STRAND – MEASUREMENT
SUB – STRAND: Changing Fractions to Decimals
CLO: Express fractions involving tenths, hundredths and thousands as decimals.

Changing Fractions to Decimals

| Proper fraction to decimal | Improper fraction to decimal | Repeating or recurring fraction |

A **terminating** decimal comes to a definite end. It has a definite number of decimal places.
A **repeating** or **recurring** decimal does not come to an end, but forms pattern that is repeated indefinitely.

QUESTIONS

1. Write each as a decimal.

   a) $\dfrac{4}{5}$ = 0.8

   b) $\dfrac{1}{8}$ = 0.125

   c) $\dfrac{3}{7}$ = 0.43

   d) $\dfrac{12}{15}$ = 0.8

   e) $\dfrac{9}{12}$ = 0.75

   f) $\dfrac{20}{25}$ = 0.8

2. Write each improper fraction as a decimal

   a) $\dfrac{8}{4}$ = 2/1 or 2

   b) $\dfrac{12}{8}$ = 3/2

   c) $\dfrac{12}{10}$ = 6/5

   d) $\dfrac{20}{12}$ = 5/3

   d) $\dfrac{50}{20}$ = 5/2

   f) $\dfrac{32}{24}$ = 4/3