

IOA Calculation Worksheets

Practice and score interobserver agreement using common formulas

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Core IOA Formulas

Method	Formula	Best Use
Total count IOA	$\text{Smaller count} \div \text{larger count} \times 100$	Quick comparison of event counts
Exact count-per-interval	$\text{Intervals with exact match} \div \text{total inter}$	Discrete interval-by-interval agreement
Trial-by-trial IOA	$\text{Agreements} \div \text{trials} \times 100$	Prompted teaching trials
Mean duration-per-occurrence	$\text{Shorter duration} \div \text{longer duration} \times 100$	Duration measures
Occurrence / nonoccurrence IOA	Matched occurrence or nonoccurrence inte	Interval methods

Worked Practice

Scenario	Observer A	Observer B	IOA %
Frequency count during math			
Interval recording during reading			
Duration of escalation episode			
Trial-by-trial compliance session			

Scoring Checklist

- Both observers used the same operational definition
- Observation windows matched exactly
- The correct IOA formula was chosen for the data type
- Low agreement was reviewed before collecting more data

Additional practice problems or corrections

Check Observer Consistency Automatically

Classroom Pulse helps teams compare observers, calculate IOA, and flag low agreement before bad data drives decisions.

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