

Solutions

Marking: **M1** a correct method, **A1** the correct answer.

Each answer shows the steps, then the **result**.

2.1

- ordered: 2, 4, 5, 7, 7
- median **5**; range $7 - 2 = \mathbf{5}$

2.2

- mode **5**

2.3

$$\frac{6 + 8 + 10 + 12}{4} = \frac{36}{4} = \mathbf{9}$$

3.1

$$\frac{1(4) + 2(5) + 3(1)}{4 + 5 + 1} = \frac{17}{10} = \mathbf{1.7}$$

3.2

(a)

- middle pair 9 and 10

$$\frac{9 + 10}{2} = \mathbf{9.5}$$

(b)

- $LQ = \frac{6 + 7}{2} = 6.5$
- $UQ = \frac{12 + 13}{2} = 12.5$
- $IQR = 12.5 - 6.5 = \mathbf{6}$