

BWEH6KHW

Finding the mean

Lengths completed in the swimming lesson

10	15	20	25	30	35	40
10	15	20	25	30	35	40

10 15 20 25 30 35 40
10 15 20 25 30 35 40

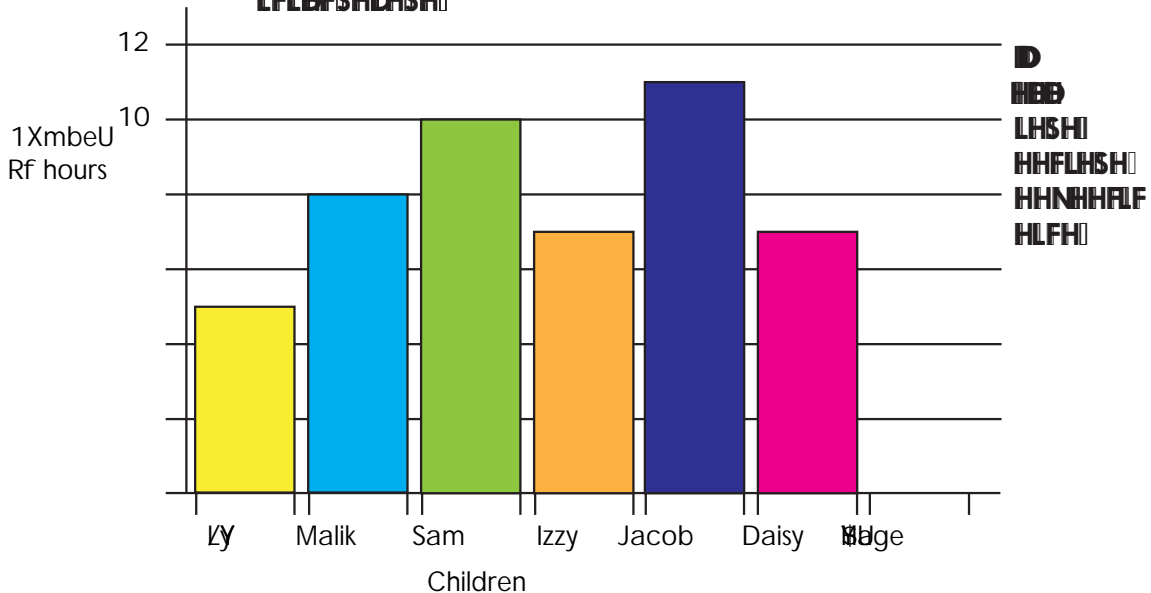
Number of words correctly spelt in the sponsored spell

10	15	20	25	30	35	40
10	15	20	25	30	35	40

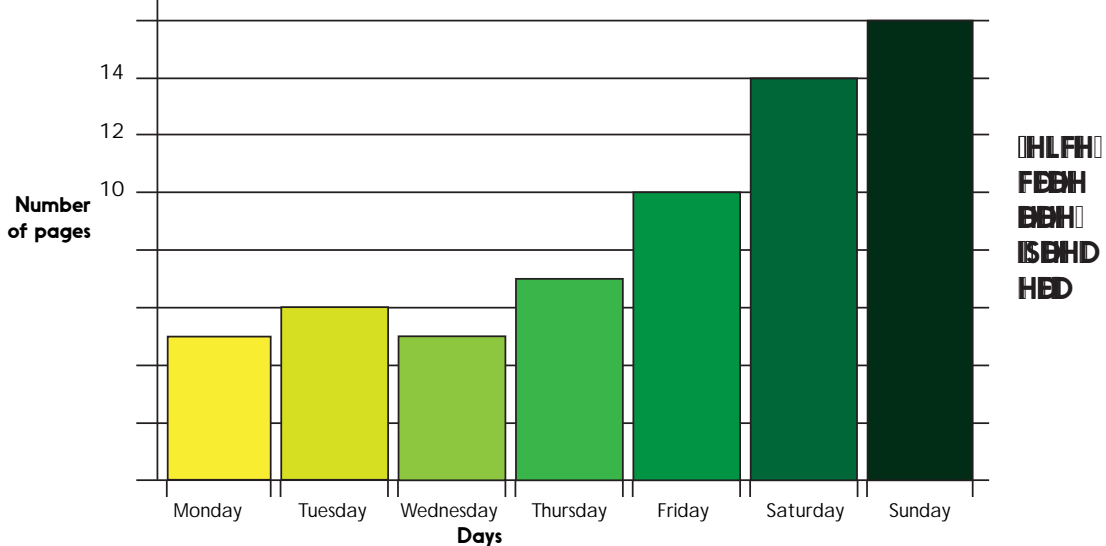
10 15 20 25 30 35 40
10 15 20 25 30 35 40
10 15 20 25 30 35 40

Hours spent per week on electronic devices

10 15 20 25 30 35 40



10 15 20 25 30 35 40



Practice Sheet for All (continued)

Finding the mean

Challenge

Hot: Tackle this Challenge!

1. Write four numbers to make these five numbers have an average of 6.

7

2. Write ten numbers with a mean of 4.5.

Practice Sheet Answer

Finding the mean

1. Average number of lengths swam = 12.5
2. Average number of words spelt correctly = 15.8
3. Average time spent on electronic devices = 8 hours
4. Average number of pages Izzy read each day = 9

Challenge

1. Any four numbers with a total of 23 so that the total will be 30, to give a mean score of 6 (30 ÷ 5).
2. Any 10 numbers with a total of 45.

A Bit Stuck? Change the dice

This dice has numbers 1 to 6 on its faces.

If each number was rolled once, the average (mean) would be 3.5.

$$1 + 2 + 3 + 4 + 5 + 6 = 21 \qquad 21 \div 6 = 3.5$$

If we change 6 to a 12, this would increase the average (mean):

$$1 + 2 + 3 + 4 + 5 + 12 = 27 \qquad 27 \div 6 = 4.5$$

Calculate the average if we instead we change the 1 to a 7.

$$7 + 2 + 3 + 4 + 5 + 6 = \square \qquad \square \div 6 = \underline{\hspace{2cm}}$$

Now, find another way to increase the average to 4.5.

These six dice are rolled, with the results: 3, 2, 4, 5, 6, 4.

Calculate the average score.



The next six dice produce these scores:



And the last six dice produce these scores:



Find the
average score
in each case.

