

Name \_\_\_\_\_  
(Class-VI)

Roll No. \_\_\_\_\_  
[Math SA-II]

## Worksheet - 13

### Class VI

### Chapter - 12 (Ratio and Proportion)

1. Fill in the blanks :

i) Ratio of 20 minutes to 2 hrs.

ii)  $\frac{24}{18} = \frac{\square}{3} = \frac{8}{\square}$

iii) Are 13, 39, 7, 21 is proportion ? \_\_\_\_\_

2. Match the following :-

If a, b, c, d are first, second, third and forth term of proportion, then

- |                                |                                   |
|--------------------------------|-----------------------------------|
| i) first and fourth terms are  | a) Product of middle values (b×c) |
| ii) Second and third terms are | b) extreme values                 |
| iii) product of extremes (a×d) | c) middle values.                 |

3. MCQ

i) The ratio of 60cm to 1.5 meter is

- |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|
| a) $\frac{3}{5}$ | b) $\frac{2}{5}$ | c) $\frac{4}{5}$ | d) $\frac{1}{5}$ |
|------------------|------------------|------------------|------------------|

ii) If cost of one book is ₹15, cost of 9 books will be

- |         |         |         |         |
|---------|---------|---------|---------|
| a) ₹108 | b) ₹120 | c) ₹135 | d) ₹150 |
|---------|---------|---------|---------|

iii) If  $x : 32 :: 4 : 16$ , then value of x is

- |       |      |      |       |
|-------|------|------|-------|
| a) 16 | b) 8 | c) 4 | d) 15 |
|-------|------|------|-------|

4. Solve

i) Divide 50 pens in the ratio 2 : 3 \_\_\_\_\_

ii) The length and breadth of a rectangular field are in the ratio 4 : 5. If length is 20m, find breadth of the field.

iii) If the cost of 12m of cloth is ₹300, find the cost of 8m cloth.