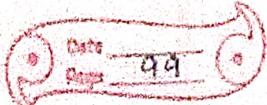HOME ASSIGNMENT

1) Ramdin can reap a field in 30 days. What part of the field would be he have reaped in 25 days?

Sol. Ramdin can reap a field in 30 days

In 1 day he can reap $= \dfrac{1}{30}$ part of the field

In 25 days he can reap $= \dfrac{1}{30} \times 25^5 = \dfrac{5}{6}$ part of the field.

2) A farmer can reap a field in 10 days while his wife can do it in 8 days. If they work together, in how much time can they they reap the field?

Sol. A farmer can reap a field in = 10 days

In 1 day, he can reap the field $= \dfrac{1}{10}$ days

The farmer's wife can reap the field in = 8 days

In 1 day, she can reap the field $= \dfrac{1}{8}$ days

Both farmer o of them can reap the field in 1 day $= \dfrac{1}{10} + \dfrac{1}{8} =$

$= \dfrac{4+5}{40} = \dfrac{9}{40} = \dfrac{4}{9}$ days