1   Counters

Count 7/2 = 3.
  Count 3*1.6 = 4.
  Count 3*1.7 = 5.
  Count 3*1.6*1.7 =6.
  Count 3+(4*5) = 23.
  Count 3*(4+5) = 27.

2   Lengths

Length 200pt = 200.0pt.
  Length 2pt+4em = 42.00006pt.
  Length 2em*4.5 = 90.00014pt.
  Length 2em*ratio3cm2cm = 30.00005pt.
  Length (3pt plus 3pt)*1.5 = 4.5pt.
  Length lenc * (lenb/lenc) = 300.0pt.

3   Min & Max

Count min(2,4) = 2
  Count max(2,4) = 4
  Count 3*maxof(4+5)(3*4)+minof(2*1.6)(5-1) =39.
  Length minof(3pt)(lenb)*1.5*maxof(2*1.6)(2-1) = 13.5pt.

4   Widths, Heights of Boxes

Length of "Some text" = 44.16676pt.
  Length of "Some text" = 44.16676pt.
  Length of "Some text" * 0.68 = 30.03307pt.
  Length (3pt plus 3pt)*1.5 = = 4.5pt.

5   Macros?

Length of "Other text= 46.41676pt.
  Count 3*maxof(4+5)(3*4) =36.

6   Magical Redefinition

All but 1st 2 would fail in stock LaTeX: Foo   Foo   Foo
        Foo   Foo