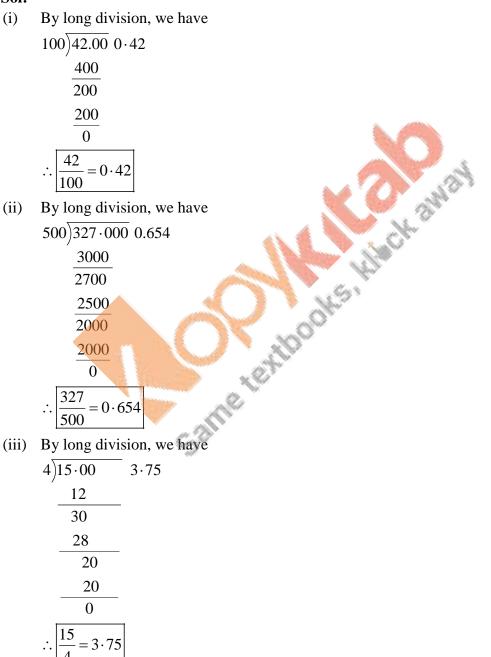
Exercise – 1.2

Express the following rational numbers as decimals:

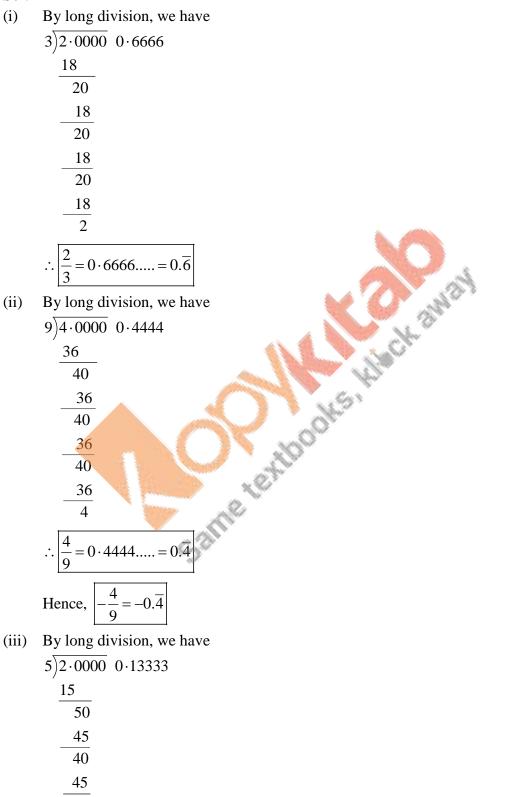
1.

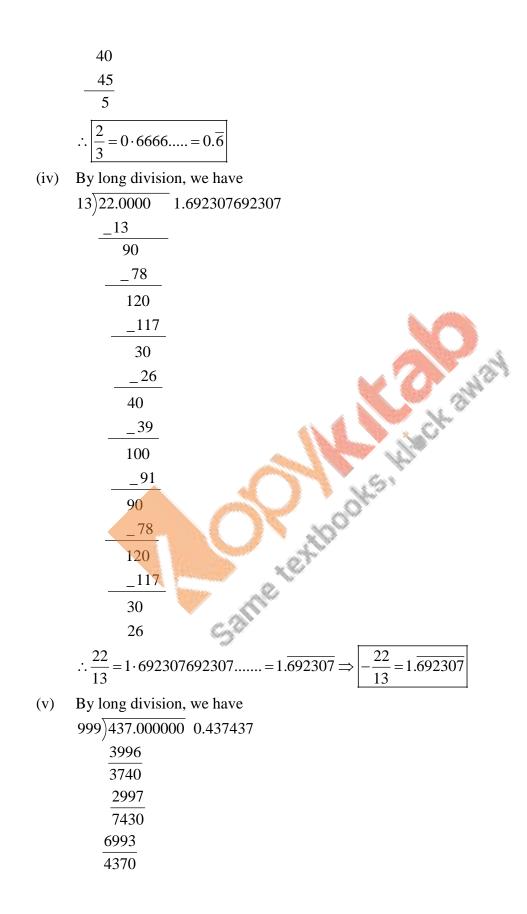
Sol:



2.

Sol:





3996	
3740	
2997	
7430	
6993	
4370	
$\therefore \frac{437}{999} = 0.4374$	$37 = 0.\overline{437}$

(vi) By long division, we have

26)33.000000	00000000 1.2692307692307
26	
70	
_52	
180	He Yes
_156	ALCK SWEY
240	A She
234	Children and Chi
60	the second se
52	100
80	-Other
_78	000.
200	and the
182	
180	Same textbooks the
_156	c.all
240	
_234	
60	
52	
80	
78	
200	
$\frac{-182}{10}$	
18	
$\therefore \frac{33}{26} = 1.2692$	$307698307 = 1.\overline{2692307}$

Sol:

A rational number $\frac{p}{q}$ is a terminating decimal only, when prime factors of q are q and 5 only. Therefore, $\frac{p}{q}$ is a terminating decimal only, when prime factorization of q must have only powers of 2 or 5 or both.

3.