



小數與分數的互化

The Interchange between Decimals and Fractions

把分數化成小數：

Express fractions in decimals :

$$\textcircled{1} \frac{45}{100}$$

$$= 0.45$$

$$\textcircled{2} 1\frac{9}{1000}$$

$$= 1.009$$

$$\textcircled{3} 3\frac{1}{5}$$

$$= 3.2$$

$$\textcircled{4} 2\frac{7}{20}$$

$$= 2.35$$

$$\textcircled{5} \frac{16}{25}$$

$$= 0.64$$

$$\textcircled{6} 5\frac{1}{4}$$

$$= 5.25$$

$$\textcircled{7} 1\frac{3}{8}$$

$$= 1.375$$

$$\textcircled{8} 5\frac{12}{125}$$

$$= 5.096$$

把小數化成最簡分數：

Express decimals in simplest fractions :

$$\textcircled{1} 4.4$$

$$= 4\frac{(4)}{10}$$

$$= 4\frac{2}{5}$$

$$\textcircled{2} 1.35$$

$$= 1\frac{(35)}{100}$$

$$= 1\frac{7}{20}$$

$$\textcircled{3} 0.008$$

$$= \frac{(8)}{1000}$$

$$= \frac{1}{125}$$

$$\textcircled{4} 2.25$$

$$= 2\frac{25}{100}$$

$$= 2\frac{1}{4}$$

$$\textcircled{5} 3.625$$

$$= 3\frac{625}{1000}$$

$$= 3\frac{5}{8}$$

$$\textcircled{6} 4.6$$

$$= 4\frac{6}{10}$$

$$= 4\frac{3}{5}$$

$$\textcircled{7} 7.375$$

$$= 7\frac{375}{1000}$$

$$= 7\frac{3}{8}$$

$$\textcircled{8} 1.88$$

$$= 1\frac{88}{100}$$

$$= 1\frac{22}{25}$$

由大至小排序：

Arrange in descending order :

$$\textcircled{1} \quad 2.77, 2\frac{4}{5}, 3.7 \quad \underline{3.7} > \underline{2\frac{4}{5}} > \underline{2.77}$$

$$\textcircled{2} \quad \frac{1}{2}, 0.6, \frac{3}{4} \quad \underline{\frac{3}{4}} > \underline{0.6} > \underline{\frac{1}{2}}$$

$$\textcircled{3} \quad 4\frac{3}{5}, 4.55, 4.7 \quad \underline{4.7} > \underline{4\frac{3}{5}} > \underline{4.55}$$

$$\textcircled{4} \quad 3.35, 3\frac{1}{4}, 3\frac{1}{5} \quad \underline{3.35} > \underline{3\frac{1}{4}} > \underline{3\frac{1}{5}}$$

$$\textcircled{5} \quad \frac{9}{10}, 1.1, 1.05 \quad \underline{1.1} > \underline{1.05} > \underline{\frac{9}{10}}$$

把分數化成小數(答案取至兩位小數)：

Express fractions in decimals

(round off to 2-decimal places) :

$$\textcircled{1} \quad \frac{5}{12} \approx 0.42$$

$$\begin{array}{r} 0.416 \\ 12 \overline{) 5.0} \\ \underline{48} \\ 20 \\ \underline{12} \\ 80 \\ \underline{72} \\ 8 \end{array}$$

$$\textcircled{2} \quad 1\frac{2}{7} \approx 1.29$$

$$\begin{array}{r} 0.285 \\ 7 \overline{) 2.0} \\ \underline{14} \\ 60 \\ \underline{56} \\ 40 \\ \underline{35} \\ 5 \end{array}$$

$$\textcircled{3} \quad 3\frac{3}{8} \approx 3.38$$

$$\begin{array}{r} 0.375 \\ 8 \overline{) 3.0} \\ \underline{24} \\ 60 \\ \underline{56} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\textcircled{4} \quad \frac{4}{15} \approx 0.27$$

$$\begin{array}{r} 0.266 \\ 15 \overline{) 4.0} \\ \underline{30} \\ 100 \\ \underline{90} \\ 100 \\ \underline{90} \\ 10 \end{array}$$