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| **F** | | **Binary practice** |
| **28** | Using 8 bit binary addition, work out:  11001010 + 10010010 | |
| **29** | Perform a right shift of 2 on this byte: 11011011 | |

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| **E** | **Binary manipulation** | |
| **23** | | Adding or taking a zero at the end of a binary number |
| **24** | | Adding a zero to the end of a binary number, multiplying it by 2 |
| **25** | | Taking a bit from the end of a binary number, dividing by 2 and rounding down |
| **27** | | A carried digit which is lost because the number is too big for the space allotted to it. ie 1111 + 0011 = 0010 (4 bit addition) |

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| **C** | **Data types** | |
| **Array** | | An **10**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ list of values. All values have the same **11**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the maximum size is normally declared |
| **12** | | A data type which is either true or false |
| **13** | | A single alphanumeric symbol |
| **Integer** | | A **14\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** number |
| **15** | | An indexed collection of data in Python |
| **Real or**  **16** | | A number with a **17**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **18** | | A data type which is a collection of any number of characters |

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| **A** | **Key vocab** | |
| **1** | | Containing letters, digits and symbols |
| **Data** | | A unit of information without **2**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, measured in **3**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **4** | | Data, made intelligible by context |
| **5** | | Force a variable into a certain data type |

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| **B** | **List the digits used in these number systems** | | |
| **Binary** | | **6** | |
| **Denary** | | **7** | |
| **Hexadecimal** | | **8** | |
| One advantage of using Hexadecimal | | | **9** |

Name:

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| **D** | **Data measurements** | |
| **19** | | A single unit of information. A 1 or a 0. A binary digit. |
| **20** | | Four bits |
| **21** | | Eight bits |
| **22** | | 1000 MB |

Programming: Data and Data types