



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';
```

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

```
if ?"We are not stupid" {
  ok 10 < 7, 'S7';
  ok 11 < 7, 'S8';
}
is $i, 11, 'D10';
like $i.Str, /'not 10, but text'/, 'D11';
```

Next 2 tests are skip tests: Next 2 lines we need to skip because these are stupid tests

T7: 10 not smaller than 7

T8: neither is 11

Next 2 tests 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

```
for ^10 {
  ok $^a < 7, 'T12';
}
```

- ✓7 ✗3 **T12:** test a series of numbers against 7

```
for ^11 {
  ok $^a > 8, 'D14';
}
```

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

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

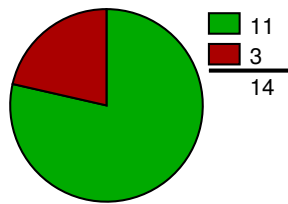
```
my Int $i2 = 20304;
is $i2, 20304, 'B16';
is $i2 - 20305, 1, 'B17';
```

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

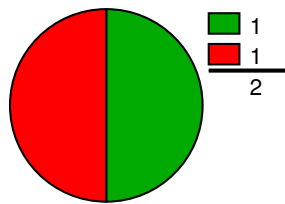
16 **B16:** ok, for now

17 **B17:** not ok

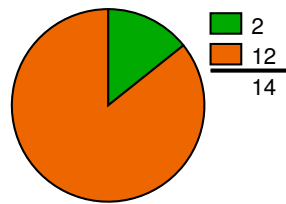
Normal tests



Bug issues



Todo tests



Summary

