Name: Key Date: _____

Cumulative Review

for Chapters 1 and 2

Concepts and Skills

Write each number in standard form. *(Lesson 1.1)*

1. One hundred thousand, seventy 100,070

2. Five hundred sixty thousand 560,000

3. Five million, eighty thousand, five 5,080,005

4. Two million, four hundred thousand, seven hundred twenty 2,400,720

Write each number in word form. *(Lesson 1.1)*

5. 120,450 One hundred twenty thousand, four hundred fifty

6. 500,312 Five hundred thousand, three hundred twelve

7. 1,050,400 One million, fifty thousand, four hundred

8. 5,732,800 Five million, seven hundred thirty-two thousand, eight hundred

Complete. *(Lesson 1.2)*

In 1,238,906:

9. the digit 8 stands for 8,000.

10. the digit 9 stands for 900.

11. the digit 1 stands for 1,000,000.

State the value of the digit 3 in each number. *(Lesson 1.2)*

12. 538,426: 30,000 **13.** 1,325,407: 300,000

Complete. *(Lesson 1.2)*

14. In 807,456, the digit 7 is in the thousands place.

15. In 5,486,302, the digit 5 is in the millions place.

16. In 305,128, the digit 0 is in the ten thousands place.

17. In 7,614,892, the digit 6 is in the hundred thousands place.

18. 918,230 = 900,000 + 10,000 + 8,000 + 200 + 30

19. 538,417 = 500,000 + 30,000 + 8,000 + 400 + 10 + 7

20. 6,000,000 + 30,000 + 90 = 6,030,090

Fill each ◯ with > or <. *(Lesson 1.3)*

21. 185,263 (>) 183,256 **22.** 5,060,345 (>) 995,863

23. 899,506 (<) 900,650 **24.** 231,623 (>) 231,621

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Order the number from greatest to least. *(Lesson 1.3)*

25. 528,010 (3) 1,280,500 (1) 258,100 (4) 528,100 (2)

1,280,500 528,100 528,010 258,100

Find the rule. Then complete the number pattern. *(Lesson 1.3)*

26. 276,300 286,300 296,300 306,300 316,300

Rule: Count by 10,000

Estimate by rounding. *(Lesson 1.4)*

27. 7,512 + 3,281 8,000 + 3,000 = 11,000

28. 6,528 − 5,938 7,000 − 6,000 = 1,000

29. 1,592 × 5 2,000 × 5 = 10,000

30. 2,576 ÷ 3 3,000 ÷ 3 = 1,000
or 2,700 ÷ 3 = 900

Estimate using front-end estimation with adjustment. *(Lesson 1.4)*

31. 4,087 + 3,910 + 9,125

4,000 + 3,000 + 9,000 = 16,000

0 + 900 + 100 = 1,000

17,000

Estimate using front-end estimation with adjustment. *(Lesson 1.4)*

32. 8,685 + 6,319 + 7,752

8,000 + 6,000 + 7,000 = 21,000

600 + 300 + 700 = 1,600 → 2,000

23,000

33. 5,879 − 1,143

5,000 - 1,000 = 4,000

800 - 100 = 700 → 1,000

5,000

34. 7,974 − 2,660

7,000 - 2,000 = 5,000

900 - 600 = 300 → 0

5,000

Complete. Remember to write the correct units in your answers. You may use your calculator where necessary. *(Lesson 2.1)*

35. Find the area of a square that has sides of length 96 inches.

96 × 96 = 9,216

9,216 in^2

36. Ms. Suarez has $5,651. Mr. Knox. has $853 more than Ms. Suarez. How much does Mr. Knox have?

$5,651
+ 853
$6,504

$6,504

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Complete. Remember to write the correct units in your answers. You may use your calculator where necessary. *(Lesson 2.1)*

37. There are 176 gallons of gas in Tank A. There are 19 gallons less gas in Tank B. How many gallons of gas are there in Tank B?

176 - 19 = 157

157 gallons

38. A truck is loaded with 25 similar crates. The total weight of the crates is 2,000 pounds. What is the weight of each crate?

2,000 ÷ 25 = 80

80 pounds

Multiply. *(Lesson 2.2)*

39. 315 × 10 = 3,150

40. 25 × 100 = 2,500

41. 238 × 1,000 = 238,000

42. 147 × 50 = 7,350

(147 × 5 × 10
735 × 10)

43. 63 × 200 = 12,600

(63 × 2 × 100
126 × 100)

44. 906 × 7,000 = 6,342,000

(906 × 7 × 1000
6342 × 1000)

Estimate by rounding. *(Lesson 2.2)*

45. $41 \times 58 =$ 40 × 60 = 2,400

46. $297 \times 32 =$ 300 × 30 = 9,000

47. $1{,}087 \times 21 =$ 1,000 × 20 = 20,000

48. $4{,}975 \times 78 =$ 5,000 × 80 = 400,000

Multiply. Estimate to check if your answers are reasonable. *(Lesson 2.3)*

49. $82 \times 45 =$ 3,690

(80 × 40 = 4,000)

50. $78 \times 21 =$ 1,638

(80 × 20 = 1600)

51. $275 \times 59 =$ 16,225

(300 × 60 = 18,000)

52. $738 \times 96 =$ 70,848

(700 × 100 = 70,000)

Name: _____ Date: _____

Multiply. Estimate to check if your answers are reasonable. *(Lesson 2.3)*

53. 4,672 × 73 = 341,056 **54.** 8,781 × 26 = 228,306

(5,000 × 70 = 350,000) (9,000 × 30 = 270,000)

Divide. *(Lesson 2.4)*

55. 3,560 ÷ 10 = 356 **56.** 1,900 ÷ 100 = 19

57. 17,000 ÷ 1,000 = 17 **58.** 900 ÷ 60 = 15

59. 96,000 ÷ 400 = 240 **60.** 504,000 ÷ 9,000 = 56

Estimate. *(Lesson 2.4)*

61. 4,593 ÷ 53 4,500 ÷ 50 = 90

62. 6,298 ÷ 164 6,000 ÷ 200 = 30

63. 7,623 ÷ 4,451 8,000 ÷ 4,000 = 2

64. 4,239 ÷ 73 4,200 ÷ 70 = 60

Divide. *(Lesson 2.5)*

65. 96 ÷ 16 = 6

66. 57 ÷ 23 = 2 R. 11

67. 459 ÷ 27 = 17

68. 503 ÷ 15 = 33 R. 8

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Divide. *(Lesson 2.5)*

69. 9,229 ÷ 17 = 542 R. 15 **70.** 4,749 ÷ 46 = 103 R. 11

Simplify. *(Lesson 2.6)*

71. 60 + 12 − 36 = 36

72 - 36

36

72. 10 × 9 ÷ 3 = 30

90 ÷ 3

30

73. 29 + 42 ÷ 6 = 36

29 + 7

36

74. (90 − 85) × 7 = 35

5 × 7

35

75. 50 × 8 + 12 ÷ 4 = 403

400 + 12 ÷ 4

400 + 3

403

76. 69 ÷ 3 − 3 + 10 = 30

23 - 3 + 10

20 + 10

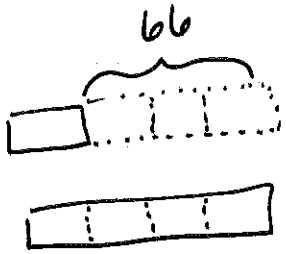
30

Problem Solving

Solve. Show your work.

77. Tony had an equal number of cranberry bars and walnut bars. He gave away 66 cranberry bars. He then had 4 times as many walnut bars as cranberry bars left. How many bars did he have at first?

After:



66 ÷ 3 = 22

22 × 8 = 176

Tony had 176 bars at first.

78. Mrs. Turner had 20 yards of fabric at first. She made 5 similar curtains. She used 3 yards of fabric for making each curtain. Then she used another 2 yards of fabric to make a cushion cover. How much fabric does she have left?

5 curtains × 3 yds = 15 yds

cushion cover = 2 yds

20 − 17 = 3 yds

She has 3 yds of fabric left.

Name: _____ Date: _____

Solve. Show your work.

79. At a school fair, a fifth-grade class sold 25 liters of orange juice. The orange juice was sold in cups containing 200 milliliters and 300 milliliters. An equal number of cups containing 200 milliliters and 300 milliliters were sold. How many cups of orange juice did the class sell?

25 L = 25,000 mL

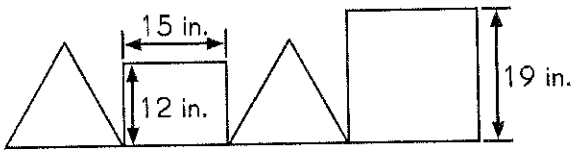
200 + 300 = 500 mL

25,000 ÷ 500 = 50

2 × 50 = 100

The class sold 100 cups of orange juice.

80. Mikhail used 220 inches of wire to make this figure.



The figure is made up of two identical triangles, a 15-inch by 12-inch rectangle and a square of side 19 inches. What is the length of one side of each triangle if all the sides of the triangles are equal in length?

Rectangle = 15 + 12 + 15 + 12 = 54 in

Square = 19 × 4 = 76 in

220 − (54 + 76) = 90 in

2 triangles = 6 sides

90 ÷ 6 = 15 in

Each side is 15 in.

Solve. Show your work.

81. A shop owner bought 260 handbags at 5 for $25. She then sold all of them at 2 for $18. How much money did she make?

260 ÷ 5 = 52

52 x $25 = $1,300

She bought the bags for $1,300.

260 ÷ 2 = 130

130 x $18 = $2,340

She sold them for $2,340.

$2,340 - $1,300 = $1,040

She made $1,040.

82. Alan scored a total of 14 points for answering all the 15 questions on a math quiz. For every correctly answered question, Alan got 2 points. For every wrong answer, he lost 2 points. How many questions did he answer correctly?

15 questions

Correct	Wrong	Score
8	7	16 - 14 = 2
9	6	18 - 12 = 6
10	5	20 - 10 = 10
11	4	22 - 8 = 14

He answered 11 questions correctly.

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Solve. Show your work.

83. Beth and Lewis buy the same amount of fish pellets. If Beth feeds her goldfish 14 fish pellets each day, a container of pellets will last 20 days. If Lewis feeds his goldfish 8 fish pellets each day, how many more days will the container of pellets last Lewis' goldfish?

$14 \times 20 = 280$

$280 \div 8 = 35$

$35 \text{ days} - 20 \text{ days} = 15$

The container will last 15 more days.

84. Joan can pick 9 pounds of strawberries in one hour.

a. How long does she take to pick 72 pounds of strawberries?

$72 \text{ lbs} \div 9 \text{ lbs} = 8$

Joan takes 8 hrs to pick 72 lbs.

b. Joan is paid $12 per hour. How much does Joan earn if she picks twice the total weight of strawberries?

$8 \text{ hrs} \times 2 = 16 \text{ hrs}$

$16 \times \$12 = \$192$

Joan earns $192.

Solve. Show your work.

85. There are 2,488 students in Washington School. There are 160 more students in Kent School. The number of students in Bellow School is half the total number of students in Washington School and Kent School. How many students are there in Bellow School?

2,488 + 160 = 2,648

2,488 + 2,648 = 5,136

5,136 ÷ 2 = 2,568

There are 2,568 students in Bellow School.

86. Jasmine mixes 1,250 milliliters of syrup with twice as much water to make lemonade. She then pours the lemonade equally into 15 glasses. How much lemonade does each glass contain? Give your answer in milliliters.

1,250 × 2 = 2,500 mL water

1,250 + 2,500 = 3,750 mL

3,750 ÷ 15 = 250 mL

Each glass has 250 mL of lemonade.