**Arithmetic and Casting Practice**

**Calculate each of the following and determine if the result is an int or double.**

**Place the result of the calculation in the Result column.** If the Result is a double, please include the decimal point. For example, if the result is a double value of 7, the value in the result column will 7.0.

**Mark whether the result is an int or double.** This may be by circling either int or double, deleting the one that isn’t correct, making the correct answer bold. In other words, any reasonable method.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Result** | **Result type:**  **Choose int or double** |
|  | 9 / 5 = | 1 | int |
|  | 9 % 5 = | 4 | int |
|  | 2 + 20 / 5 | 6 | int |
|  | 2 + 20 % 5 | 0 | int |
|  | 15 / 2 | 7 | int |
|  | 15.0 / 2 | 7.5 | double |
|  | 3 / 4.0 | 0.75 | double |
|  | 5 -2 / 4 | 5 | int |
|  | 4 / 10.0 + 32 / 10 | 3.4 | double |
|  | (double) (15 / 10) | 1.5 | double |
|  | (double) 15 / 10 | 1.5 | double |
|  | (int) 7.6 + 2.5 | 10 | Int |
|  | (int) (7.6 + 2.5) | 10 | Int |
|  | (int) 5.8 | 5 | Int |
|  | (double) 5 | 5.0 | double |