

**26th August**

Corbettmaths

Weight (kg)	Frequency
$60 < x \leq 64$	10
$64 < x \leq 68$	20
$68 < x \leq 72$	30
$72 < x \leq 76$	15
$76 < x \leq 80$	18
$80 < x \leq 84$	7

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

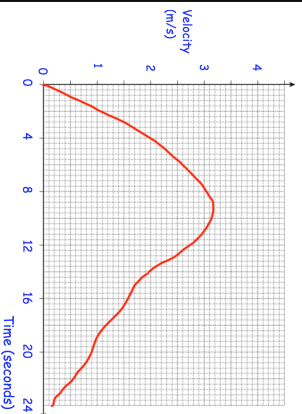
Find the median by using linear interpolation.

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

Calculate an estimate of the acceleration at 8 seconds



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

Calculate an estimate of the acceleration at 16 seconds

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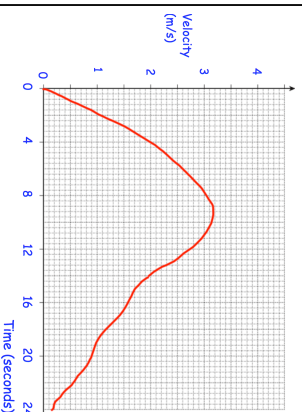
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