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;
my Int $i;
nok $i.defined, 'T0';
ok $i ~~ Int, 'T1';
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 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';
is $i, 11, 'D7';
like $i.Str, /'not 10, but text'/, 'D8';
```

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

Next 2 tests are todo tests: Incredible tests which will be true in the not so distant future

📄 **D7:** Integer is 10 not 11

📄 **D8:** test some text

```
for ^10 {
  ok $^a < 7, 'T9';
}
```

✔7 ✖3 **T9:** test a series of numbers against 7

```
for ^11 {
  ok $^a > 8, 'D11';
}
```

Next 11 tests are todo tests: Should make todos with this test

📄2 📄9 **D11:** test a series of numbers against 8

```
my Int $i2 = 20304;
is $i2, 20304, 'B13';
is $i2 - 20305, 1, 'B14';
```

Next 2 tests are bug issue tests: Mentioned a few bugs from the issues list on github

B13: ok, for now

B14: not ok

Normal tests	Bug issues	Todo tests	Summary