A7 - Execution Timing

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Table 1: Execution Timings

Timing Function	int8_t (8 Bit)	int32_t (32 Bit)	int64_t (64 Bit)	float (32 Bit)	double (64 Bit)
Subroutine Call	5.959 μs	6.621 μs	6.620 μs	5.959 μs	9.270 μs
testVar = num	5.298 μs	5.280 μs	7.283 μs	5.400 μs	7.282 μs
testVar = num + 1	5.958 μs	5.959 μs	7.945 μs	6.621 μs	50.32 μs
testVar = num + 7	5.959 μs	5.960 μs	7.945 μs	6.622 μs	50.32 μs
testVar = num * 2	5.959 μs	5.960 μs	8.608 μs	6.621 μs	38.40 μs
testVar = num * 3	5.959 μs	5.960 μs	8.608 μs	6.621 μs	38.40 μs
testVar = num / 3	7.945 μs	7.946 μs	46.90 μs	11.26 μs	54.29 μs
testVar = sin(num)	1.653 ms	1.645 ms	1.742 ms	1.628 ms	1.604 ms
testVar = sqrt(num)	361.0 μs	361.0 μs	452.0 μs	326.3 μs	307.9 μs
testVar = abs(num)	6.640 μs	6.640 μs	7.946 μs	8.600 μs	62.90 μs