When a mathematical expression in Java is evaluated:
$\sim$ All the * and / are evaluated left-to-right first.
$\sim$ All the + and - are evaluate left-to-right second.
$\sim$ When an operation's types differ, the result is of the bigger type (byte $<$ short < int < long < float < double < String).
$\sim$ Parentheses can be used to change the default grouping.
For example, $1.0+2$ * $3+$ "Yow!" evaluates to the String "7.0Yow!" and (1.0 + 2) * $3+$ "Yow!" evaluates to the String " 9.0 Yow!" according to these rules.

1) Assume you have variables $b, s, i, l, f, d, t$ with types byte, short, int, long, float, double and String, respectively. Identify the order of operations by writing a number under each operation starting with 1 . Under each number write the type that the operation results in.
$\mathrm{b}+\mathrm{s}$ * i
$\mathrm{d}+\mathrm{i} * \mathrm{f}+\mathrm{f}$
$\mathrm{b} * \mathrm{~s}+\mathrm{i} / \mathrm{l}+\mathrm{f} * \mathrm{~d}+\mathrm{t}$
2) Evaluate the following expressions, giving the type and value of the result. By default integer, floating-point, and String literals have types int, double and String, respectively.
$1+2.0+" 3 "$
1 + "2.0" + 3
"1" +2.0 + 3
2 * $2 / 4$
$2 / 4$ * 2
