

Teacher Annotated Edition

Math Skills Maintenance

W o r k b o o k

Course 2



Glencoe

New York, New York Columbus, Ohio Chicago, Illinois Peoria, Illinois Woodland Hills, California

Teacher's Guide to Using the Math Skills Maintenance

In order for their skills to remain fresh, students need opportunities to practice the math skills that they have learned in previous courses. The *Math Skills Maintenance* masters contain pages of practice for various basic math skills. Each page is geared to one or more previously-learned skills.

When to Use These masters can be used as short in-class or take-home refreshers. You may wish to use them before you study related lessons in the Student Edition or at any time during the school year. Correlations showing when practice with each skill may be helpful for studying lessons in *Mathematics: Applications and Concepts*, Course 2, *Impact Mathematics*, Course 2, and *MathScape*, Grade 7 are provided on pages iv, v, and vi, respectively.

These masters are also available online at www.msmath2.net/math_maintenance.



Glencoe

The McGraw-Hill Companies

Copyright © by The McGraw-Hill Companies, Inc. All rights reserved.
Printed in the United States of America. Permission is granted to reproduce the material contained herein on the condition that such material be reproduced only for classroom use; be provided to students, teachers, and families without charge; and be used solely in conjunction with Glencoe products. Any other reproduction, for use or sale, is prohibited without prior written permission of the publisher.

Send all inquiries to:
Glencoe/McGraw-Hill
8787 Orion Place
Columbus, OH 43240

ISBN: 0-07-860728-0

Math Skills Maintenance, Course 2

1 2 3 4 5 6 7 8 9 10 045 11 10 09 08 07 06 05 04 03

CONTENTS

Math Skill	Page
Correlation to <i>Mathematics: Applications and Concepts</i> , Course 2	iv
Correlation to <i>Impact Mathematics</i> , Course 2	v
Correlation to <i>MathScape</i> , Grade 7	vi
1 Place Value	1
2 Comparing and Ordering Whole Numbers	2
3 Adding Whole Numbers	3
4 Subtracting Whole Numbers	5
5 Adding and Subtracting Whole Numbers	7
6 Multiplying Whole Numbers	9
7 Dividing Whole Numbers	11
8 Multiplying and Dividing Whole Numbers	13
9 Operations with Whole Numbers	15
10 Using Order of Operations with Parentheses	19
11 Using Order of Operations with Powers	21
12 Finding Common Factors	23
13 Greatest Common Factor	25
14 Divisibility Patterns	27
15 Decimals and Place Value	29
16 Comparing and Ordering Decimals	32
17 Adding Decimals	34
18 Subtracting Decimals	36
19 Adding and Subtracting Decimals	38
20 Multiplying Decimals by Whole Numbers	41
21 Dividing Decimals by Whole Numbers	43
22 Multiplying and Dividing Decimals by Whole Numbers	45
23 Operations with Decimals	48
24 Rounding Decimals	52
25 Estimating with Decimals	54
26 Powers of Ten	57
27 Equivalent Fractions	59
28 Simplifying Fractions	61
29 Mixed Numbers and Improper Fractions	63
30 Adding Fractions with Like Denominators	66
31 Subtracting Fractions with Like Denominators	68
32 Adding and Subtracting Fractions with Like Denominators	70
33 Identifying Properties	72
34 Using Properties	74
35 Measurement: The Customary System	76
36 Measurement: The Metric System	77
Answers	78

Correlation of *Mathematics: Applications and Concepts*, Course 2 to *Math Skills Maintenance*

Lesson	Math Maintenance Skill Number
1-1	4, 6, 7, 8, 17, 20
1-2	2, 6
1-3	9, 19, 20, 23, 26
1-4	4, 11, 17, 18, 19, 20
1-5	17, 20, 21, 22
1-6	17
1-7	5, 8, 9, 22, 23
1-8	15, 16, 26
1-9	1, 2, 26
2-1	-
2-2	2
2-3	-
2-4	2, 3, 7, 16, 17, 21
2-5	1, 15
2-6	2, 3, 18, 20
2-7	-
2-8	2, 3
3-1	-
3-2	2
3-3	-
3-4	5, 33, 34
3-5	5
3-6	6, 11, 33, 34
3-7	7, 10, 11
4-1	-
4-2	3, 4, 5, 17, 18, 19
4-3	7, 21
4-4	5, 8, 9, 19, 22, 23
4-5	2, 9, 23
4-6	9, 23
4-7	-
5-1	7, 12, 14
5-2	7, 12, 14
5-3	12, 14, 27
5-4	5, 7
5-5	27
5-6	26
5-7	6
5-8	15, 16
6-1	-
6-2	27, 28, 29
6-3	27, 28, 29, 35
6-4	28, 29, 33, 34, 35, 36
6-5	20, 29
6-6	12, 13, 28, 29
6-7	6, 7, 8
6-8	8, 10, 28, 29, 30, 31, 32
6-9	12, 13, 20, 24

Lesson	Math Maintenance Skill Number
7-1	13, 27, 28, 35
7-2	7, 21, 24, 35
7-3	23, 27, 35, 36
7-4	23, 25, 29, 35, 36
7-5	26, 28, 29
7-6	26
7-7	6, 20, 23, 26
7-8	6, 23, 26
8-1	10, 26, 34
8-2	8, 9, 20, 21, 22, 23
8-3	8, 9, 20, 21, 22, 23
8-4	8, 21, 23, 24
8-5	19, 20, 21, 23
8-6	20
9-1	16, 28, 31
9-2	-
9-3	-
9-4	-
9-5	28
9-6	28
9-7	13
10-1	-
10-2	3, 20, 24
10-3	9
10-4	9
10-5	9
10-6	23
10-7	8
10-8	-
10-9	-
11-1	10, 11
11-2	2, 16
11-3	11, 23, 24
11-4	20, 35
11-5	10, 22, 24, 35
11-6	11, 20
11-7	20
11-8	10
12-1	-
12-2	20, 25, 35, 36
12-3	11, 20, 24
12-4	6, 20, 35
12-5	10, 21, 24
12-6	24, 35, 36

Correlation of *Impact Mathematics*, Course 2 to *Math Skills Maintenance*

Lesson	Math Maintenance Skill Number
1.1-1h	3, 4, 5, 6, 7, 8, 9
1.1-2	-
1.1-3	3, 4, 5, 6, 7, 8, 9
1.1-4	3, 4, 5, 6, 7, 8, 9
1.2-1	-
1.2-2	11
1.3-1	-
1.3-2	-
1.3-3	33, 34
1.3-4	12, 13
2.1-1	-
2.1-2	-
2.1-3	-
2.2-1	-
2.2-2	-
2.2-3	-
2.2-4	6, 8, 9
2.3-1	6, 8, 9
2.3-2	6, 8, 9
2.3-3	6, 8, 9, 20, 22, 23
2.4-1	-
2.4-2	6, 8, 9, 20, 22, 23
2.4-3	6, 8, 9, 20, 22, 23
3.1-1	6
3.1-2	6
3.1-3	11
3.1-4	-
3.2-1	7
3.2-2	7
3.2-3	11
3.3-1	-
3.3-2	-
3.4-1	1
3.4-2	6
3.4-3	26
3.4-4	-
4.1-1	2
4.1-2	9
4.1-3	9
4.1-4	-
4.2-1	8, 20, 21, 22

Lesson	Math Maintenance Skill Number
4.2-2	6, 20
4.2-3	7, 21
4.3-1	-
4.3-2	-
4.3-3	-
4.4-1	11
4.4-2	11
4.5-1	-
4.5-2	-
4.5-3	-
5.1-1	6, 8, 9, 20, 22, 23, 36
5.1-2	-
5.1-3	27, 28
5.2-1	35, 36
5.2-2	-
5.2-3	16
5.2-4	20, 22, 23
5.3-1	-
5.3-2	-
5.3-3	20, 22, 23
5.4-1	-
5.4-2	17, 18
5.4-3	-
6.1-1	9, 10
6.2-1	-
6.2-2	-
6.2-3	10
6.3-1	10
6.3-2	9, 10, 23
6.3-3	20, 21, 22
6.4-1	10
6.4-2	10, 34
6.4-3	9, 10
6.5-1	10
6.5-2	-
7.1-1	-
7.1-2	27
7.1-3	27, 28, 36
7.1-4	36
7.2-1	-
7.2-2	-

Lesson	Math Maintenance Skill Number
7.2-3	35, 36
7.3-1	27, 28
7.3-2	27, 28
7.3-3	29
7.4-1	-
7.4-2	-
7.4-3	20
7.4-4	-
8.1-1	27, 28
8.1-2	27, 28
8.1-3	27, 28
8.1-4	20, 21, 22
8.2-1	23, 27, 28
8.2-2	27, 28
8.2-3	20, 21, 22, 23
8.2-4	-
8.3-1	20
8.3-2	20, 21, 22, 23
8.3-3	20, 21, 22, 23
8.3-4	20, 21, 22, 23
8.4-1	-
8.4-2	9
9.1-1	-
9.1-2	35, 36
9.2-1	11
9.2-2	-
9.2-3	11
9.2-4	-
9.3-1	-
9.3-2	-
9.3-3	-
10.1-1	6, 8, 12, 14
10.1-2	-
10.2-1	-
10.2-2	-
10.2-3	-
10.2-4	1, 2
10.3-1	-
10.3-2	-
10.4-1	-
10.4-2	-

Correlation of *MathScape*, Grade 7 to *Math Skills Maintenance*

Lesson	Math Maintenance Skill Number
BB-1	21
BB-2	-
BB-3	21
BB-4	12, 20, 21, 22
BB-5	2, 27, 28
BB-6	27, 28
BB-7	6, 27
BB-8	6, 27
BB-9	6, 20, 25
BB-10	3, 7
BB-11	18, 20
BB-12	17, 18, 20
CE-1	-
CE-2	28
CE-3	2, 27
CE-4	28
CE-5	30
CE-6	28
CE-7	-
CE-8	-
CE-9	28
CE-10	28
CE-11	28
CE-12	28
MMA-1	3, 4, 5
MMA-2	3, 4, 5
MMA-3	6, 7, 8
MMA-4	5, 8, 9
MMA-5	11
MMA-6	6, 11
MMA-7	11
MMA-8	11
MMA-9	14
MMA-10	12, 13, 14
MMA-11	-
MMA-12	-
FTGU-1	20, 35, 36
FTGU-2	20, 35, 36
FTGU-3	20, 35, 36
FTGU-4	20
FTGU-5	-
FTGU-6	35, 36
FTGU-7	2, 3, 17
FTGU-8	6, 20
FTGU-9	6, 20
FTGU-10	20
FTGU-11	2, 6, 20
FTGU-12	7, 8, 20, 21

Lesson	Math Maintenance Skill Number
LOA-1	10
LOA-2	2
LOA-3	34
LOA-4	-
LOA-5	-
LOA-6	9
LOA-7	-
LOA-8	-
LOA-9	9
LOA-10	9
LOA-11	9
LOA-12	9
GDTB-1	9, 23
GDTB-2	9, 23
GDTB-3	-
GDTB-4	-
GDTB-5	-
GDTB-6	-
GDTB-7	-
GDTB-8	-
GDTB-9	-
GDTB-10	-
GDTB-11	-
GDTB-12	-
GIS-1	-
GIS-2	2, 5
GIS-3	-
GIS-4	-
GIS-5	-
GIS-6	9
GIS-7	-
GIS-8	-
GIS-9	17, 20
GIS-10	17, 20
GIS-11	17, 20
GIS-12	17, 20

MathScape Acronyms and Unit Titles

BB—Buyer Beware

CE—Chance Encounters

FTGU—From the Ground Up

GDTB—Getting Down to Business

GIS—Getting In Shape

LOA—The Language of Algebra

MMA—Making Mathematical Arguments

1**Math Skills Maintenance*****Place Value*****Write each number in words.**

1. 931	2. 1,617	3. 8,050
4. 15,928	5. 50,350	6. 125,800
7. 216,878	8. 1,005,090	9. 1,065,987,307

Write each number in standard form.

10. three hundred fifty-five	11. eighty-four thousand
12. seventeen thousand, nine hundred ninety-two	13. two hundred twelve thousand, six hundred sixty-eight
14. five million, six hundred sixty thousand, eighty-four	15. seventy-one billion, five million, two hundred sixty-six

2**Math Skills Maintenance*****Comparing and Ordering Whole Numbers***

Fill in the blank with $<$, $>$, or $=$ to make a true sentence.

1. 496 _____ 499	2. 6,453 _____ 6,513
3. 8,902 _____ 8,092	4. 44,566 _____ 47,004
5. 1,208 _____ 12,080	6. 478,204 _____ 478,195
7. 3,890,000 _____ 4,000,000	8. 5,000,000 _____ 5,000,000,000
9. 47,987,222,011 _____ 579,872,221	10. 700,612,000,090 _____ 699,999,999,999

Write each set of numbers in order from least to greatest.

11. 544 5,044 5,404	12. 8,096 8,009 9,086
13. 547,932 548,001 547,335	14. 14,090,000 82,400,000 65,526,700 104,789,124

3**Math Skills Maintenance*****Adding Whole Numbers*****Find each sum.**

1. $\begin{array}{r} 246 \\ + 465 \\ \hline \end{array}$	2. $\begin{array}{r} 4,542 \\ + 3,560 \\ \hline \end{array}$	3. $\begin{array}{r} 18,602 \\ + 7,859 \\ \hline \end{array}$
4. $\begin{array}{r} \$28,725 \\ + 80,041 \\ \hline \end{array}$	5. $\begin{array}{r} 32,287 \\ + 19,276 \\ \hline \end{array}$	6. $\begin{array}{r} 18,692 \\ + 5,323 \\ \hline \end{array}$
7. $\begin{array}{r} \$62,033 \\ + 78,359 \\ \hline \end{array}$	8. $\begin{array}{r} 276,485 \\ + 79,735 \\ \hline \end{array}$	9. $\begin{array}{r} 1,081,580 \\ + 21,531 \\ \hline \end{array}$
10. $779 + 485 =$	11. $4,955 + 11,951 =$	12. $18,023 + 8,918 =$
13. $65,249 + 10,823 =$	14. $9,276 + 7,478 + 32,287 =$	15. $862,761 + 735,839 =$

3**Math Skills Maintenance*****Adding Whole Numbers*****Find each sum.**

1. $\begin{array}{r} 359 \\ + 371 \\ \hline \end{array}$	2. $\begin{array}{r} 2,744 \\ + 4,620 \\ \hline \end{array}$	3. $\begin{array}{r} 15,801 \\ + 8,684 \\ \hline \end{array}$
4. $\begin{array}{r} 34,637 \\ + 61,033 \\ \hline \end{array}$	5. $\begin{array}{r} \$41,245 \\ + 16,571 \\ \hline \end{array}$	6. $\begin{array}{r} 13,618 \\ + 9,377 \\ \hline \end{array}$
7. $\begin{array}{r} 44,505 \\ + 27,829 \\ \hline \end{array}$	8. $\begin{array}{r} 474,180 \\ + 55,801 \\ \hline \end{array}$	9. $\begin{array}{r} \$1,511,650 \\ + 50,085 \\ \hline \end{array}$
10. $884 + 337 =$	11. $2,672 + 14,811 =$	12. $14,092 + 6,419 =$
13. $58,394 + 11,647 =$	14. $5,978 + 8,891 + 34,910 =$	15. $941,092 + 814,844 =$

4

Math Skills Maintenance

Subtracting Whole Numbers

Find each difference.

1. $\begin{array}{r} 123 \\ - 114 \\ \hline \end{array}$	2. $\begin{array}{r} 567 \\ - 345 \\ \hline \end{array}$	3. $\begin{array}{r} 8,765 \\ - 2,345 \\ \hline \end{array}$
4. $\begin{array}{r} 987 \\ - 189 \\ \hline \end{array}$	5. $\begin{array}{r} 9,000 \\ - 4,999 \\ \hline \end{array}$	6. $\begin{array}{r} 222 \\ - 98 \\ \hline \end{array}$
7. $\begin{array}{r} 4,905 \\ - 2,765 \\ \hline \end{array}$	8. $\begin{array}{r} \$8,908.00 \\ - \$3,897.00 \\ \hline \end{array}$	9. $\begin{array}{r} 9,876,543 \\ - 65,986 \\ \hline \end{array}$
10. $654 - 567 =$	11. $987 - 845 =$	12. $9,087 - 832 =$
13. $1,897,098 - 7,654 =$	14. $523 - 124 =$	15. $8,888 - 4,949 =$
16. $13,299 - 11,131 =$	17. $876 - 321 =$	18. $12,900,000 - 10,101,999 =$

4**Math Skills Maintenance*****Subtracting Whole Numbers***

Find each difference.

1. $\begin{array}{r} 789 \\ - 291 \\ \hline \end{array}$	2. $\begin{array}{r} 941 \\ - 521 \\ \hline \end{array}$	3. $7,111 - 999 =$
4. $\begin{array}{r} 612,456 \\ - 429,871 \\ \hline \end{array}$	5. $\$897 - \$671 =$	6. $\begin{array}{r} 78,908 \\ - 111 \\ \hline \end{array}$
7. $99,000 - 76,923 =$	8. $5,398 - 251 =$	9. $\begin{array}{r} 7,049 \\ - 49 \\ \hline \end{array}$
10. $\begin{array}{r} 45,342 \\ - 6,834 \\ \hline \end{array}$	11. $451 - 321 =$	12. $\$45,888 - \$32,986 =$
13. $\begin{array}{r} 730 \\ - 603 \\ \hline \end{array}$	14. $8,000 - 7,928 =$	15. $\begin{array}{r} 2,001 \\ - 1,623 \\ \hline \end{array}$
16. $\begin{array}{r} 1,122 \\ - 1,012 \\ \hline \end{array}$	17. $\begin{array}{r} 879 \\ - 734 \\ \hline \end{array}$	18. $3,209 - 1,762 =$

5**Math Skills Maintenance*****Adding and Subtracting Whole Numbers***

Find each sum or difference.

1. $\begin{array}{r} 987 \\ + 872 \\ \hline \end{array}$	2. $\begin{array}{r} 64,137 \\ + 8,048 \\ \hline \end{array}$	3. $735 - 103 =$
4. $\begin{array}{r} 694 \\ - 531 \\ \hline \end{array}$	5. $\begin{array}{r} 345,654,321 \\ - 65,443,257 \\ \hline \end{array}$	6. $67,432 + 81,306,432 =$
7. $730 + 305 =$	8. $\begin{array}{r} 2,910 \\ - 1,823 \\ \hline \end{array}$	9. $43,613 - 39,981 =$
10. $\begin{array}{r} 3,422 \\ + 356 \\ \hline \end{array}$	11. $8,124,587 - 753,256 =$	12. $9,675 - 3,421 =$
13. $3,879 + 43,289 =$	14. $\begin{array}{r} 96,479 \\ - 8,698 \\ \hline \end{array}$	15. $\begin{array}{r} 93,421 \\ + 7,865 \\ \hline \end{array}$
16. $986,436 - 823 =$	17. $37,932 + 53,258,797,675 =$	18. $\begin{array}{r} 732 \\ - 610 \\ \hline \end{array}$
19. $\begin{array}{r} 65,379 \\ + 6,326 \\ \hline \end{array}$	20. $3,146 - 2,999 =$	21. $\$9,821 + \$9,843,288 =$

5**Math Skills Maintenance*****Adding and Subtracting Whole Numbers***

Find each sum or difference.

1. $57,849 - 37,289 =$	2. $83,792 + 339,201 =$	3. $\begin{array}{r} 7,483 \\ - 392 \\ \hline \end{array}$
4. $42,819 - 3,291 =$	5. $\$5,098 + \$232 =$	6. $675 - 213 =$
7. $\begin{array}{r} 745 \\ - 632 \\ \hline \end{array}$	8. $\begin{array}{r} 9,456 \\ - 512 \\ \hline \end{array}$	9. $912 + 875 =$
10. $874 + 652 + 54 =$	11. $\begin{array}{r} 956 \\ - 721 \\ \hline \end{array}$	12. $\begin{array}{r} 419 \\ 312 \\ + 41,246 \\ \hline \end{array}$
13. $418 - 312 + 67 =$	14. $8,123 - 6,213 =$	15. $\begin{array}{r} 112,468 \\ + 654,321 \\ \hline \end{array}$

6**Math Skills Maintenance*****Multiplying Whole Numbers*****Find each product.**

1. $\begin{array}{r} 674 \\ \times 33 \\ \hline \end{array}$	2. $\begin{array}{r} 218 \\ \times 63 \\ \hline \end{array}$	3. $\begin{array}{r} 18 \\ \times 64 \\ \hline \end{array}$
4. $\begin{array}{r} 7,413 \\ \times 9 \\ \hline \end{array}$	5. $\begin{array}{r} 3,145 \\ \times 62 \\ \hline \end{array}$	6. $\begin{array}{r} \$75.86 \\ \times 8 \\ \hline \end{array}$
7. $743 \times 21 =$	8. $831 \times 54 =$	9. $\begin{array}{r} 98 \\ \times 74 \\ \hline \end{array}$
10. $\begin{array}{r} 12,485 \\ \times 423 \\ \hline \end{array}$	11. $87 \times 56 =$	12. $\begin{array}{r} 698 \\ \times 4 \\ \hline \end{array}$
13. $\begin{array}{r} 79,025 \\ \times 61 \\ \hline \end{array}$	14. $\begin{array}{r} 87 \\ \times 88 \\ \hline \end{array}$	15. $\begin{array}{r} 90 \\ \times 9 \\ \hline \end{array}$
16. $\begin{array}{r} 2,365 \\ \times 26 \\ \hline \end{array}$	17. $\begin{array}{r} 45 \\ \times 6 \\ \hline \end{array}$	18. $\begin{array}{r} 329 \\ \times 7 \\ \hline \end{array}$

6**Math Skills Maintenance*****Multiplying Whole Numbers*****Find each product.**

1. $\begin{array}{r} \$189 \\ \times 42 \\ \hline \end{array}$	2. $389 \times 76 =$	3. $\begin{array}{r} 719 \\ \times 9 \\ \hline \end{array}$
4. $\begin{array}{r} 199 \\ \times 22 \\ \hline \end{array}$	5. $\begin{array}{r} 77 \\ \times 12 \\ \hline \end{array}$	6. $\begin{array}{r} 240 \\ \times 15 \\ \hline \end{array}$
7. $9,801 \times 7 =$	8. $\begin{array}{r} 16,009 \\ \times 80 \\ \hline \end{array}$	9. $\begin{array}{r} 529 \\ \times 7 \\ \hline \end{array}$
10. $\begin{array}{r} 49 \\ \times 49 \\ \hline \end{array}$	11. $602 \times 6 =$	12. $\begin{array}{r} 1,122 \\ \times 56 \\ \hline \end{array}$
13. $783 \times 34 =$	14. $\begin{array}{r} 2,101 \\ \times 94 \\ \hline \end{array}$	15. $1,290 \times 67 =$

Solve.

16. Mrs. Smart's class has 25 students. For an art project each student needs 7 pieces of paper. How many pieces of paper does Mrs. Smart need?	17. Robb has 14 boxes of baseball cards. If each box has 3,000 cards in it, how many baseball cards does Robb have?	18. Anita is selling magazine subscriptions for a charity. The charity receives a donation of \$7 for each subscription sold. If Anita sells 36 subscriptions, how much money did she earn for the charity?
---	---	---

7**Math Skills Maintenance*****Dividing Whole Numbers*****Find each quotient.**

1. $5\overline{)250}$	2. $15\overline{)7,890}$	3. $8\overline{)36,874}$
4. $84 \div 12 =$	5. $6,972 \div 22 =$	6. $12\overline{)64}$
7. $9\overline{)981}$	8. $17\overline{)5,487}$	9. $85 \div 3 =$
10. $45\overline{)180}$	11. $6\overline{)39,574}$	12. $500 \div 25 =$
13. $12\overline{)144}$	14. $14\overline{)288}$	15. $7\overline{)8,732}$

Math Skills Maintenance***Dividing Whole Numbers***

Find each quotient.

1. $48 \overline{)48,932}$	2. $16 \overline{)3,200}$	3. $1,082 \div 18 =$
4. $34 \div 4 =$	5. $8 \overline{)379}$	6. $11 \overline{)1,122}$
7. $19 \overline{)843}$	8. $98 \div 7 =$	9. $72 \div 16 =$
10. $36 \overline{)96}$	11. $13 \overline{)104}$	12. $5 \overline{)7,890}$
13. $721 \div 7 =$	14. $145 \div 15 =$	15. $12 \overline{)8,426}$

8**Math Skills Maintenance*****Multiplying and Dividing Whole Numbers*****Find each product or quotient.**

1. $\begin{array}{r} 89 \\ \times 79 \\ \hline \end{array}$	2. $8 \overline{)475}$	3. $5 \overline{)958,745}$
4. $65,234 \div 41 =$	5. $9,874 \times 4,845 =$	6. $9,584 \div 23 =$
7. $95,412 \times 185 =$	8. $56 \overline{)9,854,215}$	9. $\begin{array}{r} 11 \\ \times 15 \\ \hline \end{array}$
10. $\begin{array}{r} 156 \\ \times 12 \\ \hline \end{array}$	11. $\begin{array}{r} 189 \\ \times 14 \\ \hline \end{array}$	12. $19 \overline{)4,895}$
13. $485 \times 48 =$	14. $8,456 \div 11 =$	15. $48,594 \div 15 =$
16. $49 \times 5,694 =$	17. $\begin{array}{r} 147 \\ \times 56 \\ \hline \end{array}$	18. $\begin{array}{r} 158 \\ \times 23 \\ \hline \end{array}$
19. $486 \div 2 =$	20. $348 \times 25 =$	21. $13 \overline{)15,447}$

8**Math Skills Maintenance*****Multiplying and Dividing Whole Numbers*****Find each product or quotient.**

1. $4,895 \div 15 =$	2. $7,854 \times 89 =$	3. $\begin{array}{r} 456 \\ \times 21 \\ \hline \end{array}$
4. $8 \overline{)178,452}$	5. $24 \overline{)485,632}$	6. $7 \overline{)48,973}$
7. $355 \times 14 =$	8. $751 \div 11 =$	9. $\begin{array}{r} 487 \\ \times 9 \\ \hline \end{array}$
10. $4,587 \div 48 =$	11. $\begin{array}{r} 8,515 \\ \times 12 \\ \hline \end{array}$	12. $\begin{array}{r} 147 \\ \times 8 \\ \hline \end{array}$

Solve.

13. Katie has a bag of 43 cookies. She and her 14 friends want cookies. Does Katie have enough so that everyone can have 3 cookies?	14. Mrs. Glenn is making bookmarks with her students. She wants to have 4 stickers for each student to use to make their bookmark. If there are 17 students in her class, how many stickers should Mrs. Glenn buy?
--	---

9**Math Skills Maintenance*****Operations with Whole Numbers***

Find each sum, difference, product, or quotient.

1. $457 \times 74 =$	2. $845 - 26 =$	3. $845 + 47 =$
4. $7 \overline{)84,712}$	5. $459 \times 87 =$	6. $2,679 \times 5 =$
7. $\begin{array}{r} 423 \\ - 48 \\ \hline \end{array}$	8. $\begin{array}{r} 687 \\ + 78 \\ \hline \end{array}$	9. $64,897 \div 47 =$
10. $\begin{array}{r} 687 \\ \times 9 \\ \hline \end{array}$	11. $\begin{array}{r} 7,984 \\ + 57 \\ \hline \end{array}$	12. $67 \overline{)48,973}$
13. $987 \times 23 =$	14. $8,976 \div 2 =$	15. $\begin{array}{r} 8,874 \\ - 145 \\ \hline \end{array}$
16. $\begin{array}{r} 1,897 \\ + 148 \\ \hline \end{array}$	17. $987 \div 97 =$	18. $\begin{array}{r} 4,487 \\ \times 83 \\ \hline \end{array}$
19. $54 \overline{)98,765}$	20. $\begin{array}{r} 9,874 \\ - 547 \\ \hline \end{array}$	21. $\begin{array}{r} 7,954 \\ + 478 \\ \hline \end{array}$

9**Math Skills Maintenance*****Operations with Whole Numbers***

Find each sum, difference, product, or quotient.

1. $684 + 78 =$	2. $\begin{array}{r} 915 \\ + 487 \\ \hline \end{array}$	3. $31 \overline{)943}$
4. $179 \times 31 =$	5. $942 \div 6 =$	6. $\begin{array}{r} 379 \\ \times 8 \\ \hline \end{array}$
7. $\begin{array}{r} 648 \\ - 47 \\ \hline \end{array}$	8. $\begin{array}{r} 845 \\ - 31 \\ \hline \end{array}$	9. $34 \times 4 =$
10. $\begin{array}{r} 11 \\ \times 47 \\ \hline \end{array}$	11. $15 \overline{)76,545}$	12. $33 \overline{)31,478}$
13. $7,415 + 475 =$	14. $\begin{array}{r} 845 \\ + 61 \\ \hline \end{array}$	15. $\begin{array}{r} 81 \\ \times 7 \\ \hline \end{array}$
16. $731 \div 18 =$	17. $\begin{array}{r} 917 \\ - 97 \\ \hline \end{array}$	18. $\begin{array}{r} 367 \\ + 741 \\ \hline \end{array}$
19. $999 \times 14 =$	20. $534 \div 8 =$	21. $\begin{array}{r} 947 \\ \times 9 \\ \hline \end{array}$

9**Math Skills Maintenance*****Operations with Whole Numbers***

Find each sum, difference, product, or quotient.

1. $16 \overline{)843,128}$	2. $\begin{array}{r} 617 \\ - 47 \\ \hline \end{array}$	3. $\begin{array}{r} 9,783 \\ + 789 \\ \hline \end{array}$
4. $6,745 \times 3 =$	5. $874 + 62 =$	6. $\begin{array}{r} 648 \\ \times 71 \\ \hline \end{array}$
7. $784 \div 12 =$	8. $\begin{array}{r} 9,327 \\ \times 7 \\ \hline \end{array}$	9. $\begin{array}{r} 745 \\ \times 5 \\ \hline \end{array}$
10. $55 \overline{)92,354}$	11. $\begin{array}{r} 873 \\ + 86 \\ \hline \end{array}$	12. $\begin{array}{r} 9,732 \\ + 73 \\ \hline \end{array}$
13. $\begin{array}{r} 6,745 \\ - 71 \\ \hline \end{array}$	14. $873 - 40 =$	15. $\begin{array}{r} 741 \\ \times 97 \\ \hline \end{array}$
16. $9 \overline{)973,154}$	17. $\begin{array}{r} 1,464 \\ + 38 \\ \hline \end{array}$	18. $94,215 \div 65 =$

9**Math Skills Maintenance*****Operations with Whole Numbers***

Find each sum, difference, product, or quotient.

1. $61 \div 24 =$	2. $\begin{array}{r} 647 \\ + 49 \\ \hline \end{array}$	3. $971 - 67 =$
4. $\begin{array}{r} 94 \\ \times 7 \\ \hline \end{array}$	5. $\begin{array}{r} 843 \\ - 57 \\ \hline \end{array}$	6. $54 \overline{)86,314}$
7. $9 \times 67 =$	8. $719 \div 39 =$	9. $\begin{array}{r} 179,234 \\ + 99 \\ \hline \end{array}$
10. $115 \times 5 =$	11. $8 \overline{)876,214}$	12. $\begin{array}{r} 67 \\ \times 9 \\ \hline \end{array}$

Solve.

13. Ella wants to buy pizza for her friends. Each piece of pizza costs \$3.00. Ella has \$18.00. How many slices can she buy? If she has 7 friends can she feed them all?	14. On average 1,389 people visit Fun Land each day. If each visitor receives 7 complimentary tokens, how many tokens are given away each day?
15. Henry went shopping and bought 8 shirts costing \$12.00 each, 2 pairs of pants costing \$15.00 each, a hat that was \$11.00, and 5 pairs of socks for \$3.00 each. How much did Henry spend?	16. Mike is 21 years old, Ericka is 13 years old, Karen is 43 years old, and Joe is 32 years old. How much older is Karen than Ericka?

10**Math Skills Maintenance*****Using Order of Operations with Parentheses*****Find the value of each expression.**

1. $48 + (23 - 1)$	2. $66 \div (9 + 2)$	3. $9(2 + 5) - 3 \cdot 4$
4. $5 + 3(7 - 2) - 3 \cdot 5$	5. $(5 + 7) \cdot 4$	6. $18 - (4 + 9)$
7. $(28 \div 4) + 13$	8. $(31 - 6) \div 5$	9. $(25 + 8) \div (2 + 1)$
10. $(5 + 9) \cdot (4 + 3)$	11. $30 - (5 \cdot 6) + 14$	12. $38 + (2 \cdot 8) + 7$
13. $42 - (7 \cdot 3) - 10$	14. $65 + (11 \cdot 2) - 22$	15. $(7 \cdot 6) \div 14 + 25$
16. $(63 \div 7) \cdot 4 + 24$	17. $(12 \cdot 4) + (18 \cdot 4)$	18. $20 \cdot (4 + 16) \cdot 5$
19. $(120 \div 4) \cdot (5 \cdot 6) + 50$	20. $(250 \div 5) \div (2 \cdot 5)$	21. $(250 \div 5) \div 5 \div 10$

Math Skills Maintenance***Using Order of Operations with Parentheses*****Find the value of each expression.**

1. $27 + (15 - 2)$	2. $45 \div (7 + 2)$	3. $7(3 + 4) - 2 \cdot 3$
4. $8 + 2(9 - 3) - 2 \cdot 3$	5. $(2 + 6) \cdot 5$	6. $15 - (7 + 6)$
7. $(75 \div 3) + 20$	8. $(23 - 2) \div 3$	9. $(15 + 5) \div (3 + 1)$
10. $(4 + 8) \cdot (6 + 5)$	11. $17 - (2 \cdot 4) + 25$	12. $25 + (3 \cdot 5) + 6$
13. $29 - (8 \cdot 3) - 1$	14. $33 + (9 \cdot 3) - 10$	15. $(8 \cdot 9) \div 12 + 13$
16. $(99 \div 9) \cdot 3 + 15$	17. $(10 \cdot 3) + (15 \cdot 3)$	18. $10 \cdot (3 + 15) \cdot 3$
19. $(100 \div 25) \cdot (5 \cdot 2) (3 \cdot 6)$	20. $(225 \div 5) \div (5 \cdot 9)$	21. $(225 \div 5) \div 5 \div 9$

11**Math Skills Maintenance*****Using Order of Operations with Powers*****Find the value of each expression.**

1. 22×10^2	2. $48 \div 2^2$	3. $(8 - 1)^2 \div 7$
4. $2 \cdot 3 + 5^2$	5. $7 \times 10^3 + 250$	6. $(2^3 \cdot 3^2) \div 6$
7. $20 \div 2^2 \times 3$	8. $9 \times (7 - 2)^2$	9. $6^2 \div 3 + (8 - 2)^2$
10. $5 \times 2^3 + 2 \times 5^2$	11. $4 \times (3^3 + 3) \times 2^2$	12. 1.6×10^2
13. $3 \times 10 - 3^2$	14. $35 \div 7 + 5^2$	15. $5^3 - (1 + 4)^2$
16. $(3^3 \times 2^2) \div 6 + 2$	17. $(3^3 \times 2^2) \div (4 + 8)$	18. $(5 + 7)^2 \div (3 \cdot 2^2)$
19. $(22 + 3^2 \times 2) \div 5$	20. $32 \div 2^3 \cdot 3^2 + 14$	21. $5(12.5 + 2.5) \div 5^2$

Math Skills Maintenance***Using Order of Operations with Powers*****Find the value of each expression.**

1. $7^2 + 30 \div 3$	2. $100 - 5^2 - 3^2 - 2^2$	3. $(2^3 + 19) \div 3 - 3^2$
4. $8^2 - 28 \div 4$	5. $38 + 4^2 \div 2$	6. $10^2 - 6^2 \div 9$
7. 65×10^3	8. $25 \times (8 - 6)^2 + 65$	9. 1.86×10^2
10. $6 \times 2^2 + 2 \times 6^2$	11. $6 \times (2^2 + 2) \times 6^2$	12. $(5^3 \times 2^2) + (2^2 \times 5^3)$
13. $(4^3 \div 8) + (4^3 \div 4)$	14. $98 \div 2 + 7^2$	15. $9 \times 2^2 + 45 \div 3^2$
16. $(2^3 \times 3^2) \div 4 + 12$	17. $(3^2 \times 2^2) \div (3 + 9)$	18. $(2 + 7)^2 - (3 - 1)^2$
19. $(5^2 + 5^2) \div 5 - 9$	20. $(2^2 \times 3 + 2^2) \div (5 - 3)^2$	21. $3(10.2 + 1.8) \div 6^2$

12**Math Skills Maintenance*****Finding Common Factors***

List all factors for each pair of numbers. Then identify all common factors.

1. 8; 20	2. 15; 30	3. 12; 18
4. 15; 25	5. 20; 30	6. 28; 32
7. 25; 45	8. 15; 45	9. 58; 87
10. 50; 145	11. 72; 112	12. 55; 165
13. 125; 175	14. 126; 210	15. 215; 301

Math Skills Maintenance***Finding Common Factors***

List all factors for each set of numbers. Then identify all common factors.

1. 8; 10; 12	2. 5, 10; 15
3. 12; 15; 20	4. 9; 18; 32
5. 15; 20; 30	6. 12; 20; 42
7. 7; 14; 21	8. 11; 33; 55
9. 24; 33; 42	10. 34; 52; 72

13**Math Skills Maintenance*****Greatest Common Factor***

Find the greatest common factor (GCF) of each pair of numbers.

1. 12; 20	2. 16; 30	3. 15; 65
4. 33; 88	5. 18; 72	6. 28; 46
7. 44; 132	8. 15; 48	9. 42; 105
10. 77; 143	11. 17; 51	12. 225; 325
13. 136; 408	14. 175; 385	15. 1,200; 2,500

13**Math Skills Maintenance*****Greatest Common Factor***

Find the greatest common factor (GCF) of each set of numbers.

1. 10; 15; 20	2. 12; 22; 34
3. 21; 33; 45	4. 45; 70; 90
5. 17; 51; 102	6. 54; 81; 108
7. 15; 45; 105	8. 63; 98; 133
9. 150; 175; 225	10. 180; 200; 360

14**Math Skills Maintenance*****Divisibility Patterns***

Determine whether each given number is divisible by 2, 3, 4, 5, 6, 9, or 10.

1. 44	2. 1,452	3. 33
4. 100	5. 918	6. 24,765
7. 4,136	8. 685	9. 624
10. 1,832	11. 3,856	12. 11,760
13. 934	14. 10,002	15. 15
16. 156	17. 2,496	18. 706
19. 8,345	20. 9,753	21. 92,340

14**Math Skills Maintenance*****Divisibility Patterns***

Determine whether each given number is divisible by 2, 3, 4, 5, 6, 9, or 10.

1. 55	2. 4,325	3. 875
4. 5,433	5. 542	6. 24,674
7. 54	8. 6	9. 240
10. 8,223	11. 65,345	12. 6,890
13. 444	14. 47,990	15. 81
16. 72	17. 788	18. 634

15**Math Skills Maintenance*****Decimals and Place Value***

Write the number named by each underlined digit.

1. 0.54 <u>3</u> 3	2. 493.0 <u>0</u> 9	3. 93. <u>3</u> 223
4. 0.4 <u>3</u> 2	5. 9.000 <u>3</u> 4	6. 28. <u>9</u> 920
7. 2.2 <u>3</u> 34	8. 13.23 <u>3</u> 2	9. 9.38 <u>3</u> 2
10. 110.98 <u>7</u>	11. 4.912 <u>3</u>	12. 90. <u>0</u> 02
13. 7.094 <u>1</u>	14. 9.9 <u>9</u> 99	15. 0. <u>8</u> 65
16. 7.42 <u>1</u>	17. 41. <u>9</u> 05	18. 73.09 <u>1</u> 2
19. 7,490. <u>1</u>	20. 5.55 <u>3</u>	21. 0.000 <u>2</u> 3

15**Math Skills Maintenance*****Decimals and Place Value*****Write each number in words.**

1. 0.097	2. 56.093	3. 9.01
4. 1.432	5. 4.562	6. 2.222
7. 4.433	8. 7.932	9. 2.1841
10. 32.3	11. 84.39	12. 292.39
13. 2.2	14. 0.098	15. 2.342
16. 0.4443	17. 3.432	18. 0.2
19. 623.74	20. 9.0526	21. 9.3323

15**Math Skills Maintenance*****Decimals and Place Value*****Write each number as a decimal.**

1. twelve hundredths	2. five and eight tenths
3. eight and six hundredths	4. twenty and four hundred forty-five ten-thousandths
5. eight tenths	6. sixteen hundredths
7. fifty-one ten-thousandths	8. one hundred forty-five and seven thousandths
9. fifty and two tenths	10. eight and two hundred forty-three thousandths

16**Math Skills Maintenance*****Comparing and Ordering Decimals***

Replace each ● with $<$, $>$, or $=$ to make a true sentence.

1. $0.09 \bullet 0.009$	2. $0.143 \bullet 1.43$	3. $0.563 \bullet 9$
4. $0.00002 \bullet 0.0000001$	5. $0.956 \bullet 0.957$	6. $\text{three tenths} \bullet 0.3$
7. $\text{forty-five hundredths} \bullet 0.2$	8. $0.8 \bullet \text{eight ten-thousandths}$	9. $0.78 \bullet 0.5$

Order the given numbers from greatest to least.

10. $0.09, 0.008, 0.7654, 0.1$	11. $1.786, 89.09, 3.88, 0.875, 0.342$
12. $0.000007, 0.007, 0.07, 0.7, 0.0071$	13. $0.873, 0.0009876, 0.321, 0.965$

16**Math Skills Maintenance*****Comparing and Ordering Decimals*****Order the given numbers from least to greatest.**

1. 0.678, 0.67, 0.6, 0.90	2. 0.00087, 0.087, 0.87, 0.8, 0.000875
3. 0.987, 0.875, 0.9998, 0.978	4. 0.0001, 0.01, 0.0222, 0.00012

Replace each ● with <, >, or = to make a true sentence.

5. ninety-five ten-thousandths ● 0.0095	6. 0.987 ● 0.0008	7. one hundredth ● one
8. two thousand ● 0.002	9. 0.1 ● 0.0100	10. 0.72 ● 0.072
11. fifty-eight tenths ● 5.8	12. 0.0002 ● 0.00021	13. seven tenths ● 0.7

17**Math Skills Maintenance*****Adding Decimals*****Find each sum.**

1. 7.8 + 9.8	2. 7.09 + 5.03	3. 6.34 + 3.87
4. 0.98 + 0.84	5. $8.67 + 7.43 + 3.54 =$	6. $1.3 + 4.7 =$
7. 2.4 + 5.6	8. 4.7 + 2.9	9. 7.112 + 6.691
10. $5.76 + 4.34 =$	11. 5.890 + 7.981	12. $0.84 + 0.26 =$

Solve.

13. Craig ran a mile in 7.86 minutes. Then Denny ran a mile in 7.96 minutes. If they ran back to back, how long did it take until they were both finished running?	14. Glennville is located between Spoonville and Franklinton on Route 62. Spoonville is 192.23 miles from Glennville. It is 167.34 miles from Glennville to Franklinton. If Mr. Cuevas drives from Spoonville to Franklinton along Route 62, how many miles will he drive?
---	---

17**Math Skills Maintenance*****Adding Decimals***

Find each sum.

1. $\begin{array}{r} 45.09 \\ + 89.06 \\ \hline \end{array}$	2. $\begin{array}{r} 14.25 \\ + 9.8 \\ \hline \end{array}$	3. $\begin{array}{r} 7.980 \\ + 0.908 \\ \hline \end{array}$
4. $0.78 + 0.8 =$	5. $\begin{array}{r} \$432.35 \\ + \$45.20 \\ \hline \end{array}$	6. $78.98 + 5.76 =$
7. $89.9 + 76.98 =$	8. $\begin{array}{r} 5.6 \\ 1.29 \\ + 0.98 \\ \hline \end{array}$	9. $0.8 + 0.76 + 0.543 =$
10. $1.61 + 3.807 =$	11. $\begin{array}{r} 2.564 \\ + 7.908 \\ \hline \end{array}$	12. $\begin{array}{r} 16.09 \\ 56.98 \\ + 6.9 \\ \hline \end{array}$
13. $28.796 + 8.901 + 0.9 =$	14. $\begin{array}{r} 7.8 \\ + 7.9 \\ \hline \end{array}$	15. $\begin{array}{r} 67.9 \\ + 54.9 \\ \hline \end{array}$
16. $\begin{array}{r} 23.456 \\ 3.452 \\ + 0.930 \\ \hline \end{array}$	17. $\$3.45 + \$9.87 =$	18. $\begin{array}{r} 78.09 \\ + 8.5 \\ \hline \end{array}$

18**Math Skills Maintenance*****Subtracting Decimals***

Find each difference.

1. $\begin{array}{r} 9.36 \\ - 7.24 \\ \hline \end{array}$	2. $\begin{array}{r} 5.64 \\ - 1.57 \\ \hline \end{array}$	3. $\begin{array}{r} 46.31 \\ - 42.25 \\ \hline \end{array}$
4. $\begin{array}{r} 893.14 \\ - 736.57 \\ \hline \end{array}$	5. $\begin{array}{r} 5.8 \\ - 5.7 \\ \hline \end{array}$	6. $\begin{array}{r} 9.6542 \\ - 5.3214 \\ \hline \end{array}$
7. $581.2 - 106.8 =$	8. $\$78.64 - \$57.12 =$	9. $\begin{array}{r} 13.67 \\ - 10.79 \\ \hline \end{array}$
10. $\begin{array}{r} 333.33 \\ - 199.99 \\ \hline \end{array}$	11. $\begin{array}{r} 846.2 \\ - 624.1 \\ \hline \end{array}$	12. $\begin{array}{r} 623.34 \\ - 423.15 \\ \hline \end{array}$
13. $\begin{array}{r} 793.12 \\ - 754.19 \\ \hline \end{array}$	14. $\begin{array}{r} 1,082.11 \\ - 1,079.99 \\ \hline \end{array}$	15. $\begin{array}{r} 39,782.48 \\ - 26,547.44 \\ \hline \end{array}$
16. $\begin{array}{r} 54.36 \\ - 12.58 \\ \hline \end{array}$	17. $426.38 - 274.57 =$	18. $723.44 - 672.78 =$

18**Math Skills Maintenance*****Subtracting Decimals*****Find each difference.**

1. $\begin{array}{r} 9.6 \\ - 7.31 \\ \hline \end{array}$	2. $78.32 - 7.14 =$	3. $\begin{array}{r} 189.78 \\ - 3.87 \\ \hline \end{array}$
4. $8.1 - 4.75 =$	5. $\$84.25 - \$56.75 =$	6. $\begin{array}{r} 23 \\ - 17.46 \\ \hline \end{array}$
7. $\begin{array}{r} 782.91 \\ - 45.89 \\ \hline \end{array}$	8. $\begin{array}{r} 20.14 \\ - 8.087 \\ \hline \end{array}$	9. $\$32 - \$0.67 =$
10. $\begin{array}{r} 0.4 \\ - 0.248 \\ \hline \end{array}$	11. $5.89 - 0.0875 =$	12. $123 - 78.214 =$
13. $\begin{array}{r} 0.897 \\ - 0.457 \\ \hline \end{array}$	14. $\begin{array}{r} 9.407 \\ - 0.47 \\ \hline \end{array}$	15. $\begin{array}{r} 112.8 \\ - 87.98 \\ \hline \end{array}$

Solve.

16. Justyn has \$78.96 in her checking account. If she writes a check for \$15.75 to a charity, how much does Justyn have left in her checking account?	17. If a box of crackers has 7 servings in it and 5 people eat three-fourths of a serving each, how many servings are left?	18. Will buys an apple that costs \$0.75, a loaf of bread for \$1.25 and some lunch meat for \$4.56. How much money did Will spend?
---	---	---

19**Math Skills Maintenance*****Adding and Subtracting Decimals***

Find each sum or difference.

1. $\begin{array}{r} 9.3 \\ - 7.987 \\ \hline \end{array}$	2. $\begin{array}{r} 7,396.89 \\ + 86.9 \\ \hline \end{array}$	3. $73.98 + 0.3 =$
4. $\begin{array}{r} 73,210.58 \\ - 63,891.238 \\ \hline \end{array}$	5. $397.25 + 7.9 =$	6. $7.9 - 0.0987 =$
7. $\begin{array}{r} 0.4 \\ - 0.325 \\ \hline \end{array}$	8. $\begin{array}{r} 1.98 \\ + 17.98 \\ \hline \end{array}$	9. $397.98 - 56.78 =$
10. $0.128 + 7.9 + 89.78 =$	11. $\begin{array}{r} 963.21 \\ - 62.89 \\ \hline \end{array}$	12. $\begin{array}{r} 9,875.594 \\ + 0.98 \\ \hline \end{array}$
13. $893.7441 - 638.1660 =$	14. $\begin{array}{r} 0.089 \\ - 0.075 \\ \hline \end{array}$	15. $\begin{array}{r} 3.148 \\ + 0.789 \\ \hline \end{array}$

19**Math Skills Maintenance*****Adding and Subtracting Decimals*****Find each sum or difference.**

1. $\begin{array}{r} 8.93 \\ - 7.34 \\ \hline \end{array}$	2. $\begin{array}{r} 896.65 \\ + 423.79 \\ \hline \end{array}$	3. $731.97 - 342.14 =$
4. $\begin{array}{r} 3,014.365 \\ - 1,458.756 \\ \hline \end{array}$	5. $3.89 + 9.14 + 5.78 =$	6. $\begin{array}{r} 3,147.78 \\ - 2,478.41 \\ \hline \end{array}$
7. $\begin{array}{r} 5,324.978 \\ + 4,789.478 \\ \hline \end{array}$	8. $32.45 - 17.98 =$	9. $731.47 + 971.99 =$
10. $\begin{array}{r} 648.63 \\ - 479.99 \\ \hline \end{array}$	11. $976.64 - 813.99 =$	12. $\begin{array}{r} 931.257 \\ + 137.547 \\ \hline \end{array}$

Solve.

13. Susan buys her lunch in the cafeteria each day for a week. On Monday she spends \$1.50, on Tuesday \$2.25, on Wednesday \$1.76, on Thursday \$2.24, and on Friday \$3.42. How much money does Susan spend on lunch this week?	14. Alejandro was cleaning the couch and found 5 dimes, 10 pennies, 2 quarters, and 3 nickels. How much money did Alejandro find?
---	---

19**Math Skills Maintenance*****Adding and Subtracting Decimals*****Find each sum or difference.**

1. $\begin{array}{r} 796.32 \\ - 153.14 \\ \hline \end{array}$	2. $3.1 + 8.9 + 7.4 =$	3. $368.94 - 145.64 =$
4. $\begin{array}{r} 32.14 \\ + 45.97 \\ \hline \end{array}$	5. $\begin{array}{r} 6,378.24 \\ - 4,763.48 \\ \hline \end{array}$	6. $737.64 - 531.99 =$
7. $\begin{array}{r} 3,489.247 \\ + 7,632.324 \\ \hline \end{array}$	8. $\begin{array}{r} 45.36 \\ - 32.45 \\ \hline \end{array}$	9. $\begin{array}{r} 7.89 \\ 8.97 \\ + 3.12 \\ \hline \end{array}$
10. $364.89 - 234.99 =$	11. $\begin{array}{r} 763.47 \\ - 718.86 \\ \hline \end{array}$	12. $93.21 + 79.78 =$

Solve.

13. The individual times for one team in the women's 200 freestyle relay were 26.71 s, 27.89 s, 26.98 s, and 25.87 s. What was the team's combined time for the relay?	14. Avery can run a mile in 5.23 minutes. Casey can run a mile in 6.89 minutes. How much faster can Avery run a mile than Casey?
15. Kelly made \$300 and spent \$143.24 on clothes. The next week she made \$345.64 and spent \$123.23 on car insurance. After buying her clothes and car insurance, how much money did Kelly have?	16. Meredith is saving to buy a car. She has saved \$11,289.89. The car she wants costs \$12,283.93. How much more must Meredith save to buy the car?

20**Math Skills Maintenance*****Multiplying Decimals by Whole Numbers***

Find each product.

1. $\begin{array}{r} 743 \\ \times 1.3 \\ \hline \end{array}$	2. $\begin{array}{r} 21 \\ \times 7.8 \\ \hline \end{array}$	3. $\begin{array}{r} 687 \\ \times 0.8 \\ \hline \end{array}$
4. $\begin{array}{r} 378.7 \\ \times 458 \\ \hline \end{array}$	5. $\begin{array}{r} 578 \\ \times 0.2 \\ \hline \end{array}$	6. $0.3 \times 5,987 =$
7. $\begin{array}{r} 1,178 \\ \times 0.9 \\ \hline \end{array}$	8. $\begin{array}{r} 587 \\ \times 7.4 \\ \hline \end{array}$	9. $478 \times 45.8 =$
10. $6,478 \times 53.2 =$	11. $\begin{array}{r} 62.3 \\ \times 5 \\ \hline \end{array}$	12. $\begin{array}{r} 1,768 \\ \times 11.2 \\ \hline \end{array}$
13. $\begin{array}{r} 734.9 \\ \times 12 \\ \hline \end{array}$	14. $\begin{array}{r} 197 \\ \times 11.4 \\ \hline \end{array}$	15. $\begin{array}{r} 379 \\ \times 5.7 \\ \hline \end{array}$
16. $\begin{array}{r} 3,796 \\ \times 0.8 \\ \hline \end{array}$	17. $574 \times 9.8 =$	18. $\begin{array}{r} \$4.80 \\ \times 18 \\ \hline \end{array}$
19. $375.2 \times 63 =$	20. $0.3 \times 7,318 =$	21. $\begin{array}{r} 637.8 \\ \times 11 \\ \hline \end{array}$

Math Skills Maintenance***Multiplying Decimals by Whole Numbers*****Find each product.**

1. $\begin{array}{r} 813 \\ \times 3.25 \\ \hline \end{array}$	2. $\begin{array}{r} 7,138 \\ \times \$0.25 \\ \hline \end{array}$	3. $671 \times 78.76 =$
4. $\begin{array}{r} 137 \\ \times 8.74 \\ \hline \end{array}$	5. $\begin{array}{r} \$579.14 \\ \times 128 \\ \hline \end{array}$	6. $\begin{array}{r} 45 \\ \times 0.75 \\ \hline \end{array}$
7. $\begin{array}{r} 6,713 \\ \times 4.74 \\ \hline \end{array}$	8. $475 \times 47.97 =$	9. $579.14 \times 84 =$
10. $\begin{array}{r} 463.17 \\ \times 43 \\ \hline \end{array}$	11. $\begin{array}{r} 1,379 \\ \times \$1.74 \\ \hline \end{array}$	12. $\begin{array}{r} 4,792 \\ \times 8.31 \\ \hline \end{array}$
13. $3,741 \times 62.37 =$	14. $\begin{array}{r} 478.21 \\ \times 21 \\ \hline \end{array}$	15. $\begin{array}{r} 3,789 \\ \times 7.65 \\ \hline \end{array}$

Solve.

16. A snack-size bag of peanuts costs \$0.45. Akita buys 15 bags. How much did she spend on peanuts?	17. Arturo has \$25.32 and he wants to buy some action figures that cost \$2.65 a piece. Does Arturo have enough money to buy 12 action figures?
--	--

21**Math Skills Maintenance*****Dividing Decimals by Whole Numbers*****Find each quotient. Round to the nearest hundredth if necessary.**

1. $5 \overline{)48.25}$	2. $16 \overline{)67.4}$	3. $31 \overline{)374.1}$
4. $22 \overline{)9.244}$	5. $475.209 \div 32 =$	6. $0.94 \div 3 =$
7. $8.47 \div 7 =$	8. $78 \overline{)984.18}$	9. $52 \overline{)5,418.37}$
10. $94.21 \div 6 =$	11. $8,432.81 \div 14 =$	12. $18 \overline{)9,478.88}$
13. $8 \overline{)68.97}$	14. $58.14 \div 3 =$	15. $23 \overline{)217,896}$

21**Math Skills Maintenance*****Dividing Decimals by Whole Numbers***

Find each quotient. Round to the nearest hundredth if necessary.

1. $12 \overline{)514.89}$	2. $4 \overline{)58.72}$	3. $21 \overline{)79.451}$
4. $8.6 \div 4 =$	5. $84.24 \div 12 =$	6. $9 \overline{)78.98}$
7. $68 \overline{)6,648.54}$	8. $99.98 \div 6 =$	9. $5,321.87 \div 27 =$

Solve.

10. Bill gives his 3 children \$20.75 to spend at the fair. How much can each child spend if the money is divided evenly among them?	11. It takes Jessica 23.42 minutes to run 4 miles. How long should it take her to run 1 mile?
12. The price for 11 people to see a movie was \$79.75. How much was each ticket?	13. MagicClean steamcleans carpet and charges a fixed price per room. If the charge is \$120.35 to clean an 8-room house, how much does it cost to clean each room?

Math Skills Maintenance***Multiplying and Dividing Decimals by Whole Numbers***

Find each product or quotient. Round to the nearest hundredth if necessary.

1. $9 \overline{)15.9}$	2. $\begin{array}{r} 18.35 \\ \times 14 \\ \hline \end{array}$	3. $130.8 \div 14 =$
4. $\$15.31 \div 5 =$	5. $26 \overline{)54.9}$	6. $25.31 \times 9 =$
7. $\begin{array}{r} 56.78 \\ \times 45 \\ \hline \end{array}$	8. $\begin{array}{r} 0.2894 \\ \times 8 \\ \hline \end{array}$	9. $8,456.21 \times 25 =$
10. $34.66 \div 19 =$	11. $8 \overline{)97.24}$	12. $5.6 \times 39 =$
13. $\begin{array}{r} 15.48 \\ \times 73 \\ \hline \end{array}$	14. $33 \overline{)89.62}$	15. $15.5 \div 50 =$

Math Skills Maintenance***Multiplying and Dividing Decimals by Whole Numbers***

Find each product or quotient. Round to the nearest hundredth if necessary.

1. $\begin{array}{r} 158.34 \\ \times 73 \\ \hline \end{array}$	2. $\begin{array}{r} 0.2548 \\ \times 65 \\ \hline \end{array}$	3. $3.214 \div 26 =$
4. $4 \overline{)845.22}$	5. $36 \overline{)70.34}$	6. $65.64 \times 22 =$
7. $3.14 \times 52 =$	8. $78.98 \div 6 =$	9. $\begin{array}{r} 3.21 \\ \times 58 \\ \hline \end{array}$
10. $5 \overline{)0.4587}$	11. $47.58 \times 56 =$	12. $7 \overline{)638.48}$

Solve. Round each answer to the nearest hundredth.

13. Martina bought a 12-ounce jug of juice for \$1.24. What was the cost per ounce?	14. Jeff and his 2 sisters found \$23.45 during this year's scavenger hunt. They decided to divide the money evenly. How much did each of them keep?
---	--

Math Skills Maintenance***Multiplying and Dividing Decimals by Whole Numbers***

Find each product or quotient. Round to the nearest hundredth if necessary.

1. $\begin{array}{r} 426.36 \\ \times \quad 53 \\ \hline \end{array}$	2. $631.21 \div 31 =$	3. $3 \overline{)0.1458}$
4. $63.12 \times 56 =$	5. $15 \overline{)87.24}$	6. $\begin{array}{r} 0.0254 \\ \times \quad 566 \\ \hline \end{array}$
7. $\begin{array}{r} 65.47 \\ \times \quad 2 \\ \hline \end{array}$	8. $12 \overline{)364.2}$	9. $7.32 \times 52 =$

Solve. Round each answer to the nearest hundredth.

10. Diego owns 4.32 acres. If he wanted to divide his land into 5 equal parts, how big would each part be?	11. Susannah swims 5 miles in 30.89 minutes. What is her average time per mile?
12. Mr. Jameson traveled 459.47 miles in 3 hours. How many miles did he average per hour on his trip?	13. Sonya uses 8.56 pounds of sugar to make a desert that serves 17 people. How much sugar is needed per serving?

23**Math Skills Maintenance*****Operations with Decimals***

Find each sum, difference, product, or quotient. Round to the nearest hundredth if necessary.

1. $4.57 \times 74 =$	2. $8.45 - 2.6 =$	3. $845.25 + 49.27 =$
4. $7\overline{)84,567.12}$	5. $459.23 \times 87 =$	6. $2.67 \times 5 =$
7. $\begin{array}{r} 423.23 \\ - 48.45 \\ \hline \end{array}$	8. $\begin{array}{r} 6,989.87 \\ + 178.41 \\ \hline \end{array}$	9. $64.87 \div 47 =$
10. $\begin{array}{r} 0.687 \\ \times 9 \\ \hline \end{array}$	11. $\begin{array}{r} 78.98 \\ + 570.07 \\ \hline \end{array}$	12. $67\overline{)484.73}$
13. $9.87 \times 23 =$	14. $8,899.76 \div 2 =$	15. $\begin{array}{r} 887.4 \\ - 145.3 \\ \hline \end{array}$
16. $\begin{array}{r} 1.897 \\ + 5.148 \\ \hline \end{array}$	17. $189.8 \div 77 =$	18. $\begin{array}{r} 0.9487 \\ \times 823 \\ \hline \end{array}$
19. $54\overline{)98.76}$	20. $\begin{array}{r} 987.43 \\ - 547.21 \\ \hline \end{array}$	21. $\begin{array}{r} 478 \\ + 7.954 \\ \hline \end{array}$

Math Skills Maintenance***Operations with Decimals***

Find each sum, difference, product, or quotient. Round to the nearest hundredth if necessary.

1. $6.74 + 1.78 =$	2. $\begin{array}{r} 45.15 \\ + 21.87 \\ \hline \end{array}$	3. $31\overline{)943.89}$
4. $1.79 \times 30 =$	5. $94.32 \div 6 =$	6. $\begin{array}{r} 3.79 \\ \times 8 \\ \hline \end{array}$
7. $\begin{array}{r} 648.87 \\ - 47.99 \\ \hline \end{array}$	8. $\begin{array}{r} 897.1 \\ - 23.4 \\ \hline \end{array}$	9. $32.14 \times 4 =$
10. $\begin{array}{r} 45.12 \\ \times 47 \\ \hline \end{array}$	11. $15\overline{)76.545}$	12. $33\overline{)48.12}$
13. $7.415 + 47.5 =$	14. $\begin{array}{r} 845.59 \\ + 0.61 \\ \hline \end{array}$	15. $\begin{array}{r} 12.81 \\ \times 7 \\ \hline \end{array}$
16. $74.31 \div 18 =$	17. $\begin{array}{r} 9.17 \\ - 9.07 \\ \hline \end{array}$	18. $\begin{array}{r} 13.67 \\ + 74.11 \\ \hline \end{array}$
19. $0.999 \times 14 =$	20. $53.4 \div 8 =$	21. $\begin{array}{r} 11.947 \\ \times 9 \\ \hline \end{array}$

23**Math Skills Maintenance*****Operations with Decimals***

Find each sum, difference, product, or quotient. Round to the nearest hundredth if necessary.

1. $16 \overline{)64.23}$	2. $\begin{array}{r} 617.23 \\ - 0.47 \\ \hline \end{array}$	3. $\begin{array}{r} 97.83 \\ + 7.89 \\ \hline \end{array}$
4. $65.12 \times 3 =$	5. $8.47 + 5.62 =$	6. $8.45 \times 5 =$
7. $78.44 \div 12 =$	8. $\begin{array}{r} 95.64 \\ \times 7 \\ \hline \end{array}$	9. $\begin{array}{r} 1.23 \\ \times 5 \\ \hline \end{array}$
10. $55 \overline{)102.23}$	11. $\begin{array}{r} 78.54 \\ + 12.36 \\ \hline \end{array}$	12. $\begin{array}{r} 45.44 \\ + 32.14 \\ \hline \end{array}$
13. $\begin{array}{r} 32.14 \\ - 7.71 \\ \hline \end{array}$	14. $873.14 - 40.45 =$	15. $\begin{array}{r} 0.78 \\ \times 97 \\ \hline \end{array}$

Math Skills Maintenance***Operations with Decimals***

Find each sum, difference, product, or quotient. Round to the nearest hundredth if necessary.

1. $61.23 \div 24 =$	2. $\begin{array}{r} 647.27 \\ + 49.15 \\ \hline \end{array}$	3. $97.31 - 67 =$
4. $\begin{array}{r} 94.23 \\ \times 7 \\ \hline \end{array}$	5. $\begin{array}{r} 45.53 \\ - 7.57 \\ \hline \end{array}$	6. $54 \overline{)863.14}$
7. $9 \times 67.17 =$	8. $719.31 \div 39 =$	9. $\begin{array}{r} 179.23 \\ + 99.23 \\ \hline \end{array}$
10. $115 \times 5.21 =$	11. $8 \overline{)87.14}$	12. $\begin{array}{r} 0.67 \\ \times 9 \\ \hline \end{array}$

Solve.

13. The championship team received \$24,980.43 for winning the game. If 5 players get to split the money, how much does each person get?	14. Erinn and her friends are buying 8 pairs of sunglasses. If each pair of sunglasses costs \$12.99, how much will Erinn and her friends spend?
15. Taylor went to the concession stand and bought a hotdog for \$1.50, a soda for \$0.75 and a candy bar for \$0.55. How much did she spend? What was her change if she paid with a \$5.00 bill?	16. Tameka can run a mile in 7 minutes and 15 seconds. Kelsey can run a mile in 8 minutes and 5 seconds. How much faster can Tameka run a mile than Kelsey?

Math Skills Maintenance***Rounding Decimals*****Round each number to the nearest tenth.**

1. 56.321	2. 9.32145	3. 18,973.354
4. 4,978.6887	5. 7,893.214	6. 5.264

Round each number to the nearest hundredth.

7. 578.3589	8. 789,125.6987896	9. 97.954
10. 789.1798	11. 12.47874	12. 1.4532

Round each number to the nearest thousandth.

13. 7.38795	14. 2.87965421	15. 179.54789
16. 5.1473569	17. 7.89785	18. 7.21432

24**Math Skills Maintenance*****Rounding Decimals***

Express each decimal rounded to the tenth, hundredth, and thousandth.

1. 1.87965	2. 478.2145
3. 793.148796	4. 0.15879
5. 831.14875	6. 5,687.148713
7. 7.214789	8. 9.314512
9. 14,757.3148965	10. 6.2147866

25**Math Skills Maintenance*****Estimating with Decimals*****Estimate by rounding.**

1. $\begin{array}{r} 25.67 \\ + 14.23 \\ \hline \end{array}$	2. $\begin{array}{r} 6.3 \\ \times 7.8 \\ \hline \end{array}$	3. $8.2 \overline{)64.2}$
4. $\begin{array}{r} 369.14 \\ - 78.98 \\ \hline \end{array}$	5. $\begin{array}{r} 87.3 \\ - 45.8 \\ \hline \end{array}$	6. $89.6 \times 3.9 =$
7. $52.7 + 9.3 =$	8. $2.9 \overline{)12.3}$	9. $123.7 \div 4 =$
10. $\begin{array}{r} 67.86 \\ - 24.35 \\ \hline \end{array}$	11. $3.9 + 4.3 + 7.4 =$	12. $\begin{array}{r} 8.9 \\ \times 7.3 \\ \hline \end{array}$
13. $2.7 \overline{)8.99}$	14. $\begin{array}{r} \$893.62 \\ + \$429.31 \\ \hline \end{array}$	15. $49.65 \div 26.4 =$
16. $23.3 \overline{)119}$	17. $\begin{array}{r} 78.9 \\ - 15.7 \\ \hline \end{array}$	18. $\begin{array}{r} 6.8 \\ 2.3 \\ + 1.9 \\ \hline \end{array}$

Math Skills Maintenance***Estimating with Decimals*****Estimate by clustering.**

1. 50.9 52.7 48.3 + 49.1 <u> </u>	2. $12.9 + 10.2 + 11.3 + 11.5 + 10.9 =$
3. 7.6 8.2 9.9 8.4 + 7.3 <u> </u>	4. $101.9 + 100.3 + 99.8 + 100.3 =$

Estimate by rounding.

5. $54.5 \times 6.9 =$	6. $7.8 \overline{)33.5}$	7. 23.87 - 17.81 <u> </u>
8. 116.89 <u>× 0.99</u>	9. $84.25 - 21.36 =$	10. $14.7 \overline{)54.3}$
11. $36.48 + 3.1 =$	12. $48.2 \div 5.9 =$	13. 4.8 <u>× 3.9</u>

25**Math Skills Maintenance*****Estimating with Decimals*****Estimate. Use an appropriate strategy.**

1. $15.8 + 79.6 =$	2. $\begin{array}{r} 4.6 \\ \times 7.9 \\ \hline \end{array}$	3. $\begin{array}{r} 7.8 \\ 9.1 \\ 8.5 \\ + 8.1 \\ \hline \end{array}$
4. $4.9 \overline{)48.7}$	5. $\begin{array}{r} 87.6 \\ - 13.5 \\ \hline \end{array}$	6. $65.7 \div 3.7 =$
7. $1.3 + 2.5 + 3.9 + 1.2 =$	8. $12.8 \times 3.8 =$	9. $\begin{array}{r} 74.5 \\ - 5.6 \\ \hline \end{array}$

Solve using estimation.

10. Jenna bought 2.9 pounds of chocolate-covered peanuts. If the peanuts are \$4.30 per pound, about how much did Jenna spend?	11. Jill's car weighs 3.23 tons. Maria's car weighs 13.2 tons. About how many times heavier is Maria's car than Jill's?
12. Deshawn has a glass with 8.31 ounces of water in it. Lizzie has a glass with 4.6 ounces of water in it. About how much more water does Deshawn have than Lizzie?	13. A bottle contains 62.7 ounces of iced tea. If a drinking glass holds 9.2 ounces of tea, about how many glasses can be filled?

26**Math Skills Maintenance*****Powers of Ten*****Multiply mentally.**

1. $0.006 \times 100 =$	2. $7.89 \times 10^3 =$	3. $4.847 \times 10^4 =$
4. $0.147 \times 1,000 =$	5. $1.4736 \times 10^4 =$	6. $2.78 \times 10 =$
7. $8.94 \times 10^2 =$	8. $7.41 \times 1,000 =$	9. $2.54735 \times 10^6 =$
10. $4.32 \times 10^3 =$	11. $12.5487 \times 10^7 =$	12. $63.14 \times 100 =$
13. $153.14 \times 10,000 =$	14. $4.1478 \times 10^5 =$	15. $9.124 \times 10^2 =$
16. $1.478 \times 100 =$	17. $123.789 \times 10^3 =$	18. $94.31 \times 10 =$
19. $67.46 \times 1,000 =$	20. $20.519 \times 10^5 =$	21. $0.425 \times 10^2 =$

26**Math Skills Maintenance*****Powers of Ten*****Multiply mentally.**

1. $7.89 \times 10^2 =$	2. $463.214 \times 10^4 =$	3. $79.148 \times 1,000 =$
4. $15.21 \times 0.01 =$	5. $2.135 \times 10^3 =$	6. $6.178 \times 10^0 =$
7. $1.1547 \times 10^4 =$	8. $4.78732 \times 10^6 =$	9. $310.014 \times 0.001 =$
10. $2.014 \times 1,000 =$	11. $8.945 \times 10 =$	12. $5.5465 \times 10^6 =$
13. $0.1234 \times 10^4 =$	14. $127.14 \times 0.001 =$	15. $12.314 \times 10^2 =$
16. $99.214 \times 1,000 =$	17. $13.47 \times 10^3 =$	18. $0.01 \times 16 =$
19. $946.4 \times 100 =$	20. $43.15 \times 0.1 =$	21. $0.001 \times 0.64 =$

27**Math Skills Maintenance*****Equivalent Fractions***

Replace each ■ with a number so that the fractions are equivalent.

1. $\frac{6}{8} = \frac{\blacksquare}{12}$	2. $\frac{15}{24} = \frac{10}{\blacksquare}$	3. $\frac{2}{9} = \frac{\blacksquare}{36}$
4. $\frac{1}{2} = \frac{18}{\blacksquare}$	5. $\frac{15}{40} = \frac{3}{\blacksquare}$	6. $\frac{16}{24} = \frac{\blacksquare}{18}$
7. $\frac{13}{11} = \frac{\blacksquare}{44}$	8. $\frac{20}{24} = \frac{5}{\blacksquare}$	9. $\frac{3}{8} = \frac{15}{\blacksquare}$
10. $\frac{17}{34} = \frac{12}{\blacksquare}$	11. $\frac{12}{16} = \frac{\blacksquare}{8}$	12. $\frac{12}{14} = \frac{\blacksquare}{21}$
13. $\frac{10}{8} = \frac{25}{\blacksquare}$	14. $\frac{22}{11} = \frac{\blacksquare}{16}$	15. $\frac{2}{3} = \frac{8}{\blacksquare}$
16. $\frac{5}{25} = \frac{15}{\blacksquare}$	17. $\frac{6}{4} = \frac{3}{\blacksquare}$	18. $\frac{24}{4} = \frac{6}{\blacksquare}$

27**Math Skills Maintenance*****Equivalent Fractions*****Find any fraction equivalent to the given fraction.**

1. $\frac{4}{5}$	2. $\frac{17}{35}$	3. $\frac{11}{22}$
4. $\frac{12}{40}$	5. $\frac{18}{46}$	6. $\frac{5}{20}$
7. $\frac{45}{60}$	8. $\frac{8}{14}$	9. $\frac{4}{16}$

Find three fractions equivalent to each given fraction.

10. $\frac{5}{6}$	11. $\frac{7}{8}$
12. $\frac{15}{90}$	13. $\frac{18}{46}$

28**Math Skills Maintenance*****Simplifying Fractions***

Write each fraction in simplest form.

1. $\frac{24}{8}$	2. $\frac{8}{9}$	3. $\frac{8}{12}$
4. $\frac{16}{10}$	5. $\frac{6}{25}$	6. $\frac{9}{12}$
7. $\frac{15}{45}$	8. $\frac{85}{95}$	9. $\frac{4}{28}$
10. $\frac{9}{54}$	11. $\frac{16}{58}$	12. $\frac{45}{100}$
13. $\frac{1}{8}$	14. $\frac{32}{68}$	15. $\frac{33}{99}$
16. $\frac{48}{98}$	17. $\frac{22}{88}$	18. $\frac{36}{86}$

28**Math Skills Maintenance*****Simplifying Fractions*****Write each fraction in simplest form.**

1. $\frac{5}{25}$	2. $\frac{15}{3}$	3. $\frac{16}{58}$
4. $\frac{18}{280}$	5. $\frac{6}{18}$	6. $\frac{12}{144}$
7. $\frac{14}{98}$	8. $\frac{2}{7}$	9. $\frac{6}{8}$

Solve. Write each answer in simplest form.

10. Ana had softball practice for 2 hours. She practiced pitching for 20 minutes. For what fraction of the time did she practice pitching?	11. Michelle went to Spain for 22 days in June. What fraction of the month of June did Michelle spend in Spain?
12. Lee has 20 cousins. If 12 of Lee's cousins came to the family reunion, what fraction of his cousins attended?	13. The gas tank in Michael's car can hold 18.0 gallons. If the tank currently contains 5.5 gallons, what fraction of the tank is full?

29**Math Skills Maintenance*****Mixed Numbers and Improper Fractions***

Write each improper fraction as a mixed number in simplest form.

1. $\frac{84}{26}$	2. $\frac{64}{47}$	3. $\frac{23}{4}$
4. $\frac{88}{16}$	5. $\frac{36}{14}$	6. $\frac{14}{3}$
7. $\frac{13}{11}$	8. $\frac{9}{2}$	9. $\frac{29}{4}$
10. $\frac{15}{9}$	11. $\frac{27}{5}$	12. $\frac{34}{15}$
13. $\frac{18}{7}$	14. $\frac{78}{54}$	15. $\frac{21}{18}$

Math Skills Maintenance***Mixed Numbers and Improper Fractions***

Write each mixed number as an improper fraction.

1. $8\frac{4}{5}$	2. $6\frac{3}{4}$	3. $3\frac{1}{2}$
4. $1\frac{11}{12}$	5. $4\frac{17}{19}$	6. $5\frac{13}{16}$
7. $7\frac{1}{7}$	8. $3\frac{5}{6}$	9. $5\frac{9}{10}$
10. $2\frac{3}{4}$	11. $7\frac{1}{8}$	12. $11\frac{6}{19}$
13. $2\frac{1}{7}$	14. $8\frac{7}{9}$	15. $5\frac{2}{3}$

29**Math Skills Maintenance*****Mixed Numbers and Improper Fractions***

Write each mixed number as an improper fraction, and each improper fraction as a mixed number.

1. $\frac{9}{5}$	2. $5\frac{3}{8}$	3. $3\frac{1}{19}$
4. $\frac{17}{5}$	5. $\frac{29}{15}$	6. $9\frac{6}{11}$
7. $14\frac{2}{3}$	8. $\frac{32}{31}$	9. $7\frac{7}{12}$
10. $2\frac{3}{4}$	11. $7\frac{1}{8}$	12. $11\frac{6}{19}$
13. $\frac{14}{3}$	14. $12\frac{1}{13}$	15. $\frac{45}{23}$

Math Skills Maintenance***Adding Fractions with Like Denominators*****Add. Write each sum in simplest form.**

1. $\frac{5}{8} + \frac{1}{8} =$	2. $\frac{10}{11} + \frac{5}{11} =$	3. $\frac{4}{9} + \frac{3}{9} =$
4. $\frac{9}{17} + \frac{8}{17} =$	5. $\frac{4}{15} + \frac{9}{15} =$	6. $\frac{1}{6} + \frac{3}{6} =$
7. $\begin{array}{r} \frac{1}{3} \\ + \frac{1}{3} \\ \hline \end{array}$	8. $\begin{array}{r} \frac{5}{12} \\ + \frac{8}{12} \\ \hline \end{array}$	9. $\frac{11}{16} + \frac{7}{16} =$
10. $\frac{2}{10} + \frac{9}{10} =$	11. $\frac{13}{25} + \frac{9}{25} =$	12. $\begin{array}{r} 5\frac{8}{11} \\ + 7\frac{1}{11} \\ \hline \end{array}$
13. $\frac{5}{19} + \frac{7}{19} =$	14. $\begin{array}{r} 8\frac{1}{9} \\ + 7\frac{4}{9} \\ \hline \end{array}$	15. $\frac{2}{8} + \frac{3}{8} =$

30**Math Skills Maintenance*****Adding Fractions with Like Denominators*****Add. Write each sum in simplest form.**

1. $\frac{9}{12} + \frac{8}{12} =$	2. $\frac{7}{10} + \frac{2}{10} =$	3. $\begin{array}{r} 4\frac{5}{6} \\ + 9\frac{1}{6} \\ \hline \end{array}$
4. $\frac{7}{17} + \frac{9}{17} =$	5. $\begin{array}{r} 4\frac{7}{16} \\ + 16\frac{7}{16} \\ \hline \end{array}$	6. $\begin{array}{r} 13\frac{1}{4} \\ + 8\frac{2}{4} \\ \hline \end{array}$
7. $\frac{9}{20} + \frac{5}{20} =$	8. $\frac{4}{12} + \frac{7}{12} =$	9. $\frac{16}{39} + \frac{23}{39} =$
10. $\frac{7}{16} + \frac{9}{16} =$	11. $\frac{5}{7} + \frac{2}{7} =$	12. $\begin{array}{r} 7\frac{2}{9} \\ + 4\frac{3}{9} \\ \hline \end{array}$

Solve. Write each answer in simplest form.

13. Renata has $2\frac{1}{2}$ feet of yarn for art class. Mrs. Jackson gives her $1\frac{1}{2}$ feet more. How much yarn does she have now?	14. If $\frac{9}{22}$ of the class voted to have pizza at the class party and $\frac{3}{22}$ of the class voted to have hotdogs, what fraction of the class voted to have pizza or hotdogs?
---	---

31**Math Skills Maintenance*****Subtracting Fractions with Like Denominators*****Subtract. Write each difference in simplest form.**

1. $\frac{5}{6} - \frac{4}{6} =$	2. $\frac{6}{8} - \frac{4}{8} =$	3. $\frac{9}{13} - \frac{7}{13} =$
4. $\frac{11}{23} - \frac{5}{23} =$	5. $\frac{6}{18} - \frac{5}{18} =$	6. $\frac{8}{19} - \frac{4}{19} =$
7. $\frac{17}{21} - \frac{15}{21} =$	8. $\begin{array}{r} 5\frac{9}{14} \\ - 2\frac{2}{14} \\ \hline \end{array}$	9. $\begin{array}{r} 6\frac{5}{6} \\ - 4\frac{1}{6} \\ \hline \end{array}$
10. $\frac{7}{16} - \frac{5}{16} =$	11. $\frac{16}{25} - \frac{14}{25} =$	12. $\begin{array}{r} 25\frac{7}{9} \\ - 14\frac{5}{9} \\ \hline \end{array}$
13. $\frac{43}{52} - \frac{25}{52} =$	14. $\begin{array}{r} 15\frac{2}{3} \\ - 12\frac{1}{3} \\ \hline \end{array}$	15. $\frac{8}{15} - \frac{1}{15} =$

31**Math Skills Maintenance*****Subtracting Fractions with Like Denominators*****Subtract. Write each difference in simplest form.**

1. $\frac{10}{12} - \frac{7}{12} =$	2. $\frac{16}{28} - \frac{4}{28} =$	3. $\begin{array}{r} 8\frac{8}{17} \\ - 5\frac{5}{17} \\ \hline \end{array}$
4. $\frac{6}{7} - \frac{3}{7} =$	5. $\begin{array}{r} 3\frac{17}{24} \\ - 3\frac{12}{24} \\ \hline \end{array}$	6. $\frac{8}{9} - \frac{2}{9} =$
7. $\frac{16}{27} - \frac{14}{27} =$	8. $8\frac{2}{5} - 7\frac{1}{5} =$	9. $7 - 4\frac{2}{3} =$
10. $\begin{array}{r} 7\frac{6}{7} \\ - 7\frac{1}{7} \\ \hline \end{array}$	11. $\frac{36}{54} - \frac{22}{54} =$	12. $10\frac{5}{16} - 8\frac{4}{16} =$

Solve. Write each answer in simplest form.

13. Lawrence is 6 feet $\frac{3}{4}$ inches tall. Netta is 5 feet $\frac{1}{4}$ inches tall. How much taller is Lawrence than Netta?	14. The concession stand has $100\frac{5}{8}$ liters of water at the beginning of the game. Before the first pitch, $8\frac{2}{8}$ liters of water is sold. How much water is left?
--	---

Math Skills Maintenance***Adding and Subtracting Fractions with Like Denominators*****Add or subtract. Write each answer in simplest form.**

1. $\frac{8}{17} + \frac{7}{17} =$	2. $\frac{15}{34} + \frac{12}{34} =$	3. $\frac{10}{12} - \frac{8}{12} =$
4. $\begin{array}{r} 17\frac{5}{6} \\ + 12\frac{2}{6} \\ \hline \end{array}$	5. $\begin{array}{r} \frac{4}{15} \\ \frac{1}{15} \\ + \frac{2}{15} \\ \hline \end{array}$	6. $\frac{8}{13} - \frac{1}{13} =$
7. $\frac{15}{84} + \frac{37}{84} =$	8. $5\frac{7}{9} + 7\frac{8}{9} =$	9. $\begin{array}{r} 14\frac{3}{5} \\ - 3\frac{1}{5} \\ \hline \end{array}$
10. $12\frac{11}{12} - 4\frac{7}{12} =$	11. $\frac{8}{10} - \frac{2}{10} =$	12. $15\frac{1}{9} + 15\frac{5}{9} =$
13. $\begin{array}{r} 45\frac{8}{9} \\ - 45\frac{5}{9} \\ \hline \end{array}$	14. $\begin{array}{r} \frac{7}{15} \\ + \frac{4}{15} \\ \hline \end{array}$	15. $\frac{11}{16} - \frac{5}{16} =$

32**Math Skills Maintenance*****Adding and Subtracting Fractions with Like Denominators*****Add or subtract. Write each answer in simplest form.**

1. $\frac{15}{23} - \frac{12}{23} =$	2. $\begin{array}{r} 8\frac{7}{9} \\ - 6\frac{3}{9} \\ \hline \end{array}$	3. $\frac{8}{12} - \frac{7}{12} =$
4. $5\frac{1}{5} + 7\frac{2}{5} =$	5. $\begin{array}{r} 7\frac{82}{98} \\ + 15\frac{10}{98} \\ \hline \end{array}$	6. $\frac{12}{45} - \frac{10}{45} =$
7. $\begin{array}{r} 5\frac{4}{5} \\ - 2\frac{1}{5} \\ \hline \end{array}$	8. $\frac{2}{3} + \frac{1}{3} =$	9. $\frac{15}{30} + \frac{20}{30} =$
10. $1\frac{12}{15} - \frac{11}{15} =$	11. $\frac{8}{6} - \frac{5}{6} =$	12. $6\frac{2}{3} + 15\frac{7}{3} =$
13. $\frac{18}{25} + \frac{5}{25} =$	14. $\frac{1}{245} + \frac{56}{245} =$	15. $76\frac{6}{10} - 45\frac{2}{10} =$

33**Math Skills Maintenance*****Identifying Properties***

Identify the property shown by each equation.

1. $10 + (3 + 5) = (10 + 3) + 5$	2. $22 \times 13 = 13 \times 22$
3. $17 \times 1 = 17$	4. $8(1 + 3) = 8(1) + 8(3)$
5. $7 \times (9 \times 10) = (7 \times 9) \times 10$	6. $25 + 0 = 25$
7. $9(18) + 9(2) = 9(18 + 2)$	8. $(8 + 13) + 0 = (8 + 13)$
9. $62 \times 1 = 1 \times 62$	10. $3(5 + 7) = (5 + 7)3$
11. $35 \times 120 + 35 \times 80 = 35(120 + 80)$	12. $(6 \times 8) \times 1 = (6 \times 8)$
13. $0 + 125 = 125 + 0$	14. $0 + (9 \times 8) = (9 \times 8)$

33**Math Skills Maintenance*****Identifying Properties*****Identify the property shown by each equation.**

1. $39 \times 1 = 39$	2. $5 \times (12 \times 20) = (5 \times 12) \times 20$
3. $22 + (43 + 45) = (22 + 43) + 45$	4. $12(2 + 8) = 12(2) + 12(8)$
5. $72 + 0 = 72$	6. $49 \times 2 = 2 \times 49$
7. $125 \times 1 = 1 \times 125$	8. $15(17) + 15(3) = 15(17 + 3)$
9. $43 + (4 + 6) = (4 + 6) + 43$	10. $0 + 388 = 388 + 0$
11. $(12 + 20) \times 1 = (12 + 20)$	12. $(43 + 22) + 0 = (43 + 22)$
13. $(6 \times 5) + 0 = (6 \times 5)$	14. $63 \times 75 + 63 \times 25 = 63(75 + 25)$

34**Math Skills Maintenance*****Using Properties*****Simplify each expression. Tell which property you used.**

1. 8×32	2. $52 + (8 + 37)$
3. 15×11	4. $(7 + 3) \times 1$
5. $125 + (75 + 50)$	6. 46×12
7. $(63 + 85) + 15$	8. $68 + (32 + 45)$
9. $45 + 29 + 25$	10. 17×105
11. $(99 \times 5) \times 2$	12. $(8 \cdot 9) + 0$
13. $25 \times 84 \times 4$	14. $4 \times 120 \times 5$

34**Math Skills Maintenance*****Using Properties*****Simplify each expression. Tell which property you used.**

1. $43 + (37 + 50)$	2. $67 + 240 + 33$
3. 82×11	4. $(235 \times 5) \times 2$
5. 45×12	6. $4 \times 320 \times 5$
7. $185 + 94 + 15$	8. $(48 + 12) \cdot 1$
9. $84 + (6 + 125)$	10. $6 \times 91 \times 5$
11. $(367 + 57) + 43$	12. $0 + (9 \times 5)$
13. 99×15	14. $250 \times 59 \times 4$

Math Skills Maintenance***Measurement: The Customary System***

Complete each sentence with the most reasonable unit of measure: inch(es), foot(feet), yard(s), mile(s), cup(s), pint(s), quarts(s), gallon(s), ounce(s), pound(s), or ton(s).

1. A glass of water contains 8 ____? ____.	2. A computer weighs 25 ____? ____.
3. That truck weighs 10 ____? ____.	4. A grey squirrel is about 11 ____? ____ long.

Complete.

5. 8 pt = 4 ____? ____	6. 5 c = 2.5 ____? ____
7. 96 oz = 6 ____? ____	8. 5 T = 10,000 ____? ____
9. 2.5 lbs = 40 ____? ____	10. 2 T = 4,000 ____? ____

Estimate.

11. the amount of water in a pool	12. the weight of a penny
13. the weight of a car	14. the weight of a newborn baby

36**Math Skills Maintenance*****Measurement: The Metric System*****Complete each sentence with the most reasonable unit of measure.**

1. 470 mm = 47 ____?	2. 0.8 L = 800 ____?
3. 68.2 kg = 68,200 ____?	4. 9,876 g = 9.876 ____?
5. 15.4 cm = 0.154 ____?	6. 1.1 m = 110 ____?
7. 1.8 km = 1,800 ____?	8. 30 g = 0.03 ____?
9. There are 0.09 liters in 90 ____?	10. 12,000 ____? are in 0.012 kilograms.

Estimate.

11. the length of a pencil	12. the capacity of a glass of water
13. the mass of a paper clip	14. the length of a track

Answers

Skill 1, Page 1

1. nine hundred thirty-one 2. one thousand, six hundred seventeen 3. eight thousand fifty 4. fifteen thousand, nine hundred twenty-eight 5. fifty thousand, three hundred fifty 6. one hundred twenty-five thousand, eight hundred 7. two hundred sixteen thousand, eight hundred seventy-eight 8. one million, five thousand, ninety 9. one billion, sixty-five million, nine hundred eighty-seven thousand, three hundred seven 10. 355 11. 84,000 12. 17,992 13. 212,668 14. 5,660,084 15. 71,005,000,266

Skill 2, Page 2

1. < 2. < 3. > 4. < 5. < 6. > 7. < 8. < 9. > 10. > 11. 544; 5,044; 5,404 12. 8,009; 8,096; 9,086 13. 547,335; 547,932; 548,001 14. 14,090,000; 65,526,700; 82,400,000; 104,789,124

Skill 3, Page 3

1. 711 2. 8,102 3. 26,461 4. \$108,766 5. 51,563 6. 24,015 7. \$140,392 8. 356,220 9. 1,103,111 10. 1,264 11. 16,906 12. 26,941 13. 76,072 14. 49,041 15. 1,598,600

Skill 3, Page 4

1. 730 2. 7,364 3. 24,485 4. 95,670 5. 57,816 6. 22,995 7. 72,334 8. 529,981 9. 1,561,735 10. 1,221 11. 17,483 12. 20,511 13. 70,041 14. 49,779 15. 1,755,936

Skill 4, Page 5

1. 9 2. 222 3. 6,420 4. 798 5. 4,001 6. 124 7. 2,140 8. \$5,011.00 9. 9,810,557 10. 87 11. 142 12. 8,255 13. 1,889,444 14. 399 15. 3,939 16. 2,168 17. 555 18. 2,798,001

Skill 4, Page 6

1. 498 2. 420 3. 6,112 4. 182,585 5. \$226 6. 78,797 7. 22,077 8. 5,147 9. 7,000 10. 38,508 11. 130 12. \$12,902.00 13. 127 14. 72 15. 378 16. 110 17. 145 18. 1,447

Skill 5, Page 7

1. 1,859 2. 72,185 3. 632 4. 163 5. 280,211,064 6. 81,373,864 7. 1,035 8. 1,087 9. 3,632 10. 3,778 11. 7,371,331 12. 6,254 13. 47,168 14. 87,781 15. 101,286 16. 985,613 17. 53,258,835,607 18. 122 19. 71,705 20. 147 21. \$9,853,109

Skill 5, Page 8

1. 20,560 2. 422,993 3. 7,091 4. 39,528 5. \$5,330 6. 462 7. 113 8. 8,944 9. 1,787 10. 1,580 11. 235 12. 41,977 13. 173 14. 1,910 15. 766,789

Skill 6, Page 9

1. 22,242 2. 13,734 3. 1,152 4. 66,717 5. 194,990 6. \$606.88 7. 15,603 8. 44,874 9. 7,252 10. 5,281,155 11. 4,872 12. 2,792 13. 4,820,525 14. 7,656 15. 810 16. 61,490 17. 270 18. 2,303

Skill 6, Page 10

1. \$7,938 2. 29,564 3. 6,471 4. 4,378 5. 924 6. 3,600 7. 68,607 8. 1,280,720 9. 3,703 10. 2,401 11. 3,612 12. 62,832 13. 26,622 14. 197,494 15. 86,430 16. 175 17. 42,000 18. \$252

Skill 7, Page 11

1. 50 2. 526 3. 4,609 R2 4. 7 5. 316 R20 6. 5 R4 7. 109 8. 322 R13 9. 28 R1 10. 4 11. 6,595 R4 12. 20 13. 12 14. 20 R8 15. 1,247 R3

Skill 7, Page 12

1. 1,019 R20 2. 200 3. 60 R2 4. 8 R2 5. 47 R3 6. 102 7. 44 R7 8. 14 9. 4 R8 10. 2 R24 11. 8 12. 1,578 13. 103 14. 9 R10 15. 702 R2

Skill 8, Page 13

1. 7,031 2. 59 R3 3. 191,749 4. 1,591 R3 5. 47,839,530 6. 416 R16 7. 17,651,220 8. 175,968 R7 9. 165 10. 1,872 11. 2,646

Answers

12. 257 R12 13. 23,280 14. 768 R8 15. 3,239 R9
16. 279,006 17. 8,232 18. 3,634 19. 243
20. 8,700 21. 1,188 R3

Skill 8, Page 14

1. 326 R5 2. 699,006 3. 9,576 4. 22,306 R4
5. 20,234 R16 6. 6,996 R1 7. 4,970 8. 68 R3
9. 4,383 10. 95 R27 11. 102,180 12. 1,176
13. No; she would need 45 cookies. 14. 68

Skill 9, Page 15

1. 33,818 2. 819 3. 892 4. 12,101 R5 5. 39,933
6. 13,395 7. 375 8. 765 9. 1,380 R37 10. 6,183
11. 8,041 12. 730 R63 13. 22,701 14. 4,488
15. 8,729 16. 2,045 17. 10 R17 18. 372,421
19. 1,828 R53 20. 9,327 21. 8,432

Skill 9, Page 16

1. 762 2. 1,402 3. 30 R13 4. 5,549 5. 157
6. 3,032 7. 601 8. 814 9. 136 10. 517 11. 5,103
12. 953 R29 13. 7,890 14. 906 15. 567
16. 40 R11 17. 820 18. 1,108 19. 13,986
20. 66 R6 21. 8,523

Skill 9, Page 17

1. 52,695 R8 2. 570 3. 10,572 4. 20,235 5. 936
6. 46,008 7. 65 R4 8. 65,289 9. 3,725
10. 1,679 R9 11. 959 12. 9,805 13. 6,674
14. 833 15. 71,877 16. 108,128 R2 17. 1,502
18. 1,449 R30

Skill 9, Page 18

1. 2 R13 2. 696 3. 904 4. 658 5. 786
6. 1,598 R22 7. 603 8. 18 R17 9. 179,333
10. 575 11. 109,526 R6 12. 603 13. She can buy
6 slices; No, she cannot feed all her friends.
14. 9,723 tokens 15. \$152.00 16. 30 years older

Skill 10, Page 19

1. 70 2. 6 3. 51 4. 5 5. 48 6. 5 7. 20 8. 5 9. 11
10. 98 11. 14 12. 61 13. 11 14. 65 15. 28
16. 60 17. 120 18. 2,000 19. 950 20. 5 21. 1

Skill 10, Page 20

1. 40 2. 5 3. 43 4. 14 5. 40 6. 2 7. 45 8. 7 9. 5
10. 132 11. 34 12. 46 13. 4 14. 50 15. 19
16. 48 17. 75 18. 540 19. 720 20. 1 21. 1

Skill 11, Page 21

1. 2,200 2. 12 3. 7 4. 31 5. 7,250 6. 12 7. 15
8. 225 9. 48 10. 90 11. 480 12. 160 13. 21
14. 30 15. 100 16. 20 17. 9 18. 12 19. 8 20. 50
21. 3

Skill 11, Page 22

1. 59 2. 62 3. 0 4. 57 5. 46 6. 96 7. 65,000
8. 165 9. 186 10. 96 11. 1,296 12. 1,000 13. 24
14. 98 15. 41 16. 30 17. 3 18. 77 19. 1 20. 4
21. 1

Skill 12, Page 23

1. 8: 1, 2, 4, 8; 20: 1, 2, 4, 5, 10, 20; common: 1, 2,
4 2. 15: 1, 3, 5, 15; 30: 1, 2, 3, 5, 6, 10, 15, 30;
common: 1, 3, 5, 15 3. 12: 1, 2, 3, 4, 6, 12; 18: 1, 2,
3, 6, 9, 18; common: 1, 2, 3, 6 4. 15: 1, 3, 5, 15; 25:
1, 5, 25; common: 1, 5 5. 20: 1, 2, 4, 5, 10, 20; 30:
1, 2, 3, 5, 6, 10, 15, 30; common: 1, 2, 5, 10
6. 28: 1, 2, 4, 7, 14, 28; 32: 1, 2, 4, 8, 16, 32;
common: 1, 2, 4 7. 25: 1, 5, 25; 45: 1, 3, 5, 9, 15,
45; common: 1, 5 8. 15: 1, 3, 5, 15; 45: 1, 3, 5, 9,
15, 45; common: 1, 3, 5, 15 9. 58: 1, 2, 29, 58; 87:
1, 3, 29, 87; common: 1, 29 10. 50: 1, 2, 5, 10, 25,
50; 145: 1, 5, 29, 145 common: 1, 5 11. 72: 1, 2, 3,
4, 6, 8, 9, 12, 18, 24, 36, 72; 112: 1, 2, 4, 7, 8, 14,
16, 28, 56, 112; common: 1, 2, 4, 8 12. 55: 1, 5, 11,
55; 165: 1, 3, 5, 11, 15, 33, 55, 165; common: 1, 5,
11, 55 13. 125: 1, 5, 25, 125; 175: 1, 5, 7, 25, 35,
175; common: 1, 5, 25 14. 126: 1, 2, 3, 6, 7, 9, 14,
18, 21, 42, 63, 126; 210: 1, 2, 3, 5, 6, 7, 10, 14, 15,
21, 30, 35, 42, 70, 105, 210; common: 1, 2, 3, 6, 7,
14, 21, 42 15. 215: 1, 5, 43, 215; 301: 1, 7, 43,
301; common: 1, 43

Skill 12, Page 24

1. 8: 1, 2, 4, 8; 10: 1, 2, 5, 10; 12: 1, 2, 3, 4, 6, 12;
common: 1, 2 2. 5: 1, 5; 10: 1, 2, 5, 10; 15: 1, 3, 5,
15; common: 1, 5 3. 12: 1, 2, 3, 4, 6, 12; 15: 1, 3, 5,

Answers

15; 20: 1, 2, 4, 5, 10, 20; common: 1
4. 9: 1, 3, 9;
18: 1, 2, 3, 6, 9, 18; 32: 1, 2, 4, 8, 16, 32; common:
1
5. 15: 1, 3, 5, 15; 20: 1, 2, 4, 5, 10, 20; 30: 1, 2, 3,
5, 6, 10, 15, 30; common: 1, 5
6. 12: 1, 2, 3, 4, 6,
12; 20: 1, 2, 4, 5, 10, 20; 42: 1, 2, 3, 6, 7, 14, 21, 42;
common: 1, 2
7. 7: 1, 7; 14: 1, 2, 7, 14; 21: 1, 3, 7,
21; common: 1, 7
8. 11: 1, 11; 33: 1, 3, 11, 33; 55:
1, 5, 11, 55; common: 1, 11
9. 24: 1, 2, 3, 4, 6, 8,
12, 24; 33: 1, 3, 11, 33; 42: 1, 2, 3, 6, 7, 14, 21, 42;
common: 1, 3
10. 34: 1, 2, 17, 34; 52: 1, 2, 4, 13,
26, 52; 72: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72;
common: 1, 2

Skill 13, Page 25

1. 4 2. 2 3. 5 4. 11 5. 18 6. 2 7. 44 8. 3 9. 21
10. 11 11. 17 12. 25 13. 136 14. 35 15. 100

Skill 13, Page 26

1. 5 2. 2 3. 3 4. 5 5. 17 6. 27 7. 15 8. 7 9. 25
10. 20

Skill 14, Page 27

1. 2, 4 2. 2, 3, 4, 6 3. 3 4. 2, 4, 5, 10 5. 2, 3, 6, 9
6. 3, 5 7. 2, 4 8. 5 9. 2, 3, 4, 6 10. 2, 4 11. 2, 4
12. 2, 3, 4, 5, 6, 10 13. 2 14. 2, 3, 6 15. 3, 5
16. 2, 3, 4, 6 17. 2, 3, 4, 6 18. 2 19. 5 20. 3
21. 2, 3, 4, 5, 6, 9, 10

Skill 14, Page 28

1. 5 2. 5 3. 5 4. 3 5. 2 6. 2 7. 2, 3, 6, 9 8. 2, 3, 6
9. 2, 3, 4, 5, 6, 10 10. 3 11. 5 12. 2, 5, 10 13. 2, 3, 4, 6
14. 2, 5, 10 15. 3, 9 16. 2, 3, 4, 6, 9 17. 2, 4 18. 2

Skill 15, Page 29

1. 0.0003 2. 0.00 3. 0.3 4. 0.002 5. 0.0003
6. 0.9 7. 0.03 8. 0.003 9. 0.0002 10. 0.007
11. 0.0003 12. 0.0 13. 0.0001 14. 0.09 15. 0.8
16. 0.001 17. 0.9 18. 0.09 19. 0.1 20. 0.003
21. 0.0002

Skill 15, Page 30

1. ninety-seven thousandths 2. fifty-six and
ninety-three thousandths 3. nine and one

hundredth 4. one and four hundred thirty-two
thousandths 5. four and five hundred sixty-two
thousandths 6. two and two hundred twenty two
thousandths 7. four and four hundred thirty
three thousandths 8. seven and nine hundred
thirty-two thousandths 9. two and one thousand
eight hundred forty-one ten-thousandths
10. thirty-two and three tenths 11. eighty-four
and thirty-nine hundredths 12. two hundred
ninety-two and thirty-nine hundredths
13. two and two tenths 14. ninety-eight
thousandths 15. two and three hundred
forty-two thousandths 16. four thousand four
hundred forty-three ten-thousandths
17. three and four hundred thirty-two
thousandths 18. two tenths 19. six hundred
twenty three and seventy four hundredths
20. nine and five hundred twenty-six ten-
thousandths 21. nine and three thousand three
hundred twenty-three ten-thousandths

Skill 15, Page 31

1. 0.12 2. 5.8 3. 8.06 4. 20.0445 5. 0.8 6. 0.16
7. 0.0051 8. 145.007 9. 50.2 10. 8.243

Skill 16, Page 32

1. > 2. < 3. < 4. > 5. < 6. = 7. > 8. > 9. >
10. 0.7654, 0.1, 0.09, 0.008 11. 89.09, 3.88, 1.786,
0.875, 0.342 12. 0.7, 0.07, 0.0071, 0.007,
0.000007 13. 0.965, 0.873, 0.321, 0.0009876

Skill 16, Page 33

1. 0.6, 0.67, 0.678, 0.9 2. 0.00087, 0.000875,
0.087, 0.8, 0.87 3. 0.875, 0.978, 0.987, 0.9998
4. 0.0001, 0.00012, 0.01, 0.0222 5. = 6. > 7. <
8. > 9. > 10. > 11. = 12. < 13. =

Skill 17, Page 34

1. 17.6 2. 12.12 3. 10.21 4. 1.82 5. 19.64 6. 6
7. 8 8. 7.6 9. 13.803 10. 10.1 11. 13.871
12. 1.1 13. 15.82 minutes 14. 359.57 miles

Answers

Skill 17, Page 35

1. 134.15 2. 24.05 3. 8.888 4. 1.58 5. \$477.55
6. 84.74 7. 166.88 8. 7.87 9. 2.103 10. 5.417
11. 10.472 12. 79.97 13. 38.597 14. 15.7
15. 122.8 16. 27.838 17. \$13.32 18. 86.59

Skill 18, Page 36

1. 2.12 2. 4.07 3. 4.06 4. 156.57 5. 0.1
6. 4.3328 7. 474.4 8. \$21.52 9. 2.88 10. 133.34
11. 222.1 12. 200.19 13. 38.93 14. 2.12
15. 13,235.04 16. 41.78 17. 151.81 18. 50.66

Skill 18, Page 37

1. 2.29 2. 71.18 3. 185.91 4. 3.35 5. \$27.50
6. 5.54 7. 737.02 8. 12.053 9. \$31.33 10. 0.152
11. 5.8025 12. 44.786 13. 0.44 14. 8.937
15. 24.82 16. \$63.21 17. 3.25 18. \$6.56

Skill 19, Page 38

1. 1.313 2. 7,483.79 3. 74.28 4. 9,319.342
5. 405.15 6. 7.8013 7. 0.075 8. 19.96 9. 341.20
10. 97.808 11. 900.32 12. 9,876.574
13. 255.5781 14. 0.014 15. 3.937

Skill 19, Page 39

1. 1.59 2. 1,320.44 3. 389.83 4. 1,555.609
5. 18.81 6. 669.37 7. 10,114.456 8. 14.47
9. 1,703.46 10. 168.64 11. 162.65 12. 1,068.804
13. \$11.17 14. \$1.25

Skill 19, Page 40

1. 643.18 2. 19.4 3. 223.3 4. 78.11 5. 1,614.76
6. 205.65 7. 11,121.571 8. 12.91 9. 19.98
10. 129.90 11. 44.61 12. 172.99 13. 107.45 s
14. 1.66 min 15. \$379.17 16. \$994.04

Skill 20, Page 41

1. 965.9 2. 163.8 3. 549.6 4. 173,444.6 5. 115.6
6. 1,796.1 7. 1,060.2 8. 4,343.8 9. 21,892.4
10. 344,629.6 11. 311.5 12. 19,801.6 13. 8,818.8
14. 2,245.8 15. 2,160.3 16. 3,036.8 17. 5,625.2
18. \$86.40 19. 23,637.6 20. 2,195.4 21. 7,015.8

Skill 20, Page 42

1. 2,642.25 2. \$1,784.50 3. 52,847.96
4. 1,197.38 5. \$74,129.92 6. 33.75 7. 31,819.62
8. 22785.75 9. 48,647.76 10. 19,916.31
11. \$2,399.46 12. 39,821.52 13. 233,326.17
14. 10,042.41 15. 28,985.85 16. \$6.75 17. No,
because 12 action figures would cost \$31.80.

Skill 21, Page 43

1. 9.65 2. 4.21 3. 12.07 4. 0.42 5. 14.85
6. 0.31 7. 1.21 8. 12.62 9. 104.20 10. 15.70
11. 602.34 12. 526.60 13. 8.62 14. 19.38
15. 9,473.74

Skill 21, Page 44

1. 42.91 2. 14.68 3. 3.78 4. 2.15 5. 7.02 6. 8.78
7. 97.77 8. 16.66 9. 197.11 10. \$6.92
11. 5.86 min. 12. \$7.25 13. \$15.04 per room

Skill 22, Page 45

1. 1.77 2. 256.9 3. 9.34 4. \$3.06 5. 2.11
6. 227.79 7. 2,555.1 8. 2.32 9. 211,405.25
10. 1.82 11. 12.16 12. 218.4 13. 1,130.04
14. 2.72 15. 0.31

Skill 22, Page 46

1. 11,558.82 2. 16.56 3. 0.12 4. 211.31 5. 1.95
6. 1,444.08 7. 163.28 8. 13.16 9. 186.18
10. 0.09 11. 2,664.48 12. 91.21 13. \$0.10 per
ounce 14. \$7.82 a piece

Skill 22, Page 47

1. 22,597.08 2. 20.36 3. 0.05 4. 3,534.72
5. 5.82 6. 14.38 7. 130.94 8. 30.35 9. 380.64
10. 0.86 acres 11. 6.18 min/mi 12. 153.16
13. 0.50 pounds of sugar per serving

Skill 23, Page 48

1. 338.18 2. 5.85 3. 894.52 4. 12,081.02
5. 39,953.01 6. 13.35 7. 374.78 8. 7,168.28
9. 1.38 10. 6.18 11. 649.05 12. 7.23 13. 227.01
14. 4,449.88 15. 742.1 16. 7.045 17. 2.46
18. 780.78 19. 1.83 20. 440.22 21. 485.954

Answers

Skill 23, Page 49

1. 8.52 2. 67.02 3. 30.45 4. 53.7 5. 15.72
6. 30.32 7. 600.88 8. 873.7 9. 128.56
10. 2,120.64 11. 5.10 12. 1.46 13. 54.915
14. 846.20 15. 89.67 16. 4.13 17. 0.10 18. 87.78
19. 13.99 20. 6.68 21. 107.52

Skill 23, Page 50

1. 4.01 2. 616.76 3. 105.72 4. 195.36 5. 14.09
6. 42.25 7. 6.54 8. 669.48 9. 6.15 10. 1.86
11. 90.90 12. 77.58 13. 24.43 14. 832.69
15. 75.66

Skill 23, Page 51

1. 2.55 2. 696.42 3. 30.31 4. 659.61 5. 37.96
6. 15.98 7. 604.53 8. 18.44 9. 278.46 10. 599.15
11. 10.89 12. 6.03 13. \$4,996.09 per person
14. \$103.92 15. \$2.80; \$2.20 16. 50 seconds
faster

Skill 24, Page 52

1. 56.3 2. 9.3 3. 18,973.4 4. 4,978.7 5. 7,893.2
6. 5.3 7. 578.36 8. 789,125.70 9. 97.95
10. 789.18 11. 12.48 12. 1.45 13. 7.388
14. 2.880 15. 179.548 16. 5.147 17. 7.898
18. 7.214

Skill 24, Page 53

1. 1.9, 1.88, 1.880 2. 478.2, 478.21, 478.215
3. 793.1, 793.15, 793.149 4. 0.2, 0.16, 0.159
5. 831.1, 831.15, 831.149 6. 5,687.1, 5,687.15,
5,687.149 7. 7.2, 7.21, 7.215 8. 9.3, 9.31, 9.315
9. 14,757.3, 14,757.31, 14,757.315
10. 6.2, 6.21, 6.215

Skill 25, Page 54

Sample answers given.

1. $26 + 14 = 40$ 2. $6 \times 8 = 48$ 3. $64 \div 8 = 8$
4. $370 - 80 = 290$ 5. $90 - 50 = 40$ 6. $90 \times 4 =$
 360 7. $50 + 10 = 60$ 8. $12 \div 3 = 4$ 9. $124 \div$
 $4 = 31$ 10. $70 - 20 = 50$ 11. $4 + 4 + 7 = 15$
12. $9 \times 7 = 63$ 13. $9 \div 3 = 3$ 14. $\$900 +$
 $\$400 = \$1,300$ 15. $50 \div 25 = 2$ 16. $120 \div$
 $20 = 6$ 17. $80 - 20 = 60$ 18. $7 + 2 + 2 = 11$

Skill 25, Page 55

Sample answers given.

1. $50 \times 4 = 200$ 2. $11 \times 5 = 55$ 3. $8 \times 5 = 40$
4. $100 \times 4 = 400$ 5. $55 \times 7 = 385$ 6. $35 \div 7 = 5$
7. $25 - 20 = 5$ 8. $117 \times 1 = 117$ 9. $85 - 20 =$
 65 10. $60 \div 20 = 3$ 11. $36 + 3 = 39$ 12. $48 \div$
 $6 = 8$ 13. $5 \times 4 = 20$

Skill 25, Page 56

Sample answers given.

1. $16 + 80 = 96$ 2. $5 \times 8 = 40$ 3. $8 \times 4 = 32$
4. $50 \div 5 = 10$ 5. $90 - 15 = 75$ 6. $64 \div 4 = 16$
7. $2 \times 4 = 8$ 8. $13 \times 4 = 52$ 9. $75 - 5 = 70$
10. $3 \times \$4 = \12 11. $12 \div 3 = 4$ times bigger
12. $8 - 5 = 3$ more ounces 13. $63 \div 9 = 7$
glasses

Skill 26, Page 57

1. 0.6 2. 7,890 3. 48,470 4. 147 5. 14,736
6. 27.8 7. 894 8. 7,410 9. 2,547,350
10. 4,320 11. 125,487,000 12. 6,314
13. 1,531,400 14. 414,780 15. 912.4
16. 147.8 17. 123,789 18. 943.1 19. 67,460
20. 2,051,900 21. 42.5

Skill 26, Page 58

1. 789 2. 4,632,140 3. 79,148 4. 0.1521 5. 2,135
6. 6.178 7. 11,547 8. 4,787,320 9. 0.310014
10. 2,014 11. 89.45 12. 5,546,500 13. 1,234
14. 0.12714 15. 1,231.4 16. 99,214 17. 13,470
18. 0.16 19. 94,640 20. 4.315 21. 0.00064

Skill 27, Page 59

1. 9 2. 16 3. 8 4. 36 5. 8 6. 12 7. 52 8. 6
9. 40 10. 24 11. 6 12. 18 13. 20 14. 32 15. 12
16. 75 17. 2 18. 1

Skill 27, Page 60

Sample answers given.

1. $\frac{8}{10}$ 2. $\frac{34}{70}$ 3. $\frac{1}{2}$ 4. $\frac{6}{20}$ 5. $\frac{9}{23}$ 6. $\frac{1}{4}$ 7. $\frac{3}{4}$
8. $\frac{4}{7}$ 9. $\frac{1}{4}$ 10. $\frac{10}{12}, \frac{15}{18}, \frac{20}{24}$ 11. $\frac{14}{16}, \frac{21}{24}, \frac{28}{32}$
12. $\frac{3}{18}, \frac{5}{30}, \frac{1}{6}$ 13. $\frac{9}{23}, \frac{36}{92}, \frac{54}{138}$

Answers

Skill 28, Page 61

1. 3 2. simplified 3. $\frac{2}{3}$ 4. $\frac{8}{5}$ 5. simplified
6. $\frac{3}{4}$ 7. $\frac{1}{3}$ 8. $\frac{17}{19}$ 9. $\frac{1}{7}$ 10. $\frac{1}{6}$ 11. $\frac{8}{29}$ 12. $\frac{9}{20}$
13. simplified 14. $\frac{8}{17}$ 15. $\frac{1}{3}$ 16. $\frac{24}{49}$ 17. $\frac{1}{4}$
18. $\frac{18}{43}$

Skill 28, Page 62

1. $\frac{1}{5}$ 2. 5 3. $\frac{8}{29}$ 4. $\frac{9}{140}$ 5. $\frac{1}{3}$ 6. $\frac{1}{12}$ 7. $\frac{1}{7}$
8. simplified 9. $\frac{3}{4}$ 10. $\frac{1}{6}$ 11. $\frac{11}{15}$ 12. $\frac{3}{5}$
13. $\frac{11}{36}$

Skill 29, Page 63

1. $3\frac{3}{13}$ 2. $1\frac{17}{47}$ 3. $5\frac{3}{4}$ 4. $5\frac{1}{2}$ 5. $2\frac{4}{7}$ 6. $4\frac{2}{3}$
7. $1\frac{2}{11}$ 8. $4\frac{1}{2}$ 9. $7\frac{1}{4}$ 10. $1\frac{2}{3}$ 11. $5\frac{2}{5}$
12. $2\frac{4}{15}$ 13. $2\frac{4}{7}$ 14. $1\frac{4}{9}$ 15. $1\frac{1}{6}$

Skill 29, Page 64

1. $\frac{44}{5}$ 2. $\frac{27}{4}$ 3. $\frac{7}{2}$ 4. $\frac{23}{12}$ 5. $\frac{93}{19}$ 6. $\frac{93}{16}$ 7. $\frac{50}{7}$
8. $\frac{23}{6}$ 9. $\frac{59}{10}$ 10. $\frac{11}{4}$ 11. $\frac{57}{8}$ 12. $\frac{215}{19}$ 13. $\frac{15}{7}$
14. $\frac{79}{9}$ 15. $\frac{17}{3}$

Skill 29, Page 65

1. $1\frac{4}{5}$ 2. $\frac{43}{8}$ 3. $\frac{58}{19}$ 4. $3\frac{2}{5}$ 5. $1\frac{14}{15}$ 6. $\frac{105}{11}$
7. $\frac{44}{3}$ 8. $1\frac{1}{31}$ 9. $\frac{91}{12}$ 10. $\frac{11}{4}$ 11. $\frac{57}{8}$ 12. $\frac{215}{19}$
13. $4\frac{2}{3}$ 14. $\frac{157}{13}$ 15. $1\frac{22}{23}$

Skill 30, Page 66

1. $\frac{3}{4}$ 2. $1\frac{4}{11}$ 3. $\frac{7}{9}$ 4. 1 5. $\frac{13}{15}$ 6. $\frac{2}{3}$ 7. $\frac{2}{3}$
8. $1\frac{1}{12}$ 9. $1\frac{1}{8}$ 10. $1\frac{1}{10}$ 11. $\frac{22}{25}$ 12. $12\frac{9}{11}$
13. $\frac{12}{19}$ 14. $15\frac{5}{9}$ 15. $\frac{5}{8}$

Skill 30, Page 67

1. $1\frac{5}{12}$ 2. $\frac{9}{10}$ 3. 14 4. $\frac{16}{17}$ 5. $20\frac{7}{8}$ 6. $21\frac{3}{4}$
7. $\frac{7}{10}$ 8. $\frac{11}{12}$ 9. 1 10. 1 11. 1 12. $11\frac{5}{9}$
13. 4 feet 14. $\frac{6}{11}$

Skill 31, Page 68

1. $\frac{1}{6}$ 2. $\frac{1}{4}$ 3. $\frac{2}{13}$ 4. $\frac{6}{23}$ 5. $\frac{1}{18}$ 6. $\frac{4}{19}$ 7. $\frac{2}{21}$
8. $3\frac{1}{2}$ 9. $2\frac{2}{3}$ 10. $\frac{1}{8}$ 11. $\frac{2}{25}$ 12. $11\frac{2}{9}$ 13. $\frac{9}{26}$
14. $3\frac{1}{3}$ 15. $\frac{7}{15}$

Skill 31, Page 69

1. $\frac{1}{4}$ 2. $\frac{3}{7}$ 3. $3\frac{3}{17}$ 4. $\frac{3}{7}$ 5. $\frac{5}{24}$ 6. $\frac{2}{3}$ 7. $\frac{2}{27}$
8. $1\frac{1}{5}$ 9. $2\frac{1}{3}$ 10. $\frac{5}{7}$ 11. $\frac{7}{27}$ 12. $2\frac{1}{16}$ 13. 1 ft
 $\frac{1}{2}$ in. 14. $92\frac{3}{8}$ liters

Skill 32, Page 70

1. $\frac{15}{17}$ 2. $\frac{27}{34}$ 3. $\frac{1}{6}$ 4. $30\frac{1}{6}$ 5. $\frac{7}{15}$ 6. $\frac{7}{13}$
7. $\frac{13}{21}$ 8. $13\frac{2}{3}$ 9. $11\frac{2}{5}$ 10. $8\frac{1}{3}$ 11. $\frac{3}{5}$ 12. $30\frac{2}{3}$
13. $\frac{1}{3}$ 14. $\frac{11}{15}$ 15. $\frac{3}{8}$

Answers

Skill 32, Page 71

1. $\frac{3}{23}$ 2. $2\frac{4}{9}$ 3. $\frac{1}{12}$ 4. $12\frac{3}{5}$ 5. $22\frac{46}{49}$ 6. $\frac{2}{45}$
7. $3\frac{3}{5}$ 8. 1 9. $1\frac{1}{6}$ 10. $1\frac{1}{15}$ 11. $\frac{1}{2}$ 12. 24
13. $\frac{23}{25}$ 14. $\frac{57}{245}$ 15. $31\frac{2}{5}$

Skill 33, Page 72

1. Associative Property (+) 2. Commutative Property (×) 3. Identity (×) 4. Distributive Property 5. Associative Property (×) 6. Identity (+) 7. Distributive Property 8. Identity (+) 9. Commutative Property (×) 10. Commutative Property (×) 11. Distributive Property 12. Identity (×) 13. Commutative Property (+) 14. Identity (+)

Skill 33, Page 73

1. Identity (×) 2. Associative Property (×) 3. Associative Property (+) 4. Distributive Property 5. Identity (+) 6. Commutative Property (×) 7. Commutative Property (×) 8. Distributive Property 9. Commutative Property (+) 10. Commutative Property (+) 11. Identity (×) 12. Identity (+) 13. Identity (+) 14. Distributive Property

Skill 34, Page 74

1. 256; Distributive Property 2. 97; Associative Property (+) 3. 165; Distributive Property 4. 10; Identity (×) 5. 250; Associative Property (+)

6. 552; Distributive Property 7. 163; Associative Property (+) 8. 145; Associative Property (+) 9. 99; Commutative Property (+) 10. 1,785; Distributive Property 11. 990; Associative Property (×) 12. 72; Identity (+) 13. 8,400; Commutative Property (×) 14. 2,400; Commutative Property (×)

Skill 34, Page 75

1. 130; Associative Property (+) 2. 340; Commutative Property (+) 3. 902; Distributive Property 4. 2,350; Associative Property (×) 5. 540; Distributive Property 6. 6,400; Commutative Property (×) 7. 294; Commutative Property (+) 8. 60; Identity (×) 9. 215; Associative Property (+) 10. 2,730; Commutative Property (×), Distributive Property 11. 467; Associative Property (+) 12. 45; Identity (+) 13. 1,485; Distributive Property 14. 59,000; Commutative Property (×)

Skill 35, Page 76

Exercises 10-13, sample answers given.

1. oz 2. lbs 3. T 4. in. 5. qt 6. pt 7. lbs 8. lbs
9. oz 10. lbs 11. 2,500 gal 12. 2 oz 13. 2 T
14. 8 lbs

Skill 36, Page 77

Exercises 10-13, sample answers given.

1. cm 2. mL 3. g 4. kg 5. m 6. cm 7. m
8. kg 9. mL 10. mg 11. about 15 cm
12. about 400 mL 13. about 1 g 14. about 400 m

