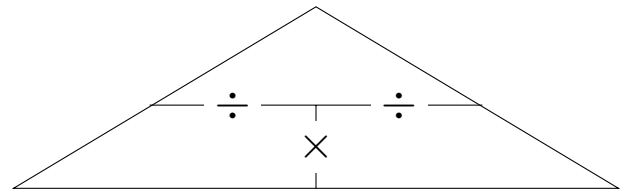
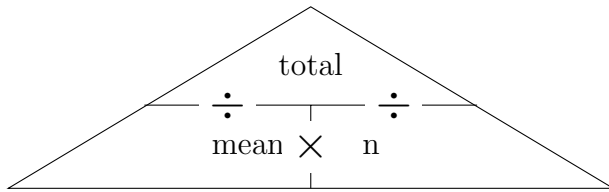


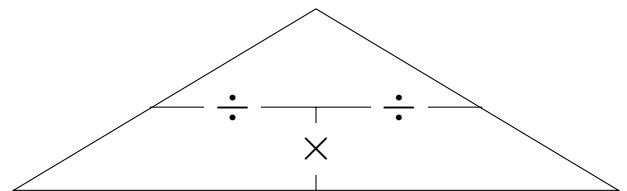
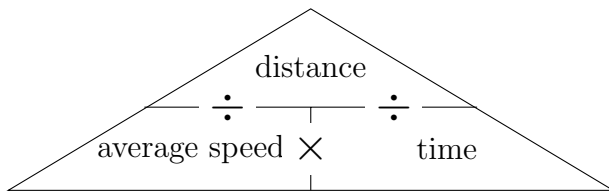
1. Here are two proportional formula triangles



Calculate the mean mass of the apples in a bag when
 n, the number of apples = 10
 total mass of the apples = 1830 grams

..... grams

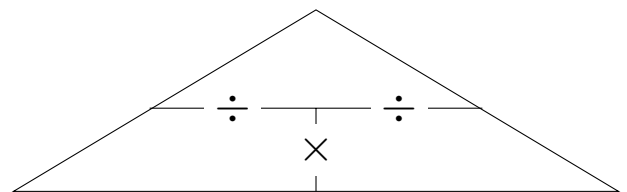
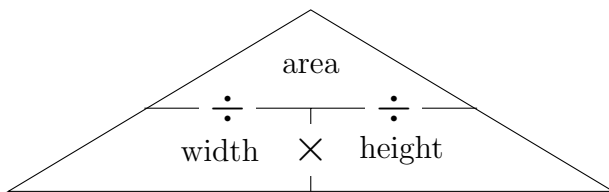
2. Here are two proportional formula triangles



Calculate the average speed of a cyclist when
 distance = 100 miles
 time = 5 hours

..... mph

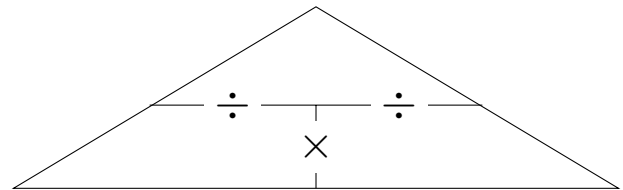
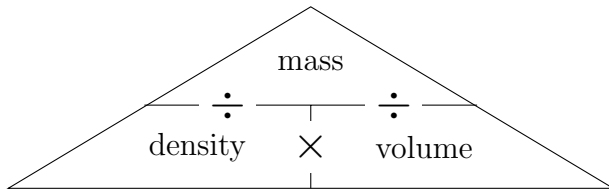
3. Here are two proportional formula triangles



Calculate the height of a rectangular bookmark when
 area = 100 cm²
 width = 5 cm

..... cm

4. Here are two proportional formula triangles



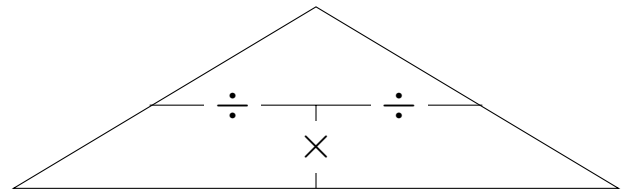
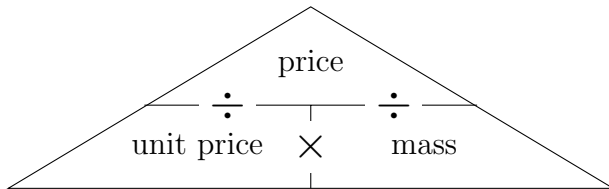
Calculate the density of a concrete block when

mass = 1400 grams

volume = 1000 cm³

..... g/cm³

5. Here are two proportional formula triangles



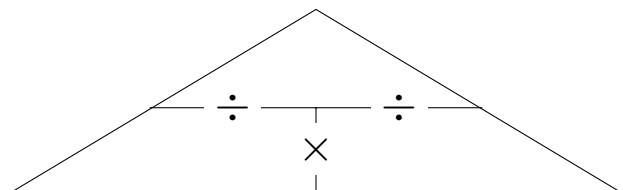
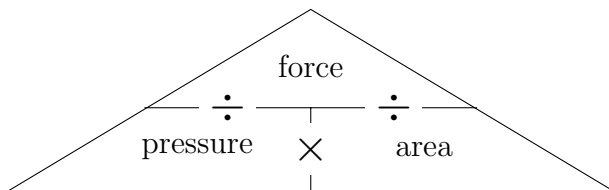
Calculate the unit price of wholemeal flour when

price for a bag = £8.40

mass of the flour in the bag = 10 kg

£.....per kg

6. Here are two proportional formula triangles



Calculate the area of an advertising board when

force of wind in a light breeze = 3000 N

pressure = 100 N/m²

..... m²