

$$\begin{aligned}
 2(i) \quad & \frac{13}{3125} \\
 &= \frac{13}{5^5} \times \frac{2^5}{2^5} \\
 &= \frac{416}{10^5} \\
 &= 0.00416
 \end{aligned}$$

or

$$\begin{array}{r}
 0.00416 \\
 \hline
 3125 \overline{) 13000} \\
 \underline{12500} \phantom{0} \\
 5000 \\
 \underline{3125} \phantom{0} \\
 18750 \\
 \underline{18750} \\
 \hline
 \phantom{000} \times
 \end{array}$$

$$\begin{aligned}
 2(ii) \quad & \frac{17}{8} \\
 &= \frac{17}{2^3} \times \frac{5^3}{5^3} \\
 &= \frac{2125}{10^3} \\
 &= 2.125
 \end{aligned}$$

2(iii) —

$$\begin{aligned}
 2(iv) \quad & \frac{15^3}{1600 \cdot 320} \\
 &= \frac{3}{2^6 \times 5} \times \frac{5^5}{5^5} \\
 &= \frac{9375}{10^6} \\
 &= 0.009375
 \end{aligned}$$

2(v) —

$$\begin{aligned}
 2(vi) \quad & \frac{23}{2^3 \times 5^2} \times \frac{5}{5} \\
 &= \frac{115}{10^3} \\
 &= 0.115
 \end{aligned}$$