

Histograms

In histograms the frequency is given by the bar's area not its height

Here is a partially completed histogram.
Complete the table and draw remaining bars.

time	frequency	f.d
$0 \leq t < 5$	8	$8 \div 5 = 1.6$
$5 \leq t < 10$	$5 \times 1 = 5$	
$10 \leq t < 15$	$5 \times 1.2 = 6$	
$15 \leq t < 25$	5	$5 \div 10 = 0.5$

To find the frequency we multiply the width by the height (frequency is area)

To find the frequency density we divide the frequency by the width of the bar

