The weights of some rugby players are recorded in the table.

Find the median by using linear interpolation.

Two players are chosen at random. Calculate the probability that both players are over 68kg

\[ \sqrt{45} + x\sqrt{20} = 7\sqrt{5} \]

Find x

Here is a velocity-time graph of a particle for 24 seconds

Calculate an estimate of the acceleration at 8 seconds

Calculate an estimate of the acceleration at 16 seconds