

Estimation

Chapter 2: Estimation · Topic 1

Key Concept

We estimate by rounding numbers to the nearest ten, hundred, or another convenient value, making calculations quicker and simpler.

For example, estimating $48 + 31$ might mean rounding to $50 + 30 = 80$, giving us a quick approximate answer.

Estimation is useful for quickly checking if an exact calculated answer seems reasonable or if there might be an error.

We use estimation in daily life, like guessing the total cost of groceries or estimating travel time.

Quick Revision Notes

- Estimation finds an approximate value.
- We estimate by rounding numbers.
- Rounding to nearest ten or hundred is common.
- $48+31$ rounds to $50+30=80$.
- Estimation helps check if answers are reasonable.
- It can catch calculation errors.
- We use estimation in daily life.
- Examples: grocery costs, travel time.

Practice Questions

- 1 Estimate the sum of $67+24$.
- 2 Round 83 to the nearest ten.
- 3 Estimate the total cost of three items.
- 4 Discuss when estimation is useful in daily life.
- 5 Estimate $198+305$ by rounding.
- 6 Compare an estimated answer to the exact one.