

- M1.** (a) Same as the LQ (and/or UQ)  
oe **B1**
- (b) Same as the LQ (and/or UQ)  
oe or same as median **B1**
- (c) Nothing  
oe **B1**
- [3]**

**M2.(a)** 80 **B1**

(b) 20  
ft their (a) 90 in (a) → 21 or 22 **B1ft**

35  
ft their (a) 90 in (a) → 36 or 37  
SC1 for reversed answers eg 35, 20 **B1ft**

(c) 25 – 15  
90 in (a) → 29 or 30 – 16 or 17 **M1**

10

ft their (a) 90 in (a)  $\rightarrow$  [12, 14]

A1 ft

(d) Test A and valid reason

*Accept*

*Lower median for test A*

*Lower on average for test A*

*Marks are generally lower for test A*

*Lower and upper quartiles are less for test A*

*More people got higher marks for test B*

*Do not accept*

*Marks are lower for test A*

*Lower quartiles are lower for test A*

*Top mark less for test A*

*Comparing IQR or range only*

*Top mark is (only) 40 for test A*

B1

[6]

**M3.(a)** 15 or 5 in correct position in table

B1

Either bar correct area in histogram (40 – 60 bar 3 large squares high or 75 – 95 bar 5 large squares high)

M1

Table correct, histogram correct **and** vertical scale or key shown

*1 large square = 2.5 people oe*

*or 10 small squares = 1 person oe*

*or scale of 0.5 per cm*

*or scale of 1 per 2 cm*

A1

(b)  $\frac{3}{4} \times 120$  or 90 seen

$$\frac{1}{4} \times 120 \text{ or } 30$$

M1

85

A1

**[5]****M4.**

- (a)  $0.25 \times 20 (=5)$   
Or It represents 25% (or  $\frac{1}{4}$ ) of the meetings / distribution

oe

*Comment referring to 25% or  $1/4$* 

B1

- (b)  $15 \times 3$

M1

$$5 + 45 (= 50)$$

A1

- (c)  $5 \times 1.6$  or  $10 \times 2.4$  or  $5 \times 3.2$   
 *$0.25 \times 1.6$  or  $0.5 \times 2.4$  or  $0.25 \times 3.2$*

M1

$$8 + 24 + 16$$

 *$0.4 + 1.2 + 0.8$  at least 2 correct*

M1

48 and B

*2.4 and 2.5 and B*

A1

**[6]**