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STI - ~~X~~ MATHEMATICS
BOARD MODEL QUESTION PAPER
CHAPTER - 01 [REAL NOS.]

* Problems related to Euclid's
division lemma.

1. Using Euclid's division algorithm,
find HCF of the nos.

(i) 504 and 980 (ii) 196 & 38220.

2. Using Euclid's algorithm, find HCF
of 1651 and 2032 & express the
HCF in the form of $1651m + 2032n$.

3. Using Euclid's algorithm, find HCF
of 234 & 111 and express the HCF
in the form of $234x + 111y$.

4. State Euclid's division lemma.
Also show that cube of any +ve
integer is of the form $9m$, $9m+1$
or $9m+8$, for some integer m .

5. Prove that square of any +ve
is of the form $5m+1$ will leave a
remainder 1 when divided by 5
for some integer m .