Teacher Answer Key

Case Study

1. The paper pizzas revealed that students treated denominators like numerators, showing they applied whole-number schemas to fractions.

2. Students who found a common denominator and revised their addition strategy demonstrated schema accommodation.

Multiple Choice

1. D

2. A

3. C

Matching

1-D, 2-C, 3-B, 4-E, 5-A

Fill-in-the-Blank

1) Sensorimotor, 2) Explain new data, 3) Abstract

Short Answer (Sample Responses)

Q1: Peer discussion exposed misconceptions and provided social feedback, prompting students to revise schemas.

Q2: Stage ages may vary individually and culturally; some children show mixed-stage reasoning.

Q3: Teachers can use concrete manipulatives, guided questioning, and gradually shift to symbolic representations.