INDIANA
EDITION

Teacher Edition

Math Skills Maintenance Workbook

Grade 7

Mc Graw Hill Glencoe

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

Teacher's Guide to Using the Indiana 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 *Indiana 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. A correlation showing when practice with each skill may be helpful for studying each standard in the Grade Seven Indiana Academic Standards is provided on page iv. Correlations to lessons in *Mathematics: Applications and Concepts,* Course 2, *Impact Mathematics*, Course 2, and *MathScape,* Grade 7 are provided on pages v, vi, and vii, respectively.

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

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Indiana Math Skills Maintenance
Teacher Edition, Grade 7

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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	**-**
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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**
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GIS-11	**17, 20**
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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

NAME _____ DATE _____ PERIOD _____

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

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NAME _____ DATE _____ PERIOD _____

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

NAME _____ DATE _____ PERIOD _____

3 Math Skills Maintenance

Adding Whole Numbers

Find each sum.

1. 246 + 465	**2.** 4,542 + 3,560	**3.** 18,602 + 7,859
4. $28,725 + 80,041	**5.** 32,287 + 19,276	**6.** 18,692 + 5,323
7. $62,033 + 78,359	**8.** 276,485 + 79,735	**9.** 1,081,580 + 21,531
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 =

Skill 3

NAME _____ DATE _____ PERIOD _____

3 Math Skills Maintenance

Adding Whole Numbers

Find each sum.

1. 359 + 371	**2.** 2,744 + 4,620	**3.** 15,801 + 8,684
4. 34,637 + 61,033	**5.** $41,245 + 16,571	**6.** 13,618 + 9,377
7. 44,505 + 27,829	**8.** 474,180 + 55,801	**9.** $1,511,650 + 50,085
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 =

NAME _____ DATE _____ PERIOD _____

4 Math Skills Maintenance

Subtracting Whole Numbers

Find each difference.

1. 123 − 114	**2.** 567 − 345	**3.** 8,765 − 2,345
4. 987 − 189	**5.** 9,000 − 4,999	**6.** 222 − 98
7. 4,905 − 2,765	**8.** \$8,908.00 − \$3,897.00	**9.** 9,876,543 − 65,986
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 =

Skill 4

NAME _____ DATE _____ PERIOD _____

4 Math Skills Maintenance

Subtracting Whole Numbers

Find each difference.

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

NAME _____ DATE _____ PERIOD _____

5 Math Skills Maintenance

Adding and Subtracting Whole Numbers

Find each sum or difference.

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

Skill 5

NAME _____ DATE _____ PERIOD _____

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.** 7,483 − 392
4. 42,819 − 3,291 =	**5.** $5,098 + $232 =	**6.** 675 − 213 =
7. 745 − 632	**8.** 9,456 − 512	**9.** 912 + 875 =
10. 874 + 652 + 54 =	**11.** 956 − 721	**12.** 419 312 + 41,246
13. 418 − 312 + 67 =	**14.** 8,123 − 6,213 =	**15.** 112,468 + 654,321

NAME _____ DATE _____ PERIOD _____

6 Math Skills Maintenance

Multiplying Whole Numbers

Find each product.

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

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6 Math Skills Maintenance

Multiplying Whole Numbers

Find each product.

1. $189 × 42	**2.** 389 × 76 =	**3.** 719 × 9
4. 199 × 22	**5.** 77 × 12	**6.** 240 × 15
7. 9,801 × 7 =	**8.** 16,009 × 80	**9.** 529 × 7
10. 49 × 49	**11.** 602 × 6 =	**12.** 1,122 × 56
13. 783 × 34 =	**14.** 2,101 × 94	**15.** 1,290 × 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?

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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.** $7\overline{)8{,}732}$

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7 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.** $12\overline{)8{,}426}$

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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.** $13\overline{)15{,}447}$

Skill 8

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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?

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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.** $\begin{array}{r} 7{,}954 \\ +\ 478 \\ \hline \end{array}$

Skill 9

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9 Math Skills Maintenance

Operations with Whole Numbers

Find each sum, difference, product, or quotient.

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

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9 Math Skills Maintenance

Operations with Whole Numbers

Find each sum, difference, product, or quotient.

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

Skill 9

NAME _____ DATE _____ PERIOD _____

9 Math Skills Maintenance

Operations with Whole Numbers

Find each sum, difference, product, or quotient.

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

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?

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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.** $(250 \div 5) \div 5 \div 10$

Skill 10

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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.** $(225 \div 5) \div 5 \div 9$

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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.** $5(12.5 + 2.5) \div 5^2$

Skill 11

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11 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.** $3(10.2 + 1.8) \div 6^2$

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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

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12 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

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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

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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

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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

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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

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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. 0.43<u>2</u>	**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.** 9.383<u>2</u>
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.<u>9</u>999	**15.** 0.<u>8</u>65
16. 7.42<u>1</u>	**17.** 41.<u>9</u>05	**18.** 73.0<u>9</u>12
19. 7,490.<u>1</u>	**20.** 5.55<u>3</u>	**21.** 0.000<u>2</u>3

Skill 15

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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

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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

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16 Math Skills Maintenance

Comparing and Ordering Decimals

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

1. 0.09 ● 0.009	**2.** 0.143 ● 1.43	**3.** 0.563 ● 9
4. 0.00002 ● 0.0000001	**5.** 0.956 ● 0.957	**6.** three tenths ● 0.3
7. forty-five hundredths ● 0.2	**8.** 0.8 ● eight ten-thousandths	**9.** 0.78 ● 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

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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

Skill 16

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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.** Spoonville is 192.23 miles from Glennville along Route 62. It is 167.34 miles from Glennville to Franklintown along Route 62. If Mr. Cuevas drives from Spoonville to Franklintown along Route 62, how many miles will he drive?

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17 Math Skills Maintenance

Adding Decimals

Find each sum.

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

Skill 17

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18 Math Skills Maintenance

Subtracting Decimals

Find each difference.

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

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18 Math Skills Maintenance

Subtracting Decimals

Find each difference.

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

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?

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19 Math Skills Maintenance

Adding and Subtracting Decimals

Find each sum or difference.

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

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19 Math Skills Maintenance

Adding and Subtracting Decimals

Find each sum or difference.

1. 8.93 − 7.34	**2.** 896.65 + 423.79	**3.** 731.97 − 342.14 =
4. 3,014.365 − 1,458.756	**5.** 3.89 + 9.14 + 5.78 =	**6.** 3,147.78 − 2,478.41
7. 5,324.978 + 4,789.478	**8.** 32.45 − 17.98 =	**9.** 731.47 + 971.99 =
10. 648.63 − 479.99	**11.** 976.64 − 813.99 =	**12.** 931.257 + 137.547

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?

Skill 19

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19 Math Skills Maintenance

Adding and Subtracting Decimals

Find each sum or difference.

1. 796.32 − 153.14	**2.** 3.1 + 8.9 + 7.4 =	**3.** 368.94 − 145.64 =
4. 32.14 + 45.97	**5.** 6,378.24 − 4,763.48	**6.** 737.64 − 531.99 =
7. 3,489.247 + 7,632.324	**8.** 45.36 − 32.45	**9.** 7.89 8.97 + 3.12
10. 364.89 − 234.99 =	**11.** 763.47 − 718.86	**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 cloths 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?

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20 Math Skills Maintenance

Multiplying Decimals by Whole Numbers

Find each product.

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

Skill 20

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20 Math Skills Maintenance

Multiplying Decimals by Whole Numbers

Find each product.

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

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?

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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.** $23\overline{)217{,}896}$

Skill 21

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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?

NAME _____ DATE _____ PERIOD _____

22 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.** 18.35×14	**3.** $130.8 \div 14 =$
4. $\$15.31 \div 5 =$	**5.** $26\overline{)54.9}$	**6.** $25.31 \times 9 =$
7. 56.78×45	**8.** 0.2894×8	**9.** $8{,}456.21 \times 25 =$
10. $34.66 \div 19 =$	**11.** $8\overline{)97.24}$	**12.** $5.6 \times 39 =$
13. 15.48×73	**14.** $33\overline{)89.62}$	**15.** $15.5 \div 50 =$

Skill 22

NAME _____ DATE _____ PERIOD _____

22 Math Skills Maintenance

Multiplying and Dividing Decimals by Whole Numbers

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

1. $\begin{array}{r} 158.34 \\ \times \quad 73 \\ \hline \end{array}$	**2.** $\begin{array}{r} 0.2548 \\ \times \quad 65 \\ \hline \end{array}$	**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.** $\begin{array}{r} 3.21 \\ \times \quad 58 \\ \hline \end{array}$
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?

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22 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?

Skill 22

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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.** $\begin{array}{r} 478 \\ +\ 7.954 \\ \hline \end{array}$

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23 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.** $45.15 + 21.87$	**3.** $31\overline{)943.89}$
4. $1.79 \times 30 =$	**5.** $94.32 \div 6 =$	**6.** 3.79×8
7. $648.87 - 47.99$	**8.** $897.1 - 23.4$	**9.** $32.14 \times 4 =$
10. 45.12×47	**11.** $15\overline{)76.545}$	**12.** $33\overline{)48.12}$
13. $7.415 + 47.5 =$	**14.** $845.59 + 0.61$	**15.** 12.81×7
16. $74.31 \div 18 =$	**17.** $9.17 - 9.07$	**18.** $13.67 + 74.11$
19. $0.999 \times 14 =$	**20.** $53.4 \div 8 =$	**21.** 11.947×9

Skill 23

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

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23 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.** $647.27 + 49.15$	**3.** $97.31 - 67 =$
4. 94.23×7	**5.** $45.53 - 7.57$	**6.** $54\overline{)863.14}$
7. $9 \times 67.17 =$	**8.** $719.31 \div 39 =$	**9.** $179.23 + 99.23$
10. $115 \times 5.21 =$	**11.** $8\overline{)87.14}$	**12.** 0.67×9

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?

Skill 23

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24 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

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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

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25 Math Skills Maintenance

Estimating with Decimals

Estimate by rounding.

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

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25 Math Skills Maintenance

Estimating with Decimals

Estimate by clustering.

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

Estimate by rounding.

5. 54.5 × 6.9 =	**6.** $7.8\overline{)33.5}$	**7.** 23.87 − 17.81
8. 116.89 × 0.99	**9.** 84.25 − 21.36 =	**10.** $14.7\overline{)54.3}$
11. 36.48 + 3.1 =	**12.** 48.2 ÷ 5.9 =	**13.** 4.8 × 3.9

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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?

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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.** $0.425 \times 10^2 =$

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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.** $0.001 \times 0.64 =$

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27 Math Skills Maintenance

Equivalent Fractions

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

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

Skill 27

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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.** $\frac{18}{46}$

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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.** $\frac{36}{86}$

Skill 28

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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?

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29 Math Skills Maintenance

Mixed Numbers and Improper Fractions

Write each improper fraction as a mixed number.

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.** $\frac{21}{18}$

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29 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.** $5\frac{2}{3}$

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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.** $\frac{45}{23}$

Skill 29

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30 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.** $\frac{2}{8} + \frac{3}{8} =$

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

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?

NAME _____ DATE _____ PERIOD _____

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.** $5\frac{9}{14} - 2\frac{2}{14}$	**9.** $6\frac{5}{6} - 4\frac{1}{6}$
10. $\frac{7}{16} - \frac{5}{16} =$	**11.** $\frac{16}{25} - \frac{14}{25} =$	**12.** $25\frac{7}{9} - 14\frac{5}{9}$
13. $\frac{43}{52} - \frac{25}{52} =$	**14.** $15\frac{2}{3} - 12\frac{1}{3}$	**15.** $\frac{8}{15} - \frac{1}{15} =$

NAME _____ DATE _____ PERIOD _____

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.** $8\frac{8}{17} - 5\frac{5}{17}$
4. $\frac{6}{7} - \frac{3}{7} =$	**5.** $3\frac{17}{24} - 3\frac{12}{24}$	**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. $7\frac{6}{7} - 7\frac{1}{7}$	**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?

Skill 31

NAME _____ DATE _____ PERIOD _____

32 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. $17\frac{5}{6} + 12\frac{2}{6}$	**5.** $\frac{4}{15} + \frac{1}{15} + \frac{2}{15}$	**6.** $\frac{8}{13} - \frac{1}{13} =$
7. $\frac{15}{84} + \frac{37}{84} =$	**8.** $5\frac{7}{9} + 7\frac{8}{9} =$	**9.** $14\frac{3}{5} - 3\frac{1}{5}$
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. $45\frac{8}{9} - 45\frac{5}{9}$	**14.** $\frac{7}{15} + \frac{4}{15}$	**15.** $\frac{11}{16} - \frac{5}{16} =$

NAME _____ DATE _____ PERIOD _____

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.** $8\frac{7}{9} - 6\frac{3}{9}$	**3.** $\frac{8}{12} - \frac{7}{12} =$
4. $5\frac{1}{5} + 7\frac{2}{5} =$	**5.** $7\frac{82}{98} + 15\frac{10}{98}$	**6.** $\frac{12}{45} - \frac{10}{45} =$
7. $5\frac{4}{5} - 2\frac{1}{5}$	**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.** $76\frac{6}{10} - 45\frac{2}{10} =$

Skill 32

NAME _____ DATE _____ PERIOD _____

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.** $0 + (9 \times 8) = (9 \times 8)$

NAME _____ DATE _____ PERIOD _____

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.** $63 \times 75 + 63 \times 25 = 63(75 + 25)$

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34 Math Skills Maintenance

Using Properties

Simplify each expression. Tell which property you used.

1. 8×32	**2.** $52 + (8 + 32)$
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.** $(4 \times 120) \times 5$

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NAME _____ DATE _____ PERIOD _____

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.** $250 \times 59 \times 4$

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NAME _____ DATE _____ PERIOD _____

35 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

NAME _____ DATE _____ PERIOD _____

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

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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

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 **18.** 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 **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,

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, 0.08, 0.087, 0.8 **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.** 0.1 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.** 5.103 **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.** 1,234.4 **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.** 92; 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.** 4 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 6 in. **12.** about 400 mL **13.** about 1 g **14.** about 400 m