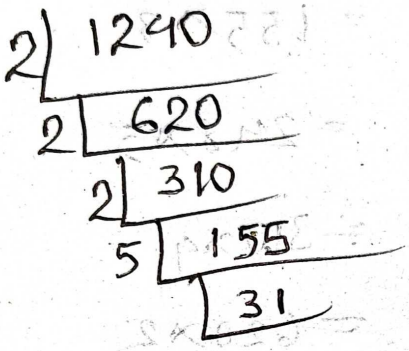
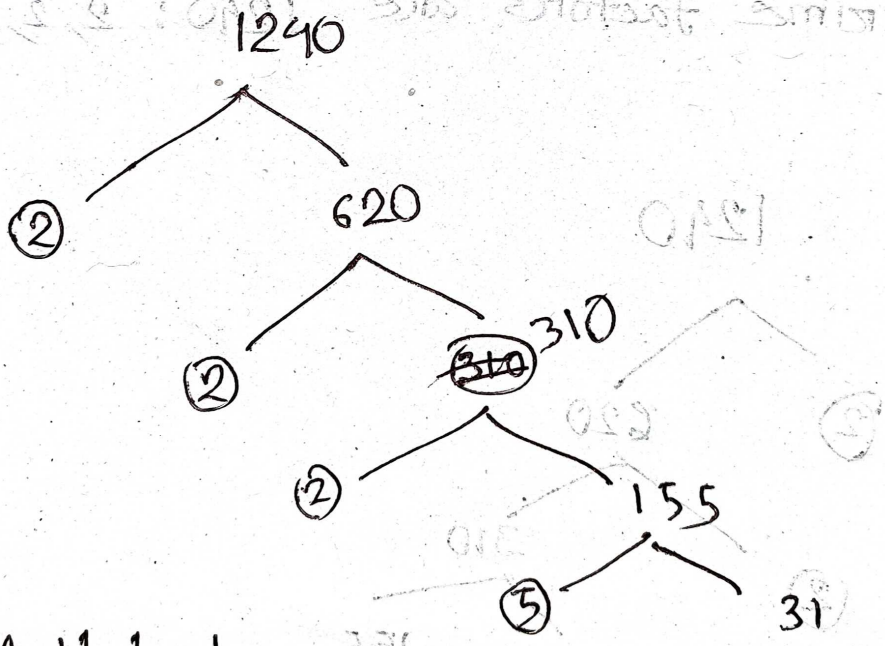
Math Homework

1.

1. Division method



2. Tree Diagram



3. Multiplication Method

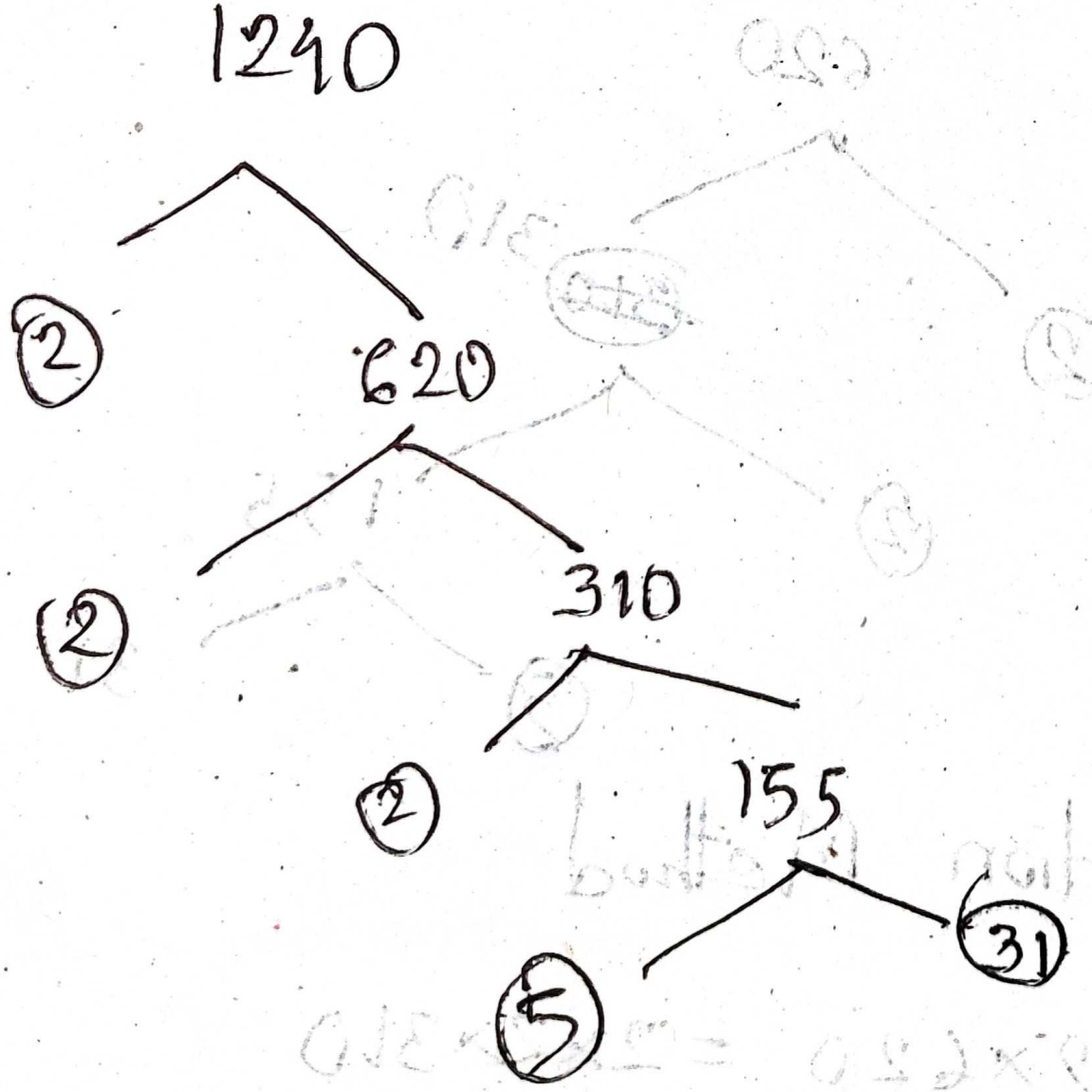
$1240 = 2 \times 620 = 2 \times 2 \times 310$

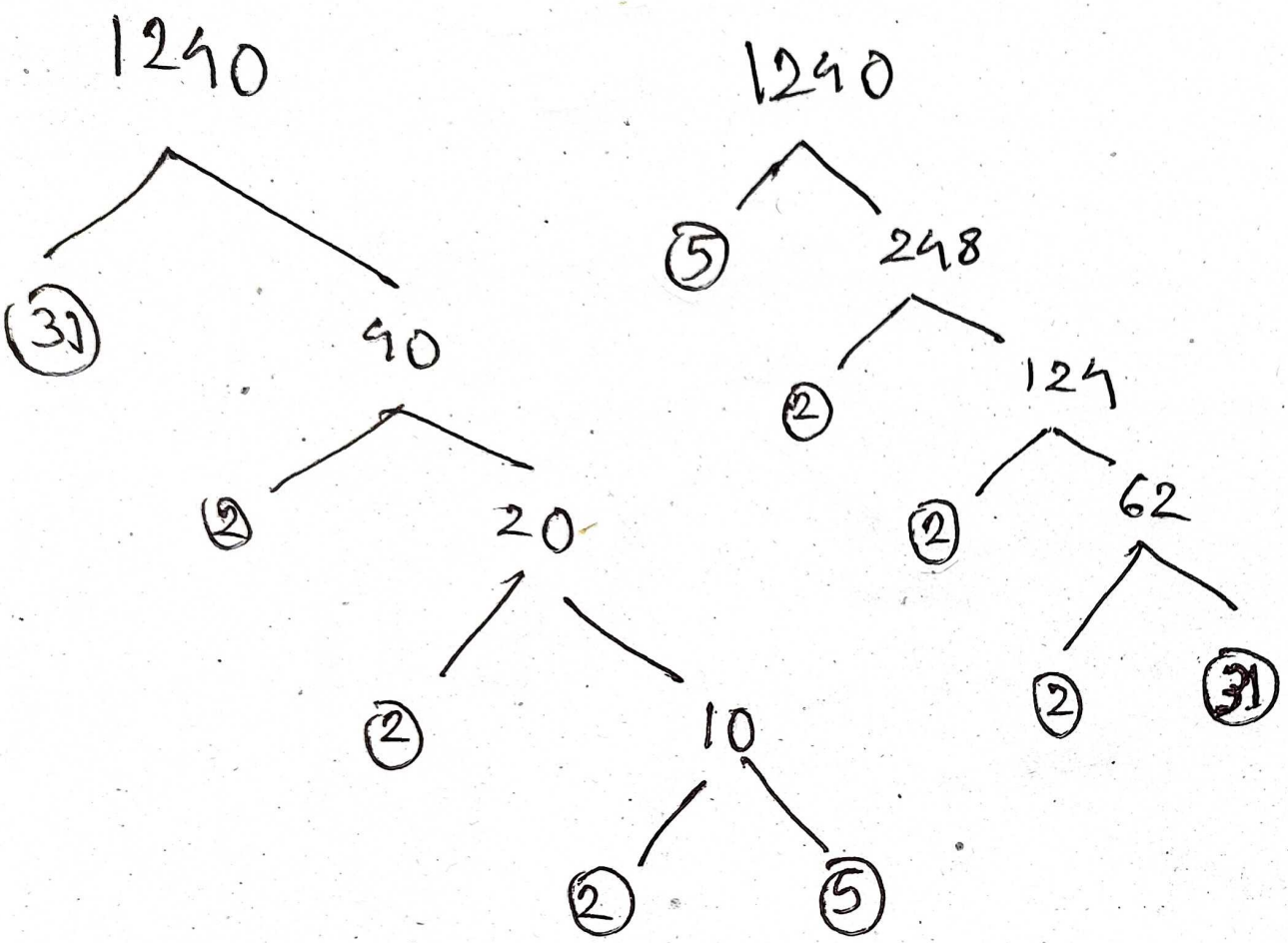
$= 2^2 \times 2 \times 155$

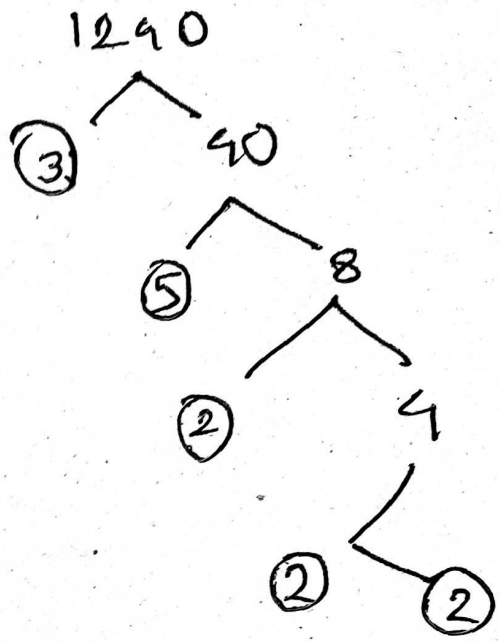
$= 2^3 \times 5 \times 31$

$\therefore 1240 = 2^3 . 5 . 31$

2.







All factors = {1, 2, 4, 5, 8, 10, 20, 31, 60, 62, 124, 155, 248, 310, 620, 1240}

3. $1240 = 1 \times 1240$

$= 2 \times 620$

$= 4 \times 310$

$= 5 \times 248$

$= 8 \times 155$

$= 10 \times 124$

$= 20 \times 62$

$= 31 \times 40$

$= 40 \times 31$

$= 62 \times 20$

$= 124 \times 10$

$= 155 \times 8$

$= 248 \times 5$

$= 310 \times 4$

$= 620 \times 2$

$= 1240 \times 1$

The prime factors are 1240 : 2, 2, 2, 5, 31.