



小數與分數的互化 (二)

The Interchange between Decimals and Fractions (II)

把分數化成小數：

Express fractions in decimals :

$$\textcircled{1} \frac{25}{100}$$

$$= \underline{0.25}$$

$$\textcircled{2} \frac{19}{25}$$

$$= \underline{0.76}$$

$$\textcircled{3} 9\frac{3}{4}$$

$$= \underline{9.75}$$

$$\textcircled{4} 7\frac{5}{8}$$

$$= \underline{7.625}$$

$$\textcircled{5} 8\frac{2}{5}$$

$$= \underline{8.4}$$

$$\textcircled{6} 6\frac{1}{20}$$

$$= \underline{6.05}$$

$$\textcircled{7} 3\frac{1}{1000}$$

$$= \underline{3.001}$$

$$\textcircled{8} 2\frac{9}{125}$$

$$= \underline{2.072}$$

把小數化成最簡分數：

Express decimals in simplest fractions :

$$\textcircled{1} 7.2$$

$$= 7\frac{(\quad 2 \quad)}{10}$$

$$= \underline{7\frac{1}{5}}$$

$$\textcircled{2} 5.65$$

$$= 5\frac{(\quad 65 \quad)}{100}$$

$$= \underline{5\frac{13}{20}}$$

$$\textcircled{3} 0.004$$

$$= \frac{(\quad 4 \quad)}{1000}$$

$$= \underline{\frac{1}{250}}$$

$$\textcircled{4} 1.875$$

$$= \underline{1\frac{875}{1000}}$$

$$= \underline{1\frac{7}{8}}$$

$$\textcircled{5} 5.44$$

$$= \underline{5\frac{44}{100}}$$

$$= \underline{5\frac{11}{25}}$$

$$\textcircled{6} 8.25$$

$$= \underline{8\frac{25}{100}}$$

$$= \underline{8\frac{1}{4}}$$

$$\textcircled{7} 9.8$$

$$= \underline{9\frac{8}{10}}$$

$$= \underline{9\frac{4}{5}}$$

$$\textcircled{8} 6.125$$

$$= \underline{6\frac{125}{1000}}$$

$$= \underline{6\frac{1}{8}}$$

由大至小排序：

Arrange in descending order :

$$\textcircled{1} \quad 6.15, 6\frac{1}{5}, 6.1 \quad \underline{6\frac{1}{5}} > \underline{6.15} > \underline{6.1}$$

$$\textcircled{2} \quad 5\frac{3}{4}, 5.7, 5.77 \quad \underline{5.77} > \underline{5\frac{3}{4}} > \underline{5.7}$$

$$\textcircled{3} \quad 1.03, 1\frac{1}{10}, 1.2 \quad \underline{1.2} > \underline{1\frac{1}{10}} > \underline{1.03}$$

$$\textcircled{4} \quad \frac{1}{4}, 0.3, \frac{2}{5} \quad \underline{\frac{2}{5}} > \underline{0.3} > \underline{\frac{1}{4}}$$

$$\textcircled{5} \quad 6.55, 6\frac{1}{2}, 6\frac{1}{5} \quad \underline{6.55} > \underline{6\frac{1}{2}} > \underline{6\frac{1}{5}}$$

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) :

$$\textcircled{1} \quad \frac{9}{17} \approx 0.53$$

$$\begin{array}{r} 0.529 \\ 17 \overline{) 9.0} \\ \underline{85} \\ 50 \\ \underline{34} \\ 160 \\ \underline{153} \\ 7 \end{array}$$

$$\textcircled{2} \quad 4\frac{7}{8} \approx 4.88$$

$$\begin{array}{r} 0.875 \\ 8 \overline{) 7.0} \\ \underline{64} \\ 60 \\ \underline{56} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\textcircled{3} \quad 6\frac{5}{7} \approx 6.71$$

$$\begin{array}{r} 0.714 \\ 7 \overline{) 5.0} \\ \underline{49} \\ 10 \\ \underline{7} \\ 30 \\ \underline{28} \\ 2 \end{array}$$

$$\textcircled{4} \quad \frac{10}{11} \approx 0.91$$

$$\begin{array}{r} 0.909 \\ 11 \overline{) 10.0} \\ \underline{99} \\ 100 \\ \underline{99} \\ 1 \end{array}$$