Write the number in words.
1) 64,568,009

Write expanded notation.
2) 40,850

Add.
3) 2113 + 1425

Subtract.
4) 8467 – 3694

Multiply.
5) 296 \times 83

Divide.
6) 858 \div 47

Solve the problem.
7) 255 chocolates are to be packed into boxes each of which will contain 11 chocolates. How many boxes of chocolates will there be? How many chocolates will be left over?

8) Which of the following is a true statement?
   A) 6 \leq -127  
   B) \mid -6 \mid \geq 30  
   C) -6 > -70  
   D) 127 > -(-127)

9) 85 + 8.3 + (-70) + (-20.4)

Solve the equation using the addition principle.
12) 18 = -11 + x

Simplify.
13) 12 \cdot 10 - (10 - 7) \div 3 - (5 - 4)

Find the prime factorization of the number.
14) 198

15) Which of the following numbers is divisible by 3:
   A) 888,888  
   B) 22,222  
   C) 5555  
   D) 2,222,222

Simplify, if possible.
16) \frac{75}{105}

Add and, if possible, simplify.
17) \frac{1}{4} + \frac{7}{16} + \frac{4}{8}

Subtract. Write a mixed numeral for the answer.
18) 13\frac{1}{5} - 6\frac{11}{20}

19) Give the sum in simplest form. 32\frac{1}{15} + 21\frac{8}{15}

Multiply. Write a mixed numeral for the answer.
20) 4\frac{1}{2} \cdot 3\frac{5}{9}

Subtract.
10) 54 - (-79)

Multiply.
11) 10 \cdot (-6) \cdot 12 \cdot (-6)
Divide. Write a mixed numeral for the answer whenever possible.

21) \(2 \frac{5}{7} \div 2 \frac{1}{7}\)

Write the number as a fraction. Do not simplify.

22) 559.7626

Write decimal notation.

23) \(\frac{68}{100,000}\)

Solve the problem.

24) Round 8.2272 to the nearest hundredth.

Add.

25) \(79.87 + 7 + 89.38 + 28.564\)

Subtract.

26) \(3785.33 - 5.769\)

Solve the problem.

27) Trin’s grocery bill was $9.54. He gave the clerk a $20 bill. How much change should he receive?

Multiply.

28) \(3.1 \times 0.523\)

29) Divide and round the quotient to the nearest hundredth.
\(119.24 \div 14.8\)

30) Find decimal notation for \(\frac{23}{16}\)

Find the average for the set of numbers.

31) 51, 61, 37, 57, 34

Find the median for the set of numbers.

32) 91, 97, 476, 275, 250, 368

Find any modes that exist.

33) 20, 28, 46, 28, 49, 28, 49

Solve the equation.

34) \(-\frac{3}{7}P = \frac{2}{3}\)

Solve the problem.

35) Anthony wanted to buy a particular kind of cheese. He checked in five different stores and found the following prices per pound: $6.10, $5.30, $6.70, $5.90, $5.30. What was the average price per pound?

Use the pictograph to answer the question.

36) This pictograph shows projected sales of compact disks (CDs) for a popular rock band for seven consecutive years.

<table>
<thead>
<tr>
<th>Year</th>
<th>Projected CD Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>○○</td>
</tr>
<tr>
<td>2011</td>
<td>○○○○○○○</td>
</tr>
<tr>
<td>2010</td>
<td>○○○○○○○○○○</td>
</tr>
<tr>
<td>2009</td>
<td>○○○○○○○○○○○</td>
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<tr>
<td>2007</td>
<td>○○○○○○○○</td>
</tr>
<tr>
<td>2006</td>
<td>○○○○○○○○○○</td>
</tr>
</tbody>
</table>

○ = 100,000 CDs

Approximately how many fewer CDs will be sold in 2008 than in 2010?

Solve.

37) A woman ran 459 meters in 2.25 minutes. What is the rate in meters per minute?

38) A label printer prints 4 pages of labels in 1.6 sec. How long will it take to print 32 pages of labels?

Find decimal notation.

39) 73.26%

40) Find decimal notation for \(\frac{400}{640}\)

Find percent notation.

41) \(\frac{17}{20}\)
Solve.

42) During one year, the Green’s real estate bill included $290 for city services. The fire department received 54% of that amount. How much money went to the fire department?

43) Enrollment in a business seminar increased from 71 people to 91 people. What was the percent of increase?

Solve the problem.

44) A kitchen table costs $230. The sales tax is $6.90. What is the sales tax rate and what is the total price paid?

45) What is the discount on a swimming suit originally marked at $55 which is on sale at 20% off?

Solve the problem. Assume that simple interest is being calculated in each case. Round your answer to the nearest cent. Use 365 days = 1 year.

46) Annie’s cafe borrows $6200 at 6% for 50 days. Find the total amount that must be repaid after 50 days.

Find the area of the shaded region.

47) Each side 14 ft

Find the area.

48) Find the area of a square measuring 88 km on a side.

49) Find the area of a triangle, given that its height is 32 cm and its base is 48 cm.

50) Which of the following is a true statement?
   A) -326 is greater than 7.
   B) 86% is greater than 13.
   C) A fraction cannot be divided by zero.
   D) All integers are positive.
Answer Key

Testname: 0306FINALREVIEWFALL08

1) Sixty-four million, five hundred sixty-eight thousand, nine
2) 4 ten thousands + 8 hundreds + 5 tens
3) 3538
4) 4773
5) 24,568
6) 18 R 12
7) 23 boxes; 2 chocolates left over
8) C
9) 2.9
10) 133
11) 4320
12) 29
13) 118
14) $2 \cdot 3 \cdot 3 \cdot 11$
15) A
16) $\frac{5}{7}$
17) $\frac{19}{16}$
18) $6 \frac{13}{20}$
19) $53 \frac{3}{5}$
20) 16
21) $1 \frac{4}{15}$
22) $\frac{5,597,626}{10,000}$
23) 0.00068
24) 8.23
25) 204,814
26) 3779.561
27) $10.46$
28) 1.6213
29) 8.06
30) 1.4375
31) 48
32) 262.5
33) 28
34) $-\frac{14}{9}$
35) $\$5.86$
36) 400,000 CDs
37) 204 m/min
38) 12.80 sec
39) 0.7326
40) 0.625
41) 85%
42) $\$156.60$
43) 28.2%
44) 3%, $\$236.90$
45) $\$11.00$
46) $\$6250.96$
47) 980 ft²
48) 7744 km²
49) 768 cm²
50) C