

⑤

$$\begin{array}{r}
 .0588235294117647 \\
 17 \overline{) 100.} \\
 \underline{85} \\
 150 \\
 \underline{136} \\
 140 \\
 \underline{136} \\
 40 \\
 \underline{34} \\
 60 \\
 \underline{51} \\
 90 \\
 \underline{85} \\
 50 \\
 \underline{34} \\
 160 \\
 \underline{153} \\
 70 \\
 \underline{68} \\
 20 \\
 \underline{17} \\
 30 \\
 \underline{17} \\
 130 \\
 \underline{119} \\
 110 \\
 \underline{102} \\
 80 \\
 \underline{68} \\
 120 \\
 \underline{119} \\
 \textcircled{1}
 \end{array}$$

$$\therefore \frac{1}{17} = 0.\overline{0588235294117647}$$

reqd no. of digits = 16