NAME
TPVSCL − Scale a two-part value by a REAL*8 factor.

SYNOPSIS
CALL TPVSCL(TPV,L,S)

TPV(2)   is the INTEGER*4 two-part value to be scaled in-place
L   is the INTEGER*4 number of small things in a big one in the two-part value
S   is the REAL*8 factor by which TPV is to be multiplied

DESCRIPTION
The routine converts TPV to a REAL*8 value, multiplies by T, and converts the result back to a two-part value.

SEE ALSO
TPV2R8 and R82PTV, which this routine uses
and TPVADD, TPVSUB, TPVNML, TPVMLT, TPVDIV, TPVMAX

LINKAGE
gfortran   source.f −L${HOME}/lib −lmisc

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EXAMPLE
```
        INTEGER*4 TPV(2)/23,17/
        REAL*8 S/2.72D0/
        CALL TPVSCL(TPV,12,S)
        WRITE(6,901) S,TPV
  901 FORMAT('[23,17]*',F4.2,'=[',I2,',',I2,']')
        STOP
        END
```

This program finds that (23+17/12)*2.72 = 66+5/12, as shown by the output below.

```
unix[1] a.out
[23,17]*2.72=[66, 5]
unix[2]
```