

VII Ex-6.2

Proportion

1) Check whether the following numbers are proportion or not.

(i) $3, 3\frac{1}{2}, 4, 4\frac{1}{2}$

$$1^{\text{st}} \times 4^{\text{th}} = 3 \times 4\frac{1}{2}$$

$$= 3 \times \frac{9}{2}$$

$$= \frac{27}{2}$$

$$2^{\text{nd}} \times 3^{\text{rd}} = 3\frac{1}{2} \times 4$$

$$= \frac{7}{2} \times 4$$

$$= 14$$

$$\therefore 1^{\text{st}} \times 4^{\text{th}} \neq 2^{\text{nd}} \times 3^{\text{rd}}$$

These numbers are not proportional.

(ii) $0.1, 0.2, 0.3, 0.6$

$$1^{\text{st}} \times 4^{\text{th}} = 0.1 \times 0.6 = 0.06$$

$$2^{\text{nd}} \times 3^{\text{rd}} = 0.2 \times 0.3 = 0.06$$

$$\therefore 1^{\text{st}} \times 4^{\text{th}} = 2^{\text{nd}} \times 3^{\text{rd}}$$

These numbers are proportional.