

Multiply $\overline{28}$ by $1\overline{24}$

$$\begin{array}{r} 1 \\ \overline{28} \end{array}$$

$$\begin{array}{r} 1 \\ \overline{56} \end{array}$$

$$\begin{array}{r} 1 \\ \overline{112} \end{array}$$

$$\overline{28} \quad \overline{56} \quad \overline{112} = \overline{16}$$

Divide $1\overline{24}$ by 28

1	28
$\frac{1}{2}$	14
$\frac{1}{4}$	7
$\frac{1}{7}$	4
$\frac{1}{14}$	2
$\frac{1}{28}$	1
$\frac{1}{56}$	$\frac{1}{2}$
$\frac{1}{112}$	$\frac{1}{4}$
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$\overline{28}$	$\overline{124}$

ratio of diameters	$\frac{5}{4}$
ratio of areas	$\frac{25}{16}$
$100 \cdot \frac{25}{16} = 156\overline{24}$	