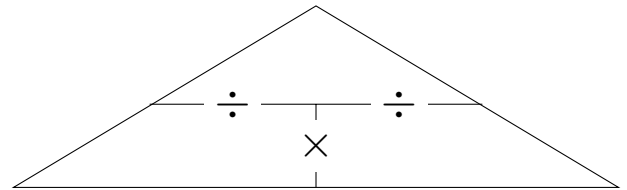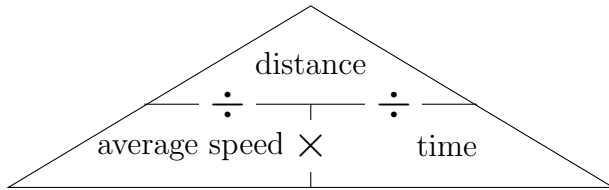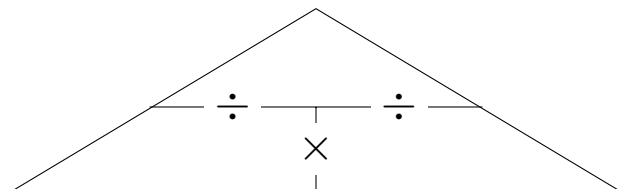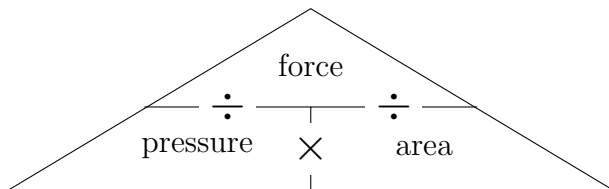1. Here are two proportional formula triangles

Calculate the average speed when

    distance = 168 miles

    time = 4 hours
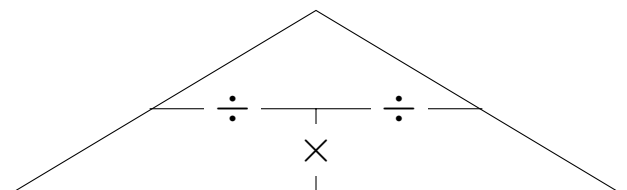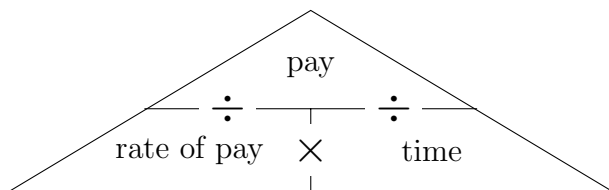
. . . . mph

2. Here are two proportional formula triangles

Calculate the force of a breeze on a fence panel when

    area = 2 m^2

    pressure = 3 N/m^2

. . . . N

3. Here are two proportional formula triangles

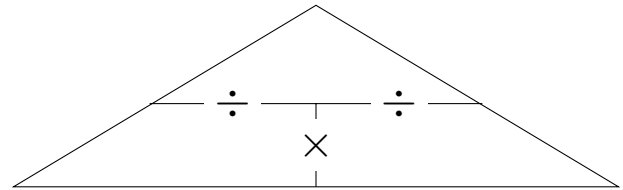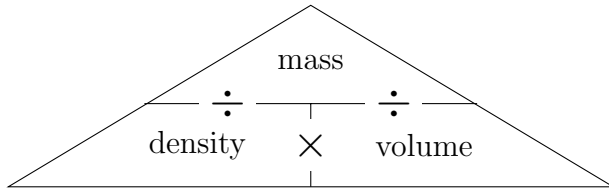Calculate how much Kenneth Clark was paid for speaking.

    rate of pay = £1625 per hour

    time worked = 4 hours

source: https://publications.parliament.uk/pa/cm/cmregmem/190204/190204.pdf

£ . . . .

Turn over for more questions and answers

4. Here are two proportional formula triangles

Calculate the volume of a log of larch when {larch is a type of wood}

    mass = 1000 kg

    density = 500 kg/m^3

. . . . m^3

5. Here are two proportional formula triangles
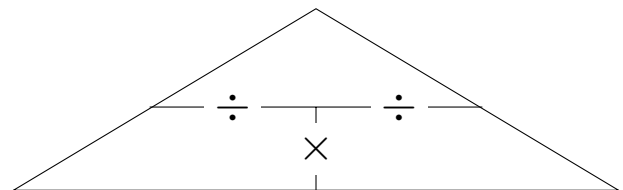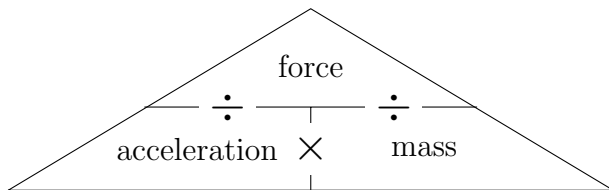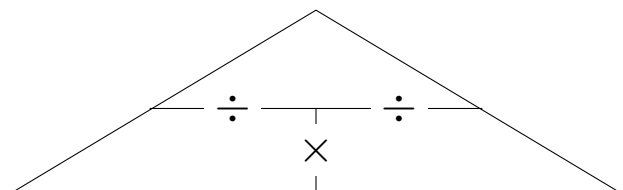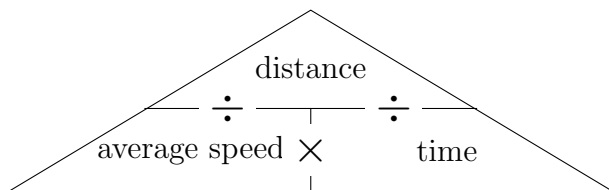

Calculate the acceleration of a Husky pulling a sledge when

    mass = 20 kg

    force = 60 N

. . . . m/s^2

6. Here are two proportional formula triangles

Calculate the time Teo takes to run when

    distance = 4000 metres

    speed = 2 m/s

. . . . seconds

Answers (1) 42   (2) 6   (3) 6500   (4) 2   (5) 3   (6) 2000