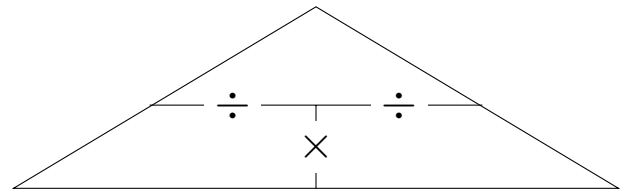
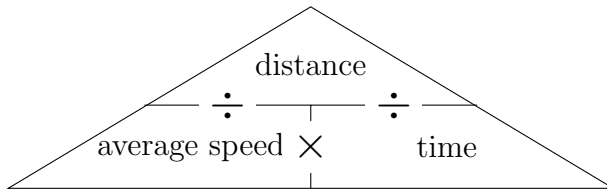


1. Here are two proportional formula triangles



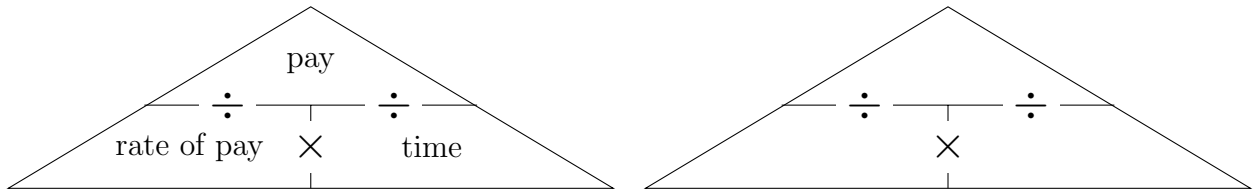
Calculate the time a car takes for a journey where

distance = 150 miles

average speed = 50 mph

..... hours

2. Here are two proportional formula triangles



Calculate the M.P. Marco Longhi's rate of pay for his extra job

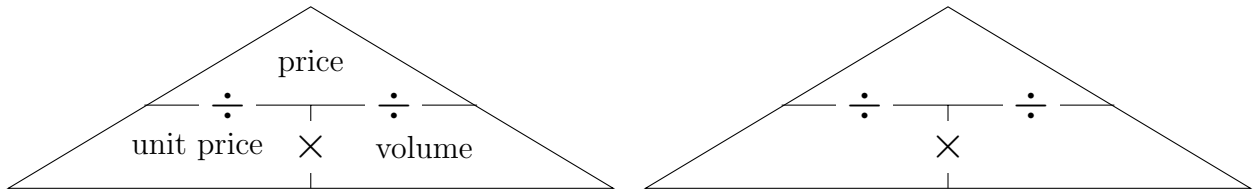
$$\text{pay} = \text{£}8000$$

$$\text{time} = 200 \text{ hours}$$

source: <https://publications.parliament.uk/pa/cm/cmregmem/210920/210920.pdf>

£ . . . . . per hour

3. Here are two proportional formula triangles



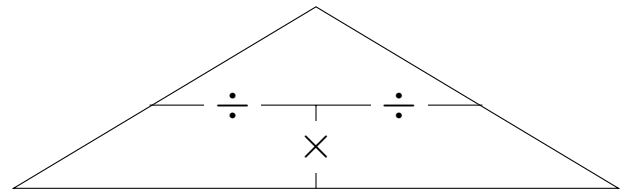
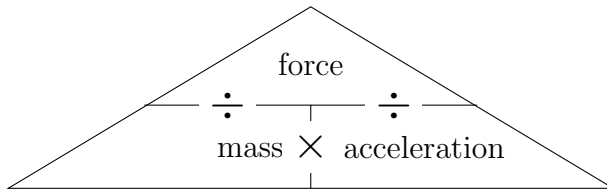
Calculate the volume of olive oil in a bottle when

price = £5

unit price = £10 per litre

..... litre

4. Here are two proportional formula triangles



Calculate the acceleration of a horse when

$$\text{force} = 250 \text{ N}$$

$$\text{mass} = 500 \text{ kg}$$

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

## Answers

1. 3 hours
2. £40 per hour
3. 0.5 litre
4.  $0.5 \text{ m/s}^2$