



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: $78 \rightarrow 80$,

$$31 \rightarrow 30 \rightarrow 80 - 30 = 50$$

Estimated difference = 50 kg

Example: Estimate the difference between 195 cm and 108 cm

Solution: $195 \rightarrow 200$,

$$108 \rightarrow 110 \rightarrow 200 - 110 = 90$$

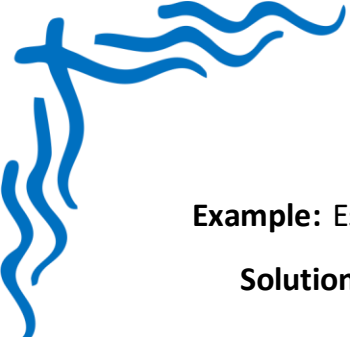
Estimated difference = 90 cm

Example: Estimate the difference between 1.9 l and 0.8 l

Solution: $1.9 \rightarrow 2$ l,

$$0.8 \rightarrow 1 \text{ l} \rightarrow 2 - 1 = 1$$

Estimated difference = 1 l



Example: Estimate the difference between 437 m and 212 m

Solution: $437 \rightarrow 400$,

$$212 \rightarrow 200 \rightarrow 400 - 200 = 200$$

Estimated difference = 200 m

Example: Estimate the difference between 960 ml and 420 ml

Solution: $960 \rightarrow 1000$,

$$420 \rightarrow 400 \rightarrow 1000 - 400 = 600$$

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.