```
PROCEDURE  Floats*;
  VAR
    a, b, c, s, t, u, x, y  :  SHORTREAL;
  BEGIN
    a  :=  10000000.;
    b  :=         3.;
    c  :=   3333333.;

    x  :=  a * (a / b - c) - c;                    (*  Correct to  5 / 5  digits  *)

    s  :=  a / b;
    t  :=  s - c;
    u  :=  a * t;
    y  :=  u - c                                   (*  Correct to  2 / -6  digits  *)
  END  Floats;



(*
'Correct' answer:             0.33333333333333

                           BlackBox              C(#)32              C(#)64

REAL (double)     x :         0.333332575           0.3348855           0.3348855
REAL (double)     y :         0.334885538           0.3348855           0.3348855

SHORTREAL (float) x :         0.333332568           0.3348855     -833333.0
SHORTREAL (float) y :   -833333.0             -833333.0           -833333.0


Key:
  C(#)32 Means C# or Microsoft Visual Studio C 2010 creating a WIN32 bit application
  C(#)32 Means C# or Microsoft Visual Studio C 2010 creating a WIN64 bit application
*)
```