Using **decimals** in **addition, subtraction, multiplication, and division** is essential in **disaster management** when working with **money, measurements, quantities, and rates**. Accurate decimal operations help in budgeting, planning, distributing, and reporting during emergencies.

Here's how each operation is used with **practical examples**:

🔷 1. Addition of Decimals

🔹 **Use: Combining amounts such as money, weights, or distances.**

✅ **Example:**

A rescue boat travels **12.75 km** in the morning and **8.6 km** in the evening.

$$12.75 + 8.6 = 21.35 \text{ km}$$

➡️ The total distance traveled = **21.35 km**

🔷 2. Subtraction of Decimals

- ◆ **Use: Finding what's left or difference in quantities.**

✅ **Example:**

A shelter had **250.5 liters** of drinking water. After a day, **87.75 liters** were used.

$$250.5 - 87.75 = 162.75 \text{ liters}$$

➡️ Remaining water = **162.75 liters**

🔷 3. Multiplication of Decimals

- ◆ **Use: Calculating total quantities or costs.**

✅ **Example:**

Each food pack costs **$13.25**. You need to buy **40 packs**.

$$13.25 \times 40 = 530.00$$

➡️ Total cost = **$530.00**

🔷 4. Division of Decimals

🔹 Use: Sharing or calculating unit quantities.

✅ Example:

A tanker has **360.5 liters** of fuel. It needs to be shared equally among **5 vehicles**.

$$360.5 \div 5 = 72.1 \text{ liters per vehicle}$$

➡️ Each vehicle gets **72.1 liters**

✅ More Real-Life Decimal Examples in Disaster Management:

Scenario	Operation	Example	Answer	Use
Distance traveled	Addition	7.45 + 5.6 km	13.05 km	Track rescue missions
Medicine left	Subtraction	5.25 − 2.5 ml	2.75 ml	Plan next dose
Cost of masks	Multiplication	2.75 × 150	$412.50	Budget for supplies
Food per person	Division	125.5 ÷ 10 kg	12.55 kg	Ration food fairly

🧮 Why Decimals Matter in Disaster Response:

- **Precise measurements** for fuel, water, food, medicine
- **Accurate money handling** during relief spending
- **Fair distribution** of resources
- **Time and distance tracking** for rescue teams