

Class-5

Subject-Mathematics

Chapter-11

Measurement

Lecture-1

Solution

**1. Calculate the following addition and subtraction, and express the answer using the units in the bracket:**

**a.**  $3042\text{m} + 2078\text{m}$  (km, hm, dam)

**b.**  $8520\text{m} - 3490\text{m}$  (km, hm, dam)

**Solution:**

a)  $3042\text{m} + 2078\text{m}$

$= 5120\text{m}$

$= (5120 \div 1000) \text{ km } [\because 1 \text{ m} = \frac{1}{1000} \text{ km}]$

$= 5\text{km} + 120\text{m}$

$= 5\text{km} + (120 \div 100) \text{ hm } [\because 1 \text{ m} = \frac{1}{100} \text{ hm}]$

$= 5\text{km} + 1\text{hm} + 20\text{m}$

$= 5\text{km} + 1\text{hm} + (20 \div 10) \text{ dam } [\because 1 \text{ m} = \frac{1}{10} \text{ dam}]$

$= 5\text{km} + 1\text{hm} + 2\text{dam}$

$$= 5\text{km } 1\text{hm } 2\text{dam}$$

Ans: 5km 1hm 2dam.

$$\text{b) } 8520\text{m} - 3490\text{m}$$

$$= 5030\text{m}$$

$$= (5030 \div 10) \text{ dam } [\because 1 \text{ m} = \frac{1}{10} \text{ dam}]$$

$$= 503\text{dam}$$

$$= (503 \div 10)\text{hm} [\because 1 \text{ dam} = \frac{1}{10} \text{ hm}]$$

$$= 50\text{hm} + 3\text{dam}$$

$$= (50 \div 10)\text{km} + 3\text{dam} [\because 1 \text{ hm} = \frac{1}{10} \text{ km}]$$

$$= 5\text{km} + 0\text{hm} + 3\text{dam}$$

$$= 5\text{km } 3\text{dam}$$

Ans: 5km 3dam.