(*c*) *Problem 41*

Find the volume of a cylindrical granary of diameter 9 and height 10.

Take away $\frac{1}{9}$ of 9, namely, 1; the remainder is 8. Multiply 8 times 8; it makes 64. Multiply 64 times 10; it makes 640 cubed cubits. Add $\frac{1}{2}$ of it to it; it makes 960, its contents in *khar*. Take $\frac{1}{20}$ of 960, namely 48. 4800 *hekat* of grain will go into it.

Method of working out:

1	8
2	16
4	32
\8	64.
1	64
\10	640
$\backslash\frac{1}{2}$	320
Total	960
$\frac{1}{10}$	96
$\backslash\frac{1}{20}$	48.