Averages from a table

## Tao works in a garden shop.

 The table shows information on the sizes of the 8gnomes the last 20 customers bought.

| Size | Size of Garden <br> Gnomes $(\mathrm{h} \mathrm{cm})$ | Frequency |
| :---: | :---: | :---: |
| S | $0<h \leq 5$ | 4 |
| M | $5<h \leq 10$ | 8 |
| L | $10<h \leq 15$ | 6 |
| XL | $15<h \leq 20$ | 2 |

Averages from a table

| PE Lesson <br> 100m Sprint <br> Times (t seconds) | Frequency |
| :---: | :---: |
| $0<t \leq 9$ | 5 |
| $9<t \leq 15$ | 9 |
| $15<t \leq 25$ | 8 |
| $25<t \leq 35$ | 3 |

a) Estimate the mean.
a) Estimate the median time.

Jacob asks his class what their shoe sizes are and notes them down in a table.
b) Tao is placing an order. b) Estimate the He is going to order $\frac{1}{4}$ of the mean time. gnomes in each size. Is this correct?

| Shoe Size | Frequency |
| :---: | :---: |
| 4 | 4 |
| 5 | 11 |
| 6 | 12 |
| 7 | 3 |

Compare the average goals scored of the two football teams. Which team is statistically the better football team?

| Goals <br> Scored | Hearts Headways <br> Frequency | Hibee Hurdlers <br> Frequency |
| :---: | :---: | :---: |
| 0 | 12 | 6 |
| 1 | 15 | 13 |
| 2 | 8 | 14 |
| 3 | 4 | 6 |

Two running clubs are competing against each other in the great north run. The team with the fastest average wins. Compare the averages to decide the winning team.
in the bar chart. Teesside flyers times:
3 hours 12 mins , 2 hours 52 mins, 3 hours 36 mins

## Glasgow Getaways:



Probability
Probability
There are black, grey and white balls in a bag. On the probability scale mark with an arrow the probability of selecting a:
a) Black ball
b) Grey ball
c) Purple ball
a) Calculate the median shoe size.
b) Calculate the mean shoe size.

There are 16 girls and 12 boys in a maths class.
$\frac{3}{4}$ of the girls and $\frac{2}{3}$ of the boys arrive on time to lesson. The teacher selects a child at random from those who arrive late to hand out the books.
Calculate the probability that child is a girl.

