Integer manipulations

The Perl 6 integer test report

The integer is in perl the most important type so we need to do our best to test it thoroughly. First we declare a constant to be used later and an integer without a value.

```
    constant ABC = 10;
5.  my Int $i;
    my Hash $h;
    $h<test> = $i;
    nok $i.defined, 'T0';
    ok $i ~~ Int, 'T1';
10. todo 'D2', 1;
    ok $i !~~ Int, 'D3';
    ok $i ~~ Cool, 'T4';
```

✔ **T0:** Declaration of an integer without an assignment of a value, should result in an undefinedness.

✔ **T1:** But when defined or not, its type value can be compared.

Next D3 test is a todo test: Someday we might make this not fail when wormwhole modules are installed

📄 **D3:** The opposite test should fail

✔ **T4:** Also inherited classes should be compared successfully.

Operations

Next a few tests to see if operations can be applied to the integer

```
        $i = ABC;
        is $i, 10, 'T5';
15.  if ?"We are not stupid" {
        skip 'S6', 2;
     }
     else {
        ok 10 < 7, 'S7';
20.     ok 11 / 0, 'S8';
     }
     todo 'D9', 2;
     is $i, 11, 'D10';
     like $i.Str, /'not 10, but text'/, 'D11';
25.  for ^10 {
        ok $^a < 7, 'T12';
     }
     for ^11 {
        todo 'D13', 1;
30.     ok $^a > 8, 'D14';
     }
     my Int $i2 = 20304;
     todo 'B15', 2;
     is $i2, 20304, 'B16';
35.  is $i2 - 20305, 1, 'B17';
```

✔   **T5:** Initialize Int with the constant seems to have done well

Next 2 tests (S7-8) might be skipped: Two lines are skipped because these are stupid tests

☆☆   **S7:** 10 not smaller than 7

☆☆   **S8:** Won't work in this universe

Next 2 tests (D10-11) are todo tests: Incredible tests which will be true in the not so distant future

📄   **D10:** Integer is 10 not 11

📄   **D11:** test some text

✔7 ✘3   **T12:** test a series of numbers against 7

Next D14 test is a todo test: Should make todos with this test

📄2 📄9   **D14:** test a series of numbers against 8

Next 2 tests (B16-17) are bug issue tests: Mentioned a few bugs from the issues list on github

📄   **B16:** ok, for now

📄   **B17:** not ok

Normal tests	**Bug issues**	**Todo tests**	**Summary**

Normal tests: 11, 3 → 14

Bug issues: 1, 1 → 2

Todo tests: 2, 12 → 14

Summary: 14 ok, 3 Tests, 1 Bugs, 12 Todo, 2 Skip → 32 Total