

Lesson Starter

- ① estimate $3 \times 2974 = 3 \times 3000 = 9000$
- ② change $\frac{2}{5}$ to a percentage
 $\frac{0.4}{\cancel{5} \cancel{2} \times 2} = 0.4 \times 100 = 40\%$ $\frac{2}{5} = \frac{40}{100} = 40\%$ $\frac{2}{5} \times 100 = 40\%$
 Calc $100 \div 5 \times 2 = 40\%$
- ③ change $\frac{9}{10}$ to a decimal
 $\frac{0.9}{\cancel{10} \cancel{9} \times 10}$ $9 \div 10 = 0.9$ $\frac{9}{10} = 0.9$
- ④ change 0.57 to a fraction
 $= \frac{57}{100}$

HW solutions 😊

- ① $0.5 = \frac{5}{10} \div 5 = \frac{1}{2}$ ② $0.6 = \frac{6}{10} \div 2 = \frac{3}{5}$
- ③ $0.9 = \frac{9}{10}$ ④ $0.75 = \frac{75}{100} \div 25 = \frac{3}{4}$
- ⑤ $0.325 = \frac{325}{1000} \div 25 = \frac{13}{40}$ ⑥ $0.42 = \frac{42}{100} \div 2 = \frac{21}{50}$
- ⑦ $0.96 = \frac{96}{100} \div 2 = \frac{24}{25}$ ⑧ $0.7 = \frac{7}{10}$
- ⑨ $0.875 = \frac{875}{1000} \div 25 = \frac{35}{40} \div 5 = \frac{7}{8}$
- ⑩ $1.325 = \frac{325}{1000} \div 25 = \frac{13}{40} = \frac{53}{40}$

Percentages to decimals

- eg1 $42\% = \frac{42}{100} = 42 \div 100 = 0.42$
- eg2 $12.5\% = \frac{12.5}{100} \times 10 = \frac{125}{1000} = 0.125$
- eg3 $5.75\% = \frac{5.75}{100} \times 100 = \frac{575}{10000} = 0.0575$

Change these percentages to decimals

- ① 80% ② 40% ③ 60% ④ 5%
- ⑤ 25% ⑥ 75% ⑦ 48% ⑧ 37.5%
- ⑨ 67.5% ⑩ 0.125%

finish for HW 😊