

## 7JBE End of year revision checklist – Pi 1 textbook

You will have two end of year tests in Maths – 1 calculator and 1 non-calculator. Each test will be 50 min, and those entitled to extra time will get another 25% (12.5 mins)

This is a list of the topics you will be tested on.

Remember, for Maths you must do questions and test yourself. Reading notes is not enough.

|  | Grade yourself<br>before starting?<br>1 – 5 | Questions<br>done        | Confidence<br>after revision<br>1 - 5 |
|--|---|--------------------------|---------------------------------------|
| Unit 1 – Analysing and displaying data           | ☹ ☺   |                          | ☹ ☺                                   |
| 1.1 Tables and pictograms                        | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 1.2 Bar charts                                   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 1.3 Grouped data                                 | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 1.4 Mode and modal class                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 1.5 Range and median                             | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 1.6 Mean   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| Unit 2 – Calculating                             |   |                          |                                       |
| 2.1 Adding                                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.2 Subtracting                                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.3 Multiplying                                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.4 Dividing                                     | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.5 Multiplying and dividing by 10, 100 and 1000 | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.6 Using the four operations                    | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 2.7 Positive and negative numbers                | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |

Name: \_\_\_\_\_

- Doing check-ups at the end of each unit can help you identify areas you need to work, if you are unsure.
- Questions from each section, unit tests and questions from 'strengthen' and 'extend' at the end of each chapter can help you.
- You may find the following websites useful also:  
[www.mymaths.co.uk](http://www.mymaths.co.uk), [www.khanacademy.org](http://www.khanacademy.org), [www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)  
[mathswatch.co.uk/vle](http://mathswatch.co.uk/vle)

|  | Grade yourself<br>before starting?<br>1 – 5 | Questions<br>done        | Confidence<br>after revision<br>1 – 5 |
|--|---|--------------------------|---------------------------------------|
| Unit 3 – Expressions, functions and formulae | ☹ ☺   |                          | ☹ ☺                                   |
| 3.1 Using functions                          | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 3.2 Function machines                        | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 3.3 Simplifying expressions                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 3.4 Writing expressions                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 3.5 Using formulae                           | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 3.6 Writing formulae                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| Unit 4 – Graphs                              |   |                          |                                       |
| 4.1 Real-life graphs                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 4.2 Coordinates                              | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 4.3 Graphs of functions                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |
| 4.4 Scientific graphs                        | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |

|                                       | Grade yourself<br>before starting?<br>1 – 5 | Questions<br>done        | Confidence<br>after revision<br>1 – 5 |  | Grade yourself<br>before starting?<br>1 – 5 | Questions<br>done        | Confidence<br>after revisio<br>1 – 5 |
|---------------------------------------|---|--------------------------|---------------------------------------|--|---|--------------------------|--------------------------------------|
| Unit 5 – Factors and multiples        | ☹ ☺   |                          | ☹ ☺                                   | Unit 7 – Angles and lines                    | ☹ ☺   |                          | ☹ ☺                                  |
| 5.1 Number rules and relationships    | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 7.1 Right angles and lines                   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 5.2 Multiples                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 7.2 Measuring angles 1                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 5.3, 4 Multiplication and division    | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 7.3 Measuring angles 2                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 5.5 Solving problems                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 7.4 Drawing and estimating angles            | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 5.6 Factors and primes                | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 7.5 Putting angles together                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 5.7 Common factors and multiples      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |  |   |                          |                                      |
|                                       |   |                          |                                       | Unit 8 – Measuring and shapes                |   |                          |                                      |
| Unit 6 – Decimals and measures        |   |                          |                                       | 8.1 Shapes                                   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.1 Estimates and measures            | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 8.2 Symmetry in shapes                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.2 Decimal numbers                   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 8.3 More symmetry                            | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.3 Metric units                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 8.4 Regular polygons                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.4 Adding and subtracting decimals   | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 8.5 Perimeter                                | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.5 Rounding                          | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 8.6 Area                                     | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 6.6 Multiplying and dividing decimals | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              |  |   |                          |                                      |
| 6.7 Calculating with money            | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | Unit 9 – Fractions, decimals and percentages |   |                          |                                      |
|                                       |   |                          |                                       | 9.1 Comparing fractions                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| Unit 10 – Transformations             |   |                          |                                       | 9.2 Equivalent fractions                     | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 10.1 Reflection                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 9.3 Calculating with fractions               | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 10.2 Translation                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 9.4 Adding and subtracting fractions         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 10.3 Rotation                         | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 9.5 Introducing percentages                  | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |
| 10.4 Congruency                       | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>              | 9.6 Finding percentages                      | <input type="checkbox"/>                    | <input type="checkbox"/> | <input type="checkbox"/>             |