GRADE 3 MATHEMATICS

CHAPTER 1 | TEACHER GUIDE AND ANSWERS

Grade 3 Mathematics Chapter 1 | Teacher Guide and Answers

Companion to Grade 3 Student Workbook . Keep student questions and teacher answers separate. Grade placement should depend on verified prerequisite mastery, not age. This is an original pilot, not an officially certified standards-complete Grade 3 curriculum.

Teaching Routine

- Warm-up with oral place-value questions or four review problems.
- Explain and model the day-s concept using place-value drawings or manipulatives.
- Complete two guided examples and ask the learner to explain each regroup or comparison.
- Assign the 20 independent problems plus four spiral reviews, then discuss one challenge.
- Record specific errors and reteach with new numbers, not by supplying the memorized answer.

Day 1: Place Value

Independent questions 1 through 20:

- 1. 4,000+300+9
- 2. 8,000+70
- 3. 2,000+500+6
- 4. 6,452
- 5. 9,035
- 6. 7,000
- 7. 700
- 8. 70
- 9. five thousand eighteen
- 10. 4,062
- 11. 3,504 < 3,540
- 12. 8,299 < 8,302

- 13. 6,060 > 6,006
- 14. 4,109;4,190;4,901
- 15. 7,570;7,507;7,057
- 16. 3,950
- 17. 5,990
- 18. 2
- 19. False: 9,009 has 0 hundreds
- 20. 5,042 has 4 tens versus 5,024 has 2 tens

Spiral review answers:

- 85
- 54
- 18
- 20

Day 2: Rounding

Independent questions 1 through 20:

- 1. 50
- 2. 60
- 3. 90
- 4. 120
- 5. 180
- 6. 300
- 7. 500
- 8. 600
- 9. 800
- 10. 1,200
- 11. 3,000
- 12. 3,500
- 13. 400
- 14. 800

- 15. 600
- 16. 90
- 17. 300
- 18. False, usual rounding gives 500
- 19. 620,621,622,623 or 624
- 20. Reasonable estimates check magnitude and detect errors

Spiral review answers:

- 600
- 4,027 < 4,072
- 28
- 52

Day 3: Addition

Independent questions 1 through 20:

- 1. 624
- 2. 753
- 3. 643
- 4. 904
- 5. 793
- 6. 927
- 7. 1,110
- 8. 805
- 9. 3,615
- 10. 5,091
- 11. 4,394
- 12. 7,025
- 13. 4,000
- 14. 7,810
- 15. 6,047
- 16. 900 estimate, exact 883

- 17. 900 estimate, exact 919
- 18. 634 books
- 19. 3,103 visitors
- 20. Wrong: 786+328=1,114, not 1,014

Spiral review answers:

- 680
- 400
- 27
- 38

Day 4: Subtraction

Independent questions 1 through 20:

- 1. 437
- 2. 428
- 3. 326
- 4. 443
- 5. 524
- 6. 618
- 7. 1,045
- 8. 2,224
- 9. 3,534
- 10. 2,625
- 11. 1,663
- 12. 3,269
- 13. 2,326
- 14. 501
- 15. 4,338
- 16. 549; 549+358=907
- 17. 400 estimate; 456 exact
- 18. 517 books

- 19. 462 seats
- 20. Wrong: 500-236=264, not 364

Spiral review answers:

- 737
- 500
- 42
- 6,409 < 6,490

Day 5: Chapter Test

Independent questions 1 through 20:

- 1. 6,000+500+2
- 2. 4,760 > 4,706
- 3. 690
- 4. 1,300
- 5. 843
- 6. 4,063
- 7. 326
- 8. 1,024
- 9. 56
- 10. 8
- 11. 45 stickers
- 12. 8 students per group
- 13. 624 visitors
- 14. 435 liters
- 15. 34 apples
- 16. 42 books
- 17. $357
- 18. 29 occupied
- 19. 3,590 greater
- 20. about 700-300=400; exact 407

Spiral review answers:

- 8,000
- 94
- 33
- 16,20

Instructional Scoring

Check whether an error comes from place value, regrouping, missing units, choosing the wrong operation, or a calculation slip. A score of at least 17/20 on Day 5 can be an internal signal to extend, but it is not an Alabama assessment cut score or proof of full grade proficiency. Reassess weak objectives with changed values.