

## Baseline Test 6 Statistics - Tables

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### How difficult are the questions?

The number in each cell is the percentage of the group that got this question wrong.

Question number indicates a difficult question, Year 6 number an easy question. Year 10

| Question | Year 6 |       |     | Year 7 |       |     | Year 8 |       |     | Year 9 |       |     | Year 10 |       |     |
|----------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|---------|-------|-----|
| ion      | Boys   | Girls | All | Boys    | Girls | All |
| 1        |        |       |     | 18     | 15    | 17  | 15     | 13    | 14  | 15     | 13    | 14  | 11      | 9     | 10  |
| 2        |        |       |     | 74     | 74    | 74  | 72     | 70    | 71  | 74     | 69    | 72  | 72      | 68    | 70  |
| 3        |        |       |     | 8      | 9     | 9   | 9      | 6     | 8   | 9      | 6     | 8   | 8       | 6     | 7   |
| 4        |        |       |     | 27     | 27    | 27  | 23     | 19    | 21  | 24     | 19    | 22  | 19      | 14    | 17  |
| 5        |        |       |     | 39     | 35    | 37  | 35     | 24    | 30  | 34     | 27    | 31  | 24      | 19    | 22  |
| 6        |        |       |     | 46     | 56    | 51  | 46     | 39    | 43  | 48     | 53    | 51  | 33      | 28    | 31  |
| 7        |        |       |     | 56     | 73    | 65  | 58     | 62    | 60  | 57     | 67    | 62  | 50      | 57    | 54  |
| 8        |        |       |     | 59     | 56    | 58  | 58     | 50    | 54  | 56     | 53    | 55  | 52      | 47    | 50  |
| 9        |        |       |     | 43     | 44    | 44  | 45     | 34    | 40  | 41     | 35    | 38  | 33      | 26    | 30  |
| 10       |        |       |     | 68     | 74    | 71  | 67     | 71    | 69  | 67     | 70    | 69  | 62      | 63    | 63  |
| 11       |        |       |     | 43     | 40    | 42  | 44     | 36    | 40  | 40     | 35    | 38  | 36      | 31    | 34  |
| 12       |        |       |     | 60     | 64    | 62  | 58     | 54    | 56  | 60     | 54    | 57  | 51      | 51    | 51  |
| 13       |        |       |     | 75     | 77    | 76  | 78     | 73    | 76  | 77     | 74    | 76  | 74      | 70    | 72  |
| 14       |        |       |     | 85     | 88    | 87  | 83     | 86    | 85  | 83     | 87    | 85  | 85      | 88    | 87  |
| 15       |        |       |     | 81     | 80    | 81  | 81     | 77    | 79  | 79     | 76    | 78  | 77      | 74    | 76  |
| 16       |        |       |     | 67     | 63    | 65  | 63     | 59    | 61  | 63     | 59    | 61  | 61      | 58    | 60  |
| 17       |        |       |     | 55     | 63    | 59  | 51     | 49    | 50  | 49     | 51    | 50  | 36      | 32    | 34  |
| 18       |        |       |     | 78     | 84    | 81  | 78     | 80    | 79  | 76     | 77    | 77  | 74      | 73    | 74  |
| 19       |        |       |     | 55     | 74    | 65  | 49     | 69    | 59  | 50     | 68    | 59  | 42      | 59    | 51  |
| 20       |        |       |     | 56     | 59    | 58  | 51     | 50    | 51  | 50     | 49    | 50  | 43      | 43    | 43  |
| 21       |        |       |     | 61     | 62    | 62  | 54     | 52    | 53  | 53     | 52    | 53  | 41      | 39    | 40  |
| 22       |        |       |     | 72     | 68    | 70  | 67     | 60    | 64  | 67     | 62    | 65  | 59      | 53    | 56  |
| 23       |        |       |     | 56     | 64    | 60  | 56     | 59    | 58  | 57     | 60    | 59  | 51      | 55    | 53  |
| 24       |        |       |     | 76     | 81    | 79  | 75     | 80    | 78  | 72     | 77    | 75  | 69      | 75    | 72  |
| 25       |        |       |     | 47     | 42    | 45  | 46     | 36    | 41  | 41     | 36    | 39  | 34      | 28    | 31  |
| 26       |        |       |     | 68     | 72    | 70  | 67     | 65    | 66  | 63     | 63    | 63  | 60      | 58    | 59  |
| 27       |        |       |     | 71     | 75    | 73  | 66     | 66    | 66  | 59     | 63    | 61  | 50      | 50    | 50  |
| 28       |        |       |     | 36     | 38    | 37  | 37     | 31    | 34  | 35     | 33    | 34  | 30      | 25    | 28  |
| 29       |        |       |     | 31     | 28    | 30  | 29     | 22    | 26  | 28     | 21    | 25  | 23      | 17    | 20  |
| 30       |        |       |     | 48     | 49    | 49  | 44     | 39    | 42  | 43     | 42    | 43  | 35      | 30    | 33  |
| 31       |        |       |     | 30     | 31    | 31  | 27     | 23    | 25  | 27     | 23    | 25  | 21      | 18    | 20  |
| 32       |        |       |     | 67     | 72    | 70  | 62     | 62    | 62  | 62     | 63    | 63  | 56      | 58    | 57  |
| 33       |        |       |     | 65     | 72    | 69  | 68     | 63    | 66  | 66     | 63    | 65  | 60      | 54    | 57  |
| 34       |        |       |     | 34     | 32    | 33  | 31     | 23    | 27  | 32     | 25    | 29  | 25      | 17    | 21  |
| 35       |        |       |     | 13     | 15    | 14  | 10     | 8     | 9   | 12     | 11    | 12  | 9       | 8     | 9   |
| 36       |        |       |     | 48     | 49    | 49  | 50     | 47    | 49  | 48     | 50    | 49  | 41      | 49    | 45  |
| 37       |        |       |     | 81     | 86    | 84  | 83     | 83    | 83  | 80     | 84    | 82  | 80      | 82    | 81  |
| 38       |        |       |     | 69     | 68    | 69  | 68     | 66    | 67  | 67     | 66    | 67  | 63      | 60    | 62  |
| 39       |        |       |     | 78     | 79    | 79  | 77     | 79    | 78  | 77     | 79    | 78  | 76      | 80    | 78  |
| 40       |        |       |     | 83     | 94    | 89  | 88     | 93    | 91  | 91     | 92    | 92  | 89      | 85    | 87  |
| 41       |        |       |     | 25     | 25    | 25  | 26     | 19    | 23  | 27     | 22    | 25  | 24      | 16    | 20  |
| 42       |        |       |     | 51     | 53    | 52  | 54     | 45    | 50  | 49     | 41    | 45  | 43      | 35    | 39  |
| 43       |        |       |     | 41     | 45    | 43  | 43     | 37    | 40  | 42     | 38    | 40  | 36      | 33    | 35  |
| 44       |        |       |     | 46     | 60    | 53  | 49     | 45    | 47  | 46     | 46    | 46  | 38      | 34    | 36  |
| 45       |        |       |     | 61     | 72    | 67  | 67     | 61    | 64  | 64     | 64    | 64  | 57      | 49    | 53  |
| 46       |        |       |     | 37     | 34    | 36  | 36     | 22    | 29  | 36     | 24    | 30  | 26      | 16    | 21  |

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|    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 47 | 87 | 85 | 86 | 77 | 79 | 78 | 77 | 80 | 79 | 69 | 68 | 69 |
| 48 | 58 | 59 | 59 | 55 | 53 | 54 | 54 | 53 | 54 | 46 | 46 | 46 |
| 49 | 34 | 31 | 33 | 33 | 26 | 30 | 32 | 26 | 29 | 28 | 21 | 25 |
| 50 | 73 | 70 | 72 | 72 | 62 | 67 | 69 | 64 | 67 | 64 | 55 | 60 |

## Popular wrong answers.

This table identifies the wrong answer with the most selections for each question for each grade.

| Question | Boys | Girls | All | Boys  | Girls   | All   | Boys  | Girls   | All   | Boys  | Girls   | All   | Boys  | Girls   | All   |
|----------|------|-------|-----|---|---|---|---|---|---|---|---|---|---|---|---|
| 1        |      |       |     | a) rectangle  |
| 2        |      |       |     | c) square and rectangle                                     |
| 3        |      |       |     | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | d) use a strong password for your profile                   | c) read the FAQ   | c) read the FAQ   | c) read the FAQ   |
| 4        |      |       |     | a) to increase the time they spend online                   | c) to refuse you their services                             | a) to increase the time they spend online                   | b) to send you SPAM easier                                  | a) to increase the time they spend online                   | b) to send you SPAM easier                                  |
| 5        |      |       |     | b) they check for spelling mistakes                         |
| 6        |      |       |     | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. | c) Vegetables and fruits are rich in vitamins and minerals. |
| 7        |      |       |     | d) Visual Basic, Delphi, Alice.                             | b) C#, FORT, RAN, HTML.                                     |
| 8        |      |       |     | c) C and E  | a) H and C  | c) C and E  |
| 9        |      |       |     | c) Check if it is a prime                                   |

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|    | number                                     | number  | number  | number  | number  | number  | number  | number  | number  | number  | number  | number  |
|----|--|---|---|---|---|---|---|---|---|---|---|---|
| 10 | a) cheaper                                 | a) cheaper  | a) cheaper  | d) safer  | a) cheaper  | a) cheaper  | d) safer  | d) safer  | d) safer  | a) cheaper  | a) cheaper  | a) cheaper  |
| 11 | a) 1-2-3-4                                 | b) 2-3-4-1  | a) 1-2-3-4  | b) 2-3-4-1  |
| 12 | c) Replace "DO PRINT A" with "DO PRINT B". | c) Replace "DO PRINT A" with "DO PRINT B".                | c) Replace "DO PRINT A" with "DO PRINT B".                | c) Replace "DO PRINT A" with "DO PRINT B".                | b) Replace WHILE and ENDIF with IF and ENDIF.             | b) Replace WHILE and ENDIF with IF and ENDIF.             | b) Replace WHILE and ENDIF with IF and ENDIF.             | c) Replace "DO PRINT A" with "DO PRINT B".                | b) Replace WHILE and ENDIF with IF and ENDIF.             | b) Replace WHILE and ENDIF with IF and ENDIF.             | b) Replace WHILE and ENDIF with IF and ENDIF.             | b) Replace WHILE and ENDIF with IF and ENDIF.             |
| 13 | b) a graphics file is bigger               | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              | b) a graphics file is bigger                              |
| 14 | c) graphical modifiers                     | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    | c) graphical modifiers                                    |
| 15 | c) it doesn't record your IP address       | a) it doesn't record information about your device        | c) it doesn't record your IP address                      | c) it doesn't record your IP address                      | a) it doesn't record information about your device        | c) it doesn't record your IP address                      | a) it doesn't record information about your device        | a) it doesn't record information about your device        |
| 16 | a) hyperlinks                              | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   | a) hyperlinks   |
| 17 | a) be written in English                   | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU | b) be written in some of the official languages of the EU |
| 18 | c) 3, 14                                   | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  | c) 3, 14  |
| 19 | d) compressions                            | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   | d) compressions   |
| 20 | d) beware                                  | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   | d) beware   |
| 21 | a) a poster of a company                   | a) a poster of a company                                  | a) a poster of a company                                  | a) a poster of a company                                  | a) a poster of a company                                  | a) a poster of a company                                  | b) a movie made in  | a) a poster of a company                                  |

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|    |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|
|    | ny   | ny   | ny   | ny   | ny   | ny   | 1999   | ny   | ny   | ny   | ny   | ny   |
| 22 | c) program   |
| 23 | c) display resolution                                  |
| 24 | a) Back up the data                                    |
| 25 | d) a phone conversation                                | c) a radio emission                                    | d) a phone conversation                                | c) a radio emission                                    | d) a phone conversation                                | c) a radio emission                                    | c) a radio emission                                    | d) a phone conversation                                | d) a phone conversation                                | d) a phone conversation                                | c) a radio emission                                    | d) a phone conversation                                |
| 26 | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       | d) it is a sequence of an arithmetic progression       |
| 27 | b) programmer  |
| 28 | a) countries with ten million or more                  |
| 29 | c) watching a movie on YouTube                         |
| 30 | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. | d) Use mix of small and big letters, numbers, symbols. |
| 31 | b) turn the monitor off                                |
| 32 | a) Virus   |
| 33 | c) check digit   |
| 34 | a) a m   |

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|    |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|
|    | achin<br>e that<br>thinks<br>like a<br>huma<br>n                     |
| 35 | b) a<br>café<br>machi<br>ne  |
| 36 | c) the<br>monit<br>or<br>burne<br>d out                              |
| 37 | b) 5<br>MB   |
| 38 | b) 9<br>for<br>the<br>hours<br>and<br>10 for<br>the mi<br>nutes      |
| 39 | b)<br>harde<br>r to<br>copy<br>when<br>you<br>are<br>doing<br>a test |
| 40 | c)<br>yes/n<br>o   |
| 41 | c) Sho<br>pping<br>trip  |
| 42 | d) Alg<br>orith<br>m   |
| 43 | a)<br>input<br>or<br>output  |
| 44 | c) a pr<br>ocess   |
| 45 | d) flo<br>wchar<br>t<br>shape<br>s                                   |
| 46 | c) it's<br>easier<br>than<br>other<br>drawi<br>ngs                   |

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|    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |
|----|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 47 | d) 25                           |
| 48 | a) hardware                     | c) data carriers                | a) hardware                     |
| 49 | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! | d) Ho oray, we lande d on Mars! |
| 50 | b) 1. Apples                    |
|    | 2. Bananas                      |
|    | 3. Strawberries                 |
|    | 4. Grapes                       |

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