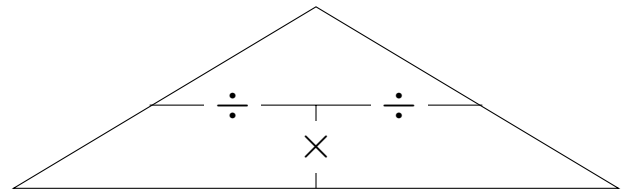
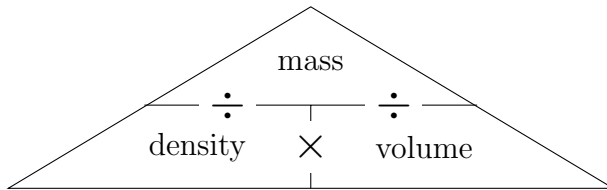


1. Here are two proportional formula triangles



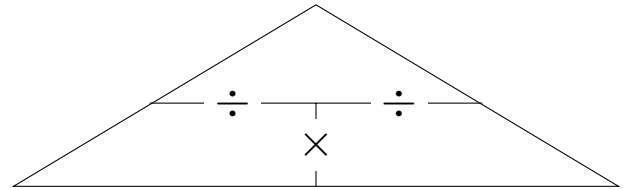
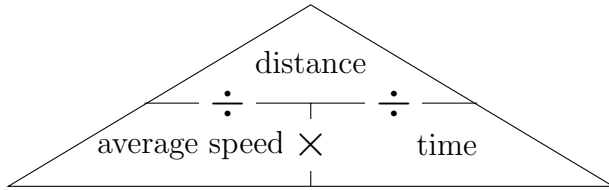
Calculate the density of a block of steel when

$$\text{mass} = 810 \text{ grams}$$

$$\text{volume} = 100 \text{ cm}^3$$

..... g/cm<sup>3</sup>

2. Here are two proportional formula triangles



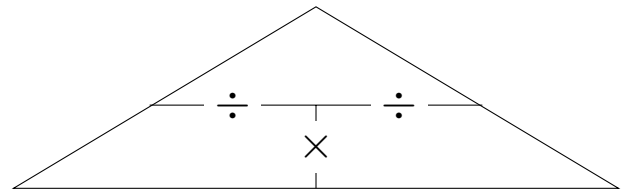
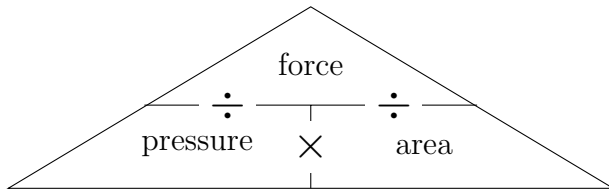
Calculate the distance travelled when

average speed = 20 m/s

time = 30 seconds

..... m

3. Here are two proportional formula triangles



Calculate the area of a wind break when

force = 30 N

pressure = 15 N/m<sup>2</sup>

..... m<sup>2</sup>

## Answers

1. 8.1
2. 600
3. 2