Estimating Difference

Understanding Estimating Difference

- Estimating difference means finding an approximate answer to a subtraction problem.
- It helps to get a quick idea of how much one value is less than the other.
- Useful in real-life when exact calculation is not needed.
- We round off the numbers to the nearest 10, 100, or simple value before subtracting.
- It makes mental math faster and easier.

Steps to Estimate Difference

- **Step 1:** Round both numbers to the nearest 10, 100, or whole
- **Step 2:** Subtract the rounded numbers
- **Step 3:** Write the estimated answer clearly

Mixed Examples with Solutions

Example: Estimate the difference between 78 kg and 31 kg

Solution: 78 → 80,

31 → 30 → 80 − 30 = 50

Estimated difference = 50 kg

Example: Estimate the difference between 195 cm and 108 cm

Solution: 195 → 200,

108 → 110 → 200 − 110 = 90

Estimated difference = 90 cm

Example: Estimate the difference between 1.9 l and 0.8 l

Solution: 1.9 → 2 l,

0.8 → 1 l → 2 − 1 = 1

Estimated difference = 1 l

Example: Estimate the difference between 437 m and 212 m

Solution: 437 → 400,

212 → 200 → 400 − 200 = 200

Estimated difference = 200 m

Example: Estimate the difference between 960 ml and 420 ml

Solution: 960 → 1000,

420 → 400 → 1000 − 400 = 600

Estimated difference = 600 ml

Summary Points

- Estimating difference means getting a close answer by subtracting rounded numbers.
- Helps in checking reasonableness and making fast decisions.
- Round numbers before subtracting.
- Estimation is useful in shopping, measuring, and comparing.
- Practice improves speed and accuracy in estimation.