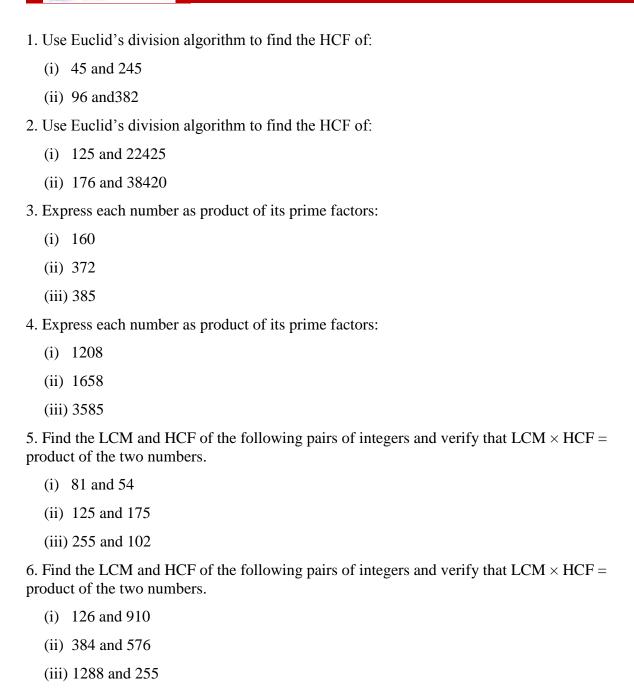
MB1001: Real Number

Practice Assignment 1A



Practice Assignment 1A

7. Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion:

- (i) $\frac{11}{125}$
- (ii) $\frac{15}{16}$
- (iii) $\frac{54}{465}$
- (iv) $\frac{13}{100}$
- (v) $\frac{39}{729}$

8. Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion:

- (i) $\frac{43}{2^45^3}$
- (ii) $\frac{249}{2^35^57^3}$
- (iii) $\frac{7}{216}$
- (iv) $\frac{25}{500}$
- (v) $\frac{67}{510}$

9. Find the LCM and HCF of the following integers by applying the prime factorization method.

- (i) 18, 45 and 27
- (ii) 19, 25 and 31
- (iii) 16, 27 and 125

10. Find the LCM and HCF of the following integers by applying the prime factorization method.

- (i) 120, 150 and 210
- (ii) 34, 51 and 72



MB1001: Real Number

Practice Assignment 1A

- 11. The H.C.F. of two numbers is 12 and their product is 1992. Find their L.C.M.
- 12. The L.C.M. of two numbers is 45 and their product is 855. Find their H.C.F.