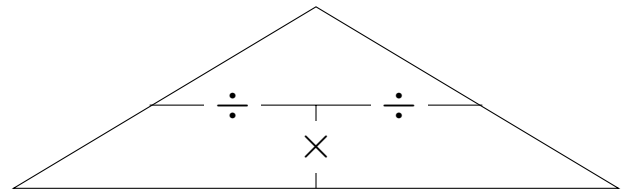
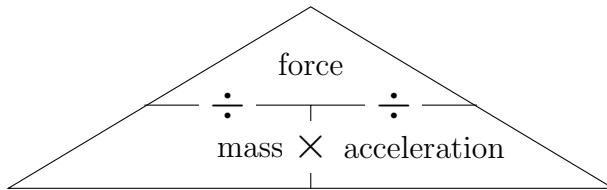


1. Here are two proportional formula triangles



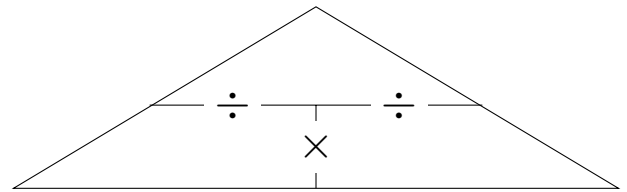
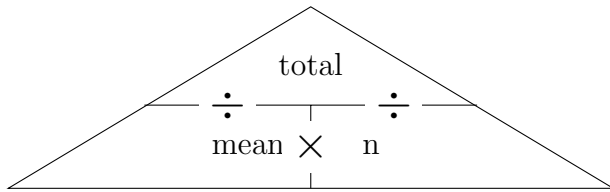
Calculate the mass of a rocket when

$$\text{acceleration} = 1.7 \text{ m/s}^2$$

$$\text{force} = 29\,750 \text{ N}$$

..... kg

2. Here are two proportional formula triangles



Calculate the total time it takes 34 people to solve a puzzle

mean = 4.8 seconds

n, the number of people = 34

..... seconds

Answers

1. 17 500

2. 163.2