**Reference PR-M1-1 – Introduction to JavaScript**

**Definitions:**

|  |  |
| --- | --- |
| execute | run the programming code |
| JavaScript statement |  |
| modulus |  |
| NaN |  |
| Boolean |  |
| string |  |
| concatenation | used to join strings together with numbers or variables |
| interpolation |  |

**Numbers:** entered by: simply typing the number example: 73.6

**Numerical Operators:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **operator** | **symbol** | **operator** | **symbol** | **operator** | **symbol** | **operator** | **symbol** |
| add | + | subtract |  | multiply |  | divide |  |
| modulus  (see definitions) |  |  |  |  |  |  |  |
| example of using modulus | |  | | | returns | | |

**Parentheses (brackets):** used in calculations so that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**JavaScript Math object:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Math object method** | **example** | **code** | **answer** |
| power | 23 | Math.pow(2,3) | 8 |
| square root | √36 |  |  |
| round | round 7.8 |  |  |
| round down | round down 7.8 |  |  |
| π (pi) | area of a circle (radius 10), rounded to nearest integer value |  |  |
| random number | random integer between 1 & 10 |  |  |

|  |  |
| --- | --- |
| **code** | **returns** |
| isNaN(“Monday”) | true |
| isNaN(6) |  |
| isNaN(“6”) |  |

**NaN function: (see definitions)**

**Comparators:**

|  |  |  |  |
| --- | --- | --- | --- |
| **comparator** | **symbol** | **example** | **returns** |
| equal to |  |  |  |
| not equal to |  |  |  |
| greater than | > |  |  |
| greater than or equal to | >= |  |  |
| less than |  |  |  |
| less than or equal to |  |  |  |

**Strings: (see definitions)** entered by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Concatenation: (see definitions)**  - best used when joining strings

|  |  |
| --- | --- |
| example using string and number |  |

**Interpolation: (see definitions)** - best used when joining variables into strings

|  |  |
| --- | --- |
| example using string and number |  |

**String comparators:**

|  |  |  |  |
| --- | --- | --- | --- |
| **comparator** | **symbol** | **example** | **returns** |
| equal to |  |  |  |
| not equal to |  |  |  |

**String length property: -** syntax uses \_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| example | “Programming in JavaScript”.length | **length is \_\_\_\_\_\_** |