

Data: Averages and Range 1

| Name | Class | | ••••• | Date . | | | | |
|---|--|--------------------------------------|---------------|--------------------------------|---------------------------------|----------------------|--|--|
| INEOS TEAM UK is the British Challenger fo sporting competition in the world. There are back at the team's base working hard to hel advanced and innovative foiling boat to win The team use lots of different data to get the them the best chance of winning. Have a g | only eleven crew on the price of the price of the price of the price of the best out of the price of the pric | on the IK desi up. e boat a | boat, bgn the | ut a hui most te w in or | ndred ex echnica der to g | operts Ily ive | | |
| Look at the table below, which tells you | u the weight of so Weight | ome of | the sai | lors in t | the crev | v. | | |
| Ben Ainslie | 82 kg | | | | | | | |
| Giles Scott | 82 kg | | | | | | | |
| Freddie Carr | 95 kg | | | | | | | |
| Graeme Spence | 85 kg | | | | | | | |
| Nick Hutton | 88 kg | 88 kg | | | | | | |
| a Which weight is the mode? b What is the range of the sailors' weights' c What is the mean weight of the crew? We | | teps be | elow to | help yo | ou. | | | |
| Total weight of crew : | values = | | Mea | an weig | ht of cr | ew | | |
| b What is the median weight? Work throug | h the steps belov | w to he | lp you. | | | | | |
| Put the values in order. Circle the middle value – that's the media | an! | | | | | | | |

1851

FIND OUT MORE



Here is a list of the top boat speeds recorded each day over 10 days, in metres per second (m/s).

| | | | | | : | | | • | : |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 20 | 15 | 14 | 17 | 12 | 22 | 13 | 17 | 18 | 21 |
| m/s |
| | | | | | : | | | | |

| a | What is the range? | |
|---|----------------------|--|
| • | Titlat to the range. | |

- b Which speed is the mode?
- C What is the median top speed?
- d What is the mean?



Walter Zwieflhofer - Chief Meteorologist

Not only does he love weather but Walter also skippered two trans-atlantic crossings!

Walter, INEOS TEAM UK's Meteorologist, wants to know the most common weather during the America's Cup, so he has gathered details of the conditions off Auckland in the first four days of March for the past three years.

March 2016

| Date | Weather |
|------|---------|
| 1st | rainy |
| 2nd | calm |
| 3rd | calm |
| 4th | windy |

March 2017

| Date | Weather |
|------|---------|
| 1st | calm |
| 2nd | rainy |
| 3rd | calm |
| 4th | windy |

March 2018

| Date | Weather |
|------|---------|
| 1st | windy |
| 2nd | calm |
| 3rd | rainy |
| 4th | calm |

- What is the modal weather condition in the first four days of June?
- b How do you think this will help the crew perform?