Charter (1) - Greametric Progression (G.P.)
Greneral G.P. is

Greneral G.r. 15

a, a, a, ----

where, a - first tem

8 = Common ratio

 $\frac{t_2}{t_1} = \frac{t_3}{t_2} = ---$ 

non team or Co. 6 is

last tem

O Find the 8th term of G.P.:-

5, 10, 20, ----

N = 8, Q = 5,  $A = \frac{10}{5} = 2$ 

tn = a~n-1

t<sub>8</sub> = 5 (2)<sup>8-1</sup> = 5 (2)<sup>7</sup>

= 5 ×128

= 64e

$$0. - 125 \qquad 0. < 25 \qquad 25 \qquad 25 \qquad - \frac{1}{5}$$

$$v = 6$$

$$t_n = \alpha x^{n-1}$$
 $t_6 = 125 \left( \frac{1}{5} \right)^{6-1} = 125 \times \frac{1}{5^5}$ 

$$=\frac{125}{5^{2}}\times\frac{1}{5^{2}}\times25$$

$$=\frac{1}{25}$$

a@ = 6+ @d

Q4 = Qx3

a = 079

$$\frac{(2) \div (1)}{(2)^{3}} = \frac{384}{484}$$

$$\frac{3}{4} = \frac{3}{8} = 2^{3}$$

From C, 
$$\alpha = 48 \Rightarrow \alpha = \frac{48}{2^{4}} = 3$$

:. G.R is 3, 6, 12, 24. ----

P The first ten of a G.R is 1. The Sum of its third & fifth terms is 90.

Find he common ration

$$\beta = 1$$
,  $\beta = 1$ ,  $\beta$ 

Connon so pio is 3 or -3.

$$\frac{11(B)}{(D)} = -10, \quad 6 = \frac{5\sqrt{13}}{-10} = -\frac{5}{10\sqrt{13}} = -\frac{1}{2\sqrt{3}}$$

2123

$$\frac{48}{\frac{2}{174}} = \frac{1}{144} = \left(-\frac{1}{2\sqrt{3}}\right)^{4} = \frac{1}{144} = \left(-\frac{1}{2\sqrt{3}}\right)^{4}$$

$$= 144 = \left(-\frac{1}{2\sqrt{3}}\right)^{4} = \frac{1}{144} = \left(-\frac{1}{2\sqrt{3}}\right)^{4}$$