



# 百分數、小數與分數的互化

## Interchanging between Percentages, Decimals and Fractions

把下列小數化成百分數：  
Express the decimals in percentages :

$$\begin{array}{l} \text{小數} \\ \text{Decimals} \end{array} \times 100\% = \begin{array}{l} \text{百分數} \\ \text{Percentages} \end{array}$$

$$\begin{aligned} \textcircled{1} \quad 0.03 \\ &= \frac{0.03}{1} \times 100\% \\ &= \frac{3}{100} \times 100\% \\ &= 3\% \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2.7 \\ &= \frac{2.7}{1} \times 100\% \\ &= 270\% \end{aligned}$$

把下列分數化成百分數：  
Express the fractions in percentages :

$$\begin{array}{l} \text{分數} \\ \text{Fractions} \end{array} \times 100\% = \begin{array}{l} \text{百分數} \\ \text{Percentages} \end{array}$$

$$\begin{aligned} \textcircled{1} \quad \frac{7}{10} \\ &= \frac{7}{10} \times 100\% \\ &= 70\% \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 5\frac{1}{2} \\ &= \frac{11}{2} \times 100\% \\ &= 550\% \end{aligned}$$

把下列百分數化成小數：  
Express the percentages in decimals :

$$\begin{array}{l} \text{百分數} \\ \text{Percentages} \end{array} \div 100\% = \begin{array}{l} \text{小數} \\ \text{Decimals} \end{array}$$

$$\begin{aligned} \textcircled{1} \quad 43\% \\ &= \frac{43\%}{100\%} \\ &= 0.43 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 9\% \\ &= \frac{9\%}{100\%} \\ &= 0.09 \end{aligned}$$

把下列百分數化成分數：  
Express the percentages in fractions :

$$\begin{array}{l} \text{百分數} \\ \text{Percentages} \end{array} \div 100\% = \begin{array}{l} \text{分數} \\ \text{Fractions} \end{array}$$

$$\begin{aligned} \textcircled{1} \quad 5\frac{1}{2}\% \\ &= \frac{11}{2}\% \div 100\% \\ &= \frac{11}{200} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 92\% \\ &= \frac{92\%}{100\%} \\ &= \frac{23}{25} \end{aligned}$$

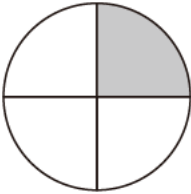

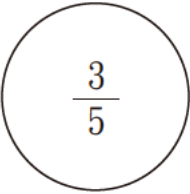
填表：

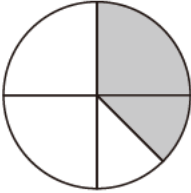
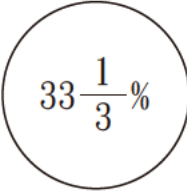

Fill in the table：

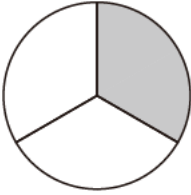
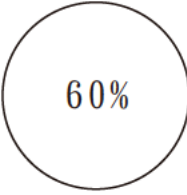
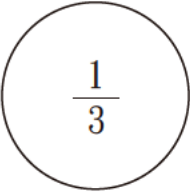
|   | 最簡分數<br>Simplest Fraction | 小數<br>Decimals | 百分數<br>Percentages |
|---|---------------------------|----------------|--------------------|
| ① | $\frac{3}{5}$             | 0.6            | 60%                |
| ② | $1\frac{7}{100}$          | 1.07           | 107%               |
| ③ | $\frac{7}{25}$            | 0.28           | 28%                |
| ④ | $\frac{4}{5}$             | 0.8            | 80%                |


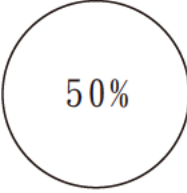
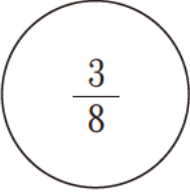
根據陰影部分佔整體的多少連線：

Match according to the shaded part of the whole：

①   

②   

③   

④   

⑤ 