

Ex. 2 $\gcd(143, 29)$

$$143 = \underline{29}(4) + \underline{27}$$

$$29 = \underline{27}(1) + \underline{2}$$

$$27 = \underline{2}(13) + \underline{1}$$

$$2 = \underline{1}(2) + 0$$

↓

$$\therefore \gcd(143, 29) = 1$$

Ex. 2 $\gcd(132, 36)$

$$132 = 36(3) + 24$$

$$36 = 24(1) + 12$$

$$24 = \underline{12}(2) + 0$$

$$\therefore \gcd(132, 36) = 12$$