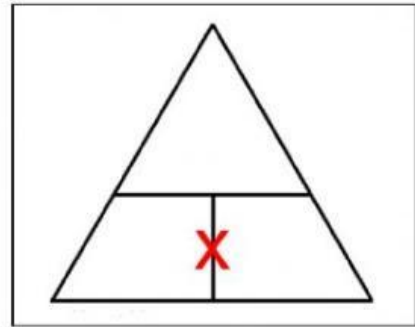


Work done questions

1. Put this formula into the formula triangle

$$\text{work done (J)} = \text{force (N)} \times \text{distance (m)}$$



2. Arsene Wenger pushes a box with a force of 60N over a distance of 10m.
Calculate the work done. Include the units.
3. Philip Schofield bench presses 200N over a distance of 0.5m.
Calculate the work done by his muscles.
4. Kim Kardashian weight lifts 150N. Her muscles use 100J of energy.
Calculate the distance she moves the weight.
5. Olly Murs pushes a car uphill. He pushes with a force of 2.5kN over a distance of 2.5m. **Calculate the work done by his muscles.**
6. Beyonce bench presses 1.5kN using 3000J of energy.
Calculate the distance moved by the weights.

HINT: 1kN = 1000 N

