

NAME : _____

CHAPTER 6 – DIVIDE WHOLE NUMBER BY PROPER FRACTION

Example 1 :

$$\begin{aligned}\frac{4}{5} \div 10 &= \frac{4}{5} \div \frac{10}{1} && \text{1) Make whole number over 1} \\ &= \frac{4}{5} \times \frac{1}{10} && \begin{array}{l} \text{1) Change } \div \text{ to } \times. \\ \text{1) Flip the second fraction.} \end{array} \\ &= \frac{4 \times 1}{5 \times 10} && \text{4) Multiply the numerators and denominators} \\ &= \frac{4 \div 2}{50 \div 2} && \text{5) Simplify the fraction or change into mixed number} \\ &= \frac{2}{25}\end{aligned}$$

Example 2 :

$$\begin{aligned}10 \div \frac{4}{5} &= \frac{10}{1} \div \frac{4}{5} && \text{1) Make whole number over 1} \\ &= \frac{10}{1} \times \frac{5}{4} && \begin{array}{l} \text{2) Change } \div \text{ to } \times. \\ \text{3) Flip the second fraction.} \end{array} \\ &= \frac{10 \times 5}{1 \times 4} && \text{4) Multiply the numerators and denominators} \\ &= \frac{50 \div 2}{4 \div 2} && \text{5) Simplify the fraction or change into mixed number} \\ &= \frac{25}{2} = 12\frac{1}{2}\end{aligned}$$

Work out the fractions below :

$$1) \frac{2}{3} \div 4 = \frac{2}{3} \div \frac{4}{1} = \frac{2}{3} \times \frac{1}{4} = \frac{\div 2}{\div 2} = \text{---}$$

$$2) \frac{1}{5} \div 3 = \frac{1}{5} \div \frac{3}{1} = \frac{1}{5} \times \frac{1}{3} = \text{---}$$

$$3) \frac{4}{9} \div 8 = \text{---}$$

$$4) \frac{9}{11} \div 6 = \text{---}$$

$$5) 6 \div \frac{1}{3} =$$

$$6) 3 \div \frac{4}{7} = \text{---}$$

$$7) 8 \div \frac{2}{3} =$$

$$8) 7 \div \frac{4}{5} = \text{---}$$