10. \[8 \text{ pts} \] Divide by hand, then explain thoroughly why the decimal point in the dividend is moved as it is: \(0.07 \div 0.35\).

\[
0.07 \div 0.35 = \frac{0.07}{0.35} = \frac{7}{35} = 0.2
\]

Move the dividend's point "to match" because of the FLF:

\[
\frac{0.07 \times 100}{0.35 \times 100} = \frac{7}{35} > 2 \text{ positions each}
\]

11. \[14 \text{ pts} - 3 \text{ or } 5 \text{ each} \] Convert as indicated; if not possible, say so.

(a) \(1.457\) to a fraction

\[
\frac{1.457 \times 100}{100} = 145.7 = 145 \frac{7}{9}
\]

\[
145 \frac{7}{9} = \frac{1312}{9} \div 100 = \frac{1312}{900}
\]

(b) \(1.457\) to a percent, rounded to the nearest tenth of a percent

\[
145.7\%
\]

(c) \(6.83\%\) to a fraction

\[
0.0683 = \frac{683}{10,000}
\]

(d) \(\frac{7}{18}\) to a decimal; do not round

\[
0.388888888\ldots = 0.3\overline{8}
\]