M1.(a) Bar of height 4 labelled Coffee or C

and

Bar of height 5 labelled Juice or J (in either order but with a gap of 1 square between all bars)

B1 for one of the bars labelled and correct

or

B1 for diagram fully correct but missing or incorrect label(s)

or

B1 for diagram fully correct but no gaps or incorrect gaps

B2

(b) 7 (boys)

B1

their 7 − 4

Subtraction may be implied by correct ft answer of their 7 − 4

M1

3

ft B0M1 but must be integer answer for A1

A1ft

[5]

M2.(a) 8

B1

(b) 6 (−) 4 or 4 ÷ 2

1 $\frac{1}{2}$ *– 1(symbols) or* $\frac{1}{2}$ *symbol chosen*

M1

2

A1

(c) Football

B1

[4]

M3. No and $2 \times 60 \neq 80$ oe

B1 60 and 80 seen

or

or 60 × 2 (= 120) or 80 ÷ 2 (= 40)

No, as the bar sizes cannot be compared since the vertical axis is broken *oe*

or vertical scale is broken

or '20 more' oe

B2

[2]

M4. (a) 3 000 000 ÷ 2 *oe*

M1

1 500 000

SC1 digits 15

A1

(b) 800 000 + their 1 500 000 (= 2 300 000)

Ignore any working for Dan

M1

3 000 000 ÷ 3 + 1 450 000 (= 2 450 000) *oe*

M1

Sally **and** 2 450 000 **and** 2 300 000

Accept 245 if clearly compared with 230
Only ft their part (a)

A1ft

[5]

M5.(a) qualitative and primary

B1

(b) pie chart and bar chart

B1

[2]

M6. Continuous **and** sample **and** primary (and none incorrect)
B1 any two correct and up to one incorrect

B2

[2]

M7.(a) 12

B1

(b) 67 + 65 + 59 + 65 + 70 + 66 + 62 + 58 + 63 + 65 (= 640)
allow one error or omission

M1

their total ÷ 10
67 + 65 + 59 + 65 + 70 + 66 + 62 + 58 + 63 + 65 ÷ 10

M1

64
SC2 581.5 for incorrect use of brackets

A1

(c) Seema ticked **and**

a correct comparative reference to the average or total in context

eg Seema is faster on average than Jack

For B2 condone failure to select a box if the candidate's choice is clear.

*B1 ft for the correct choice of Seema or Jack **and** any other correct and relevant comparative statement.*

B2 ft

or

a correct comparative interpretation of range as a measure of consistency.

eg Seema is more consistent

eg 'Seema has a higher mean'

'Seema has a lower range'

'Her test was done better'

[6]

M8. (a) Attempts to calculate fx

(at least one attempt)

or 424 seen

8 × 10 (= 80)

10 × 18 (= 180)

12 × 7 (= 84)

15 × 4 (= 60)

20 × 1 (= 20)

M1

their 424 ÷ their 40

10.6

M1 dep

10.60

Strand (i)

Correct notation required

Do not accept 10.6

SC2 404.5

Q1

(b) Mode = 10 as it is the value occurring most often

oe

B1

Median is the 20th (or 20.5th) unless contradicts with conclusion

oe

SC1 both definitions only without 'Yes' or '£10'

B1

(c) One similarity

eg same range, same mode, same values for data, same frequency for

£15

oe

B1

One difference

Different mean, different median, Shelley 50 visits/fees, Paul 40

oe

Calculations/working not required

B1

[7]