

## Maths Problem Solving 1

Watch the video file for instructions and some questions to work through together:

<https://vimeo.com/428958871> Password North America

Then please complete Power Maths C pages 45-47. If you get stuck, please ask for help!

The answers are on the next page. You can use them to help you if you are stuck and to mark your own work.

## Lesson 1: Problem solving – place value

→ pages 45–47

1. a) Max's score < Jamilla's score  
b) Richard's score < Emma's score  
c) Richard's score < Emma's score < Max's score < Jamilla's score
2. Rounds down to the nearest 10,000; Rounds up to the nearest 100
3. 6,937, 6,973, 7,369, 7,639, 7,693, 7,963
4. The y-axis intervals should be labelled in 200s (for every marker) or 400s (for the bold markers).

Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sales in £	1,800	2,800	2,600	1,400	3,000	3,800

5. Children should refer to numbers that round up for City X and numbers that round down for City Y; For example: the smallest possible population of City X is 482,500 and the largest possible population of City Y is 484,999 so City Y could be larger than City X.

### Reflect

Answers will vary.

Check that the left circle number has fewer than 5 hundreds (for example, 3,498); the middle number is greater than 50,000 and has fewer than 5 hundreds (for example, 50,368); the right circle number is greater than 50,000 and has 5 or more hundreds (for example, 50,500).

123,412 is greater than 50,000 and it rounds down to 123,000 (to the nearest 1,000).