

Study Guide 17, Course 2

Answer Section

MULTIPLE CHOICE

- ANS: C PTS: 1 REF: Lesson 53: Ratio Word Problems
NAT: NCTM NO.3d | NCTM AL.2c | NCTM DP.4c TOP: Benchmark Test 2
MSC: C2_S06_00067
- ANS: B PTS: 1 REF: Lesson 66: Ratio Problems Involving Totals
NAT: NCTM NO.3d MSC: C2_S07_00023
- ANS: D PTS: 1 REF: Lesson 72: Implied Ratios
NAT: NCTM NO.2a | NCTM NO.3a | NCTM NO.1g | NCTM PS.1c | NCTM NO.3d
TOP: Benchmark Test 3 MSC: C2_S08_00070
- ANS: B PTS: 1 REF: Lesson 81: Using Proportions to Solve Percent Problems
NAT: NCTM NO.1a | NCTM AL.2a | NCTM AL.2c TOP: Benchmark Test 3
MSC: C2_S09_00061
- ANS: B PTS: 1 REF: Investigation 7: Balanced Equations
NAT: NCTM PS.1c | NCTM AL.2a TOP: Benchmark Test 3
MSC: C2_S07_00051
- ANS: C PTS: 1 REF: Investigation 7: Balanced Equations
NAT: NCTM PS.1c | NCTM AL.2a TOP: Benchmark Test 3
MSC: C2_S07_00052
- ANS: A PTS: 1 REF: Lesson 61: Area of a Parallelogram; Angles of a Parallelogram
NAT: NCTM AL.2c | NCTM GM.1a | NCTM ME.1c TOP: Benchmark Test 3
MSC: C2_S07_00053
- ANS: A PTS: 1 REF: Lesson 70: Volume
NAT: NCTM ME.2d MSC: C2_S07_00050
- ANS: D PTS: 1 REF: Lesson 83: Multiplying Numbers in Scientific Notation
NAT: NCTM PS.1c TOP: End-of-Course Exam
MSC: C2_S09_00065
- ANS: C PTS: 1 REF: Lesson 63: Symbols of Inclusion
NAT: NCTM NO.3d | NCTM NO.3b | NCTM DP.4c TOP: Benchmark Test 3
MSC: C2_S07_00054
- ANS: A PTS: 1 REF: Lesson 68: Algebraic Addition
NAT: NCTM PS.1c TOP: Benchmark Test 3
MSC: C2_S07_00059

NUMERIC RESPONSE

- ANS: 80

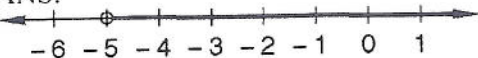
PTS: 1 REF: Lesson 50: Unit Multipliers and Unit Conversion
NAT: NCTM PS.1c | NCTM AL.2c TOP: Cumulative Test 11
MSC: C2_S05_00100
- ANS: 113.04

PTS: 1 REF: Lesson 82: Area of a Circle NAT: NCTM AL.4a | NCTM CN.1c

PROBLEM

14. ANS:
 (a) 77
 (b) 75
 (c) 60, 70, 80
 (d) 40

PTS: 1 REF: Investigation 4: Stem-and-Leaf Plots, Box-and-Whisker Plots
 NAT: NCTM DP.2a TOP: Cumulative Test 17
 MSC: C2_S04_00137

15. ANS:


PTS: 1 REF: Lesson 78: Graphing Inequalities
 NAT: NCTM NO.2a | NCTM ME.1c | NCTM DP.4c TOP: Cumulative Test 16
 MSC: C2_S08_00101

16. ANS:
 $-3gr + 2g$

PTS: 1 REF: Lesson 84: Algebraic Terms NAT: NCTM AL.2d
 MSC: C2_S09_00045

17. ANS:
 (a) $\frac{3}{25}$
 (b) 0.12
 (c) 0.04
 (d) 4%

PTS: 1 REF: Lesson 48: Fraction-Decimal-Percent Equivalents
 NAT: NCTM NO.1a | NCTM CN.1c TOP: Cumulative Test 12
 MSC: C2_S05_00110

18. ANS:
 parallelogram; 49 cm

PTS: 1 REF: Investigation 6: Classifying Quadrilaterals
 NAT: NCTM CN.1c | NCTM CM.1b TOP: Cumulative Test 17
 MSC: C2_S06_00102

19. ANS:
 (a) 30 eggs
 (b) $83\frac{1}{3}\%$

PTS: 1 REF: Lesson 71: Finding the Whole Group When a Fraction Is Known
 NAT: NCTM NO.2a | NCTM NO.3a | NCTM AL.2a | NCTM AL.2c
 TOP: Cumulative Test 20 MSC: C2_S08_00097

20. ANS:

x	y
0	1
1	3
2	5
3	7

PTS: 1 REF: Lesson 56: Plotting Functions
NAT: NCTM PS.1c | NCTM NO.3d | NCTM AL.1a | NCTM GM.2
TOP: Cumulative Test 12 MSC: C2_S06_00106