

Write eighty-three and three hundred six
thousandths in expanded form.

$$83 + \frac{306}{1000}$$

$$= \underline{8} \underline{3} . \underline{3} \underline{0} \underline{6}$$

Place value chart for 83.306:

10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
8	3	3	0	6

Conversion steps:

$$\begin{aligned} &\div 10 \rightarrow \\ &\div 10 \rightarrow \\ &\div 10 \rightarrow \end{aligned}$$

Place value chart for 306:

100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
3	0	6	0	0	0

$$\begin{aligned} &306 \cdot 0 \\ &30.60 \\ &3.060 \\ &0.306 \end{aligned}$$

$$= (8 \times 10) + (3 \times 1) + (3 \times \frac{1}{10}) + (0 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$$

$$= (8 \times 10) + (3 \times 1) + (3 \times 0.1) + (0 \times 0.01) + (6 \times 0.001)$$