



## ANSWERS

**1**

- a** Mode weight: 82 kg
- b** Range:  $95 \text{ kg} - 82 \text{ kg} = 13 \text{ kg}$
- c** Mean:  $432 \div 5 = 86.4 \text{ kg}$
- d** Median weight: the values in order are 82, 82, 85, 88, 95  
With five values in the data set, the median is the third value, i.e. 85 kg

**2**

- a** Range:  $22 - 12 = 10 \text{ m/s}$
- b** Mode: 17 m/s
- c** Median weight: the values in order are 12, 13, 14, 15, 17, 17, 18, 20, 21, 22  
With 10 values in the data set, the median is between the fifth and sixth value, ie 17 m/s
- d** Mean:  $169 \div 10 = 16.9 \text{ m/s}$

**3**

- a** Modal weather condition is calm.
- b** The crew will have to work hard to harness as much wind as possible!  
But the conditions will be safe.