Grade 5 Curriculum Overview

Operations and Algebraic Thinking

- Evaluate expressions using parentheses and brackets.
- Analyze and extend a number pattern and state the rule.
- Use the distributive property to solve an equation.
- Solve an equation that uses a letter to represent an unknown variable (e.g., 2 + n = 5).

Number and Operations in Base Ten

- Compare place value in multi-digit numbers.
- Write decimals in expanded form (e.g. 42.15 = 40 + 2 + 0.1 + 0.05).
- Multiply and divide by powers of 10.
- Round whole numbers and decimals.
- Compare whole numbers and decimals using symbols for greater than, less than or equal to.
- Divide by up to a four-digit number by a two-digit number.
- Multiply by up to a three-digit number by a three-digit number.
- Apply all four functions to decimals to the hundredths place.
- Know and use order of operations.
- Determine the place value of numbers up to 1 million.
- Order positive and negative numbers on a number line.
- Add with negative numbers.
- Subtract positive numbers from negative numbers.
- Identify prime, even and odd numbers.
- Determine if an estimate is reasonable.
- Translate number words to numerals and numerals to words.
- Define numbers in terms of tens and hundreds.
- Find 100 and 1000 more or less than a given number.
- Determine multiples of a given number.
- Translate a decimal written in words to a numeral.
- Find .1 and .01 more than a given number.

Number and Operations – Fractions

- Add and subtract fractions with unlike denominators.
- Find fraction equivalents.
- Solve word problems with addition and subtraction of fractions using estimation.
- Multiply a fraction or whole number by a fraction.
- Determine the area of a rectangle with a fractional side.
- Compare a number multiplied by a fraction less than, equal to, or more than 1.
- Divide fractions by whole numbers; divide whole numbers by fractions.
- Rename fractions.
- Order fractions and mixed numbers on a number line.
- Order fractions, decimals and percentages from least to greatest.
- Compare fractions by using symbols for greater than, less than or equal to.
- Use a hundred block to determine fractions and percentages.
- Find the percentages and decimal equivalents of common fractions: 1/2, 1/4, 1/5, 1/8, 1/10.
- Find the least and greatest common factor.

Measurement and Data

- Convert within a given system of measurement (e.g. 1 liter = 1000 milliliters).
- Determine volume with a given set of measurements.
- Determine the appropriate unit of measure both customary and metric (e.g. feet rather than inches to measure the length of your backyard).
- Add, subtract, multiply and divide with money.
- Determine the amount of change received from a purchase.
- Estimate by rounding to the nearest dollar.
- Determine the total cost of purchased items.
- Determine the profit after expenses.
- Determine how many items can be purchased within a given budget.
- Find the unit cost given the total cost and the number of equal units.
- Figure the balance in a savings account after withdrawals and deposits.
- Find the time after adding or subtracting hours and minutes; also determine the amount of elapsed time.
- Determine which temperature measurement system (e.g. water freezes at 0 degrees – Celsius or Fahrenheit?).
- Use a Venn Diagram for classification.

Geometry

- Find the coordinates of given points on a grid.
- Using coordinates, interpret locations (e.g. find the Business School on a campus grid map).
- Identify properties of two-dimensional figures.
- Find the area of triangles and quadrilaterals.
- Classify triangles by their sides. (e.g. equilateral, scalene, isosceles).
- Determine the sum of the angles in a triangle and a quadrilateral.
- Find the perimeter of a parallelogram.
- Determine if lines are parallel or perpendicular.
- Determine whether shapes are congruent or similar.
- Make a comparison of the areas of a parallelogram after doubling its perimeter.
- Find the length of each side of a square given the perimeter.
- Identify a cube, cylinder, cone, rectangular prism.
- Identify diameter, radius, chord, center, circumference of a circle, intersection and line segment.
- Match the degree of a turn with its corresponding fraction (e.g. 1/4 = 90 degrees).

Data Analysis, Statistics and Probability

- Describe the probability of an event using ratios and percentages; also using 1 for “certain” and 0 for “ impossible”.
- Interpret data on graphs.
- Transfer information from a line graph to a chart.
- Predict future events based on evidence from past events.

Reasoning and Problem Solving

- Determine which piece of information is missing or is irrelevant when solving a word problem.
- Determine the reasonableness of a solution to a problem.
- Determine the possible number of combinations using different sets.

Extras: Fraction Cut-outs, Fraction Puzzles, Hundred Chart, Brain Aerobics

5th Grade

IMPORTANT!
Instructions for Parents

- To use Summer Math Skills Sharpener, simply tear off a page and have your child complete it. The book is designed to be used *3-4 days per week for 10 weeks.*
- Our math books support the Common Core Curriculum and the Standards of all 50 states. Therefore, some materials may not have been presented to your child. **Please allow your child to skip concepts not yet learned. Introduce new concepts only if your child shows readiness.**
- Check answers immediately for optimal feedback. Solution pages are provided at the back of the book. (**Solution pages represent only ONE method of solving each problem.**) A Lesson Tracker has been added for your convenience.
- Most problems can be solved on the page where they appear. If there is not adequate space, a separate sheet should be used. Work should always be shown.
- "Help Pages" have been added at the front of the book to clarify certain concepts.
- Allow your child to use a calculator only for those problems marked "Calculator Skill."
- When solving division problems, students should use remainders when necessary.
- The problems labeled "Hundred Chart" are to be used with the chart at the back of the book. Your child may use beans, buttons, coins, etc. for markers.
- When solving fraction problems, students should rename answers in lowest terms.
- Two "Fraction Fun Puzzle" pages are located at the back of the book and may be used with the "Fraction Cut-Outs" at any time. The Cut-Outs can also be used to manipulate with problems for visual help.
- A page entitled "Brain Aerobics" is located at the back of the book. The answers to these questions are on the back page.
- A "Glossary of Terms" and a "Table of Measurements" are at the back of the book.
- Adjust the program to vacations, etc. Presentation of mixed concepts on every page ensures that all skills are reinforced; therefore, pages may be completed in any order.
- If your child experiences difficulty with concepts that have been already taught, address the problem with his or her teacher in the fall; more consistent problems indicate that a tutor may be needed.
- Please read the information on the back of this page.

GRADE 5 HELP PAGES

SUBTRACTING A FRACTION FROM A WHOLE NUMBER

Example: $7 - \frac{3}{8}$

1st Step

$$\begin{array}{r} 7 \\ -\ \frac{3}{8} \\ \hline \end{array} \quad \xrightarrow{\text{(trade)}} \quad \begin{array}{r} 6\frac{8}{8} \\ -\ \frac{3}{8} \\ \hline \end{array}$$

Trade (borrow) one whole using same denominator as the fraction. 7 becomes $6\frac{8}{8}$.

2nd Step

$$\begin{array}{r} 6\frac{8}{8} \\ -\ \frac{3}{8} \\ \hline 6\frac{5}{8} \end{array}$$

Subtract fractions. Subtract whole numbers.

Simplify. (Write in lowest terms)

MULTIPLYING FRACTIONS

When multiplying two fractions: Multiply the numerators to find the product's numerator.

Multiply the denominators to find the product's denominator.

Example:

$$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$$

multiply the numerators

multiply the denominators

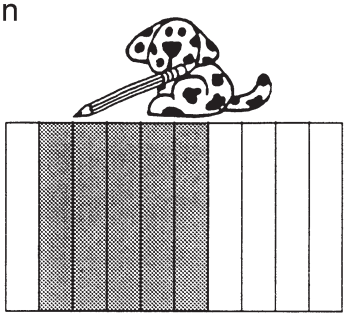
*It does not matter if the denominators are like or unlike.

1. Convert these liquid measurements into decimals:

a. 1 pint = _____ tenths of a quart

b. 1 quart = _____ hundredths of a gallon

2. What part of this rectangle is shaded?



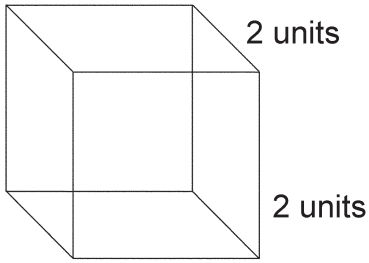
a. 5.5 b. .5 c. 5

3. $\frac{5}{8} - \frac{1}{4} =$ _____

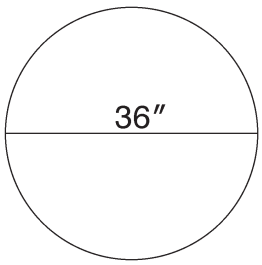
4. a.
$$\begin{array}{r} 38 \\ \times\ 44 \\ \hline \end{array}$$

b. $56\overline{)\$124.32}$

5. What is the volume of this cube? _____



6. Find the radius of the circle to the right:



_____ inches

7. Mental math: a. \$20.75 - \$5.75 = _____ b. \$10.45 + \$20.55 = _____

8. Compare and order from least to greatest.

$\frac{3}{4}$ $\frac{2}{3}$ $\frac{5}{8}$

_____ _____ _____

9. Mental math:

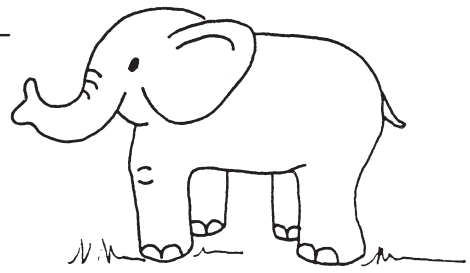
a. $1 \div \frac{1}{4} =$ _____ b. $2\frac{1}{2} + 3\frac{1}{2} =$ _____

10. Estimate: Would the difference of $2\frac{1}{2} - 1\frac{3}{4}$ be more or less than 1?

_____

11. If the total weight of 4 elephants is 40,000 lbs., what is their average weight? _____

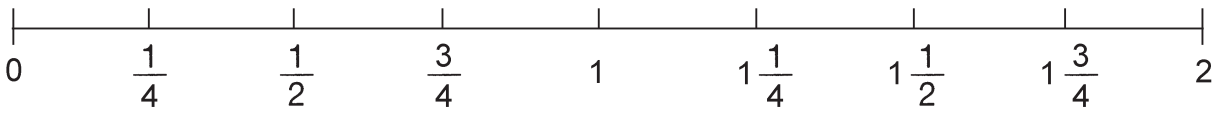
What would 7 elephants weigh? _____



12.

$$\begin{array}{r} \square\ \square\ \square \\ -\ 7\ \ 2\ \ 6 \\ \hline 1\ \ 8\ \ 2 \end{array}$$

13.



a. Is the sum of $\frac{1}{2} + \frac{1}{4}$ closer to 1 or $1\frac{1}{2}$? _____

b. Is the sum of $\frac{3}{4}$ and $\frac{1}{2}$ between 0 and 1 or between 1 and 2? _____

Lesson #21

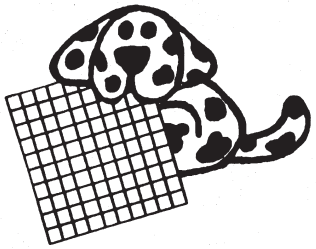
1. a. Write as a decimal: $\frac{207}{1000}$ _____

b. Write in numeric form: four and four hundred twenty-nine thousandths

_____

2. a.
$$\begin{array}{r} 781 \\ \times \quad 75 \\ \hline \end{array}$$

b. $27\overline{)6{,}190}$



3. Mental math: 350 + 225 = _____

4. If you put 3 gallons of water in a pot, how many quarts of water would you have? _____ How many pints? _____

5. Order these decimals to make the number sentence true. .780 .781 .708

☐ > ☐ > ☐

6. a.
$$\begin{array}{r} 70\ \frac{5}{8} \\ -\ 43\ \frac{3}{8} \\ \hline \end{array}$$

b.
$$\begin{array}{r} \frac{4}{5} \\ +\ \frac{1}{10} \\ \hline \end{array}$$

7. Look at the numeral '6' in these two numbers: 6,002 and 2,006

How many times more is the '6' in 6,002 than the '6' in 2,006 ?

Circle: 100 times 1,000 times 10 times

8. Leo and Will had pizza for dinner. Leo ate $\frac{3}{8}$ of a pizza and Will ate $\frac{3}{4}$ of a pizza. How much pizza did they eat?

_____

9. 56 + n = 98 n = _____

10. $\frac{1}{3}$ x 6 = _____

11. In Mrs. Smith's fifth grade, 2 out of every 5 students have pets. If there are 30 students in her class, how many students have pets? _____

12. a. Rewrite this decimal after you multiply by 10.

.03 _____

b. Rewrite this decimal after you divide by 10.

.5 _____

13. Match each decimal on the left with a decimal on the right so each sum is 1.8:

a. .6 .73

b. 1.07 1.2

c. .9 .9

Lesson #34

1. a. Extend this number pattern: 40 32 24 ____ ____

   b. What rule did you use? _____

2. I have 4 sides. 2 of my sides are parallel. The other two are not. What am I?

3. Circle the correct symbols:

   a. .05 (**<**, **>** or **=**) .050 b. .751 (**<**, **>** or **=**) .750

4. Fill in the equivalent amounts.

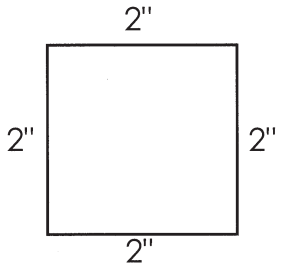
Percent	Decimal	Fraction
50%	.5	$\frac{1}{2}$
		$\frac{1}{4}$
20%		
	.125	
		$\frac{1}{10}$

5. a. (–6) + (–5) = _____ b. (-6) – 5 = _____

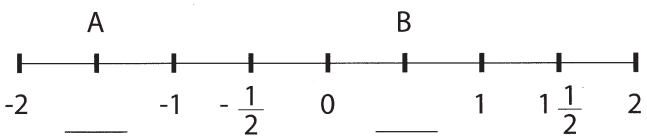
6. The area of this square is 4 square inches.

   If you double the length of each side, the area will:

   a. double b. triple c. quadruple



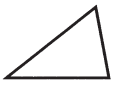
7. Fill in the missing numbers:

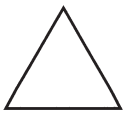


Lesson #34 continued

8. Match:

a.  equilateral

b.  scalene

c.  isosceles

9. Draw a circle around $\frac{2}{5}$ of these stars.

10. If ☐ + ☐ = 10 and ☐ + △ = 7

What is ☐ ? _____ What is △ ? _____

11. a. 120 ÷ 10 = _____ c. 120 x .10 = _____

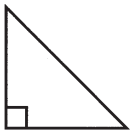
b. 200 x 100 = _____ d. 200 ÷ 100 = _____

12. a. Water boils at 212° Farenheit or Celsius

b. Water freezes at 0° Farenheit or Celsius

c. Normal human body temperature is 98.6 Farenheit or Celsius

13. Are these triangles congruent or similar?

a.  b.  _____

HUNDRED CHART

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Challenge yourself with these BRAIN AEROBICS:

1. There are 5 poles in a straight row, each ten feet apart. What is the total distance between the first pole and the fifth pole?

2. There are 30 children in Mrs. O'Boyle's class. One half of the the children are boys. All but 2 of the girls in the class attended the picnic. How many girls attended the picnic?

3. On Monday Sherry deposited (added) $7.00 to her savings account. On Tuesday she withdrew (took out) $6.00. She then had a total of $15.00 in her account. How much money did she have in her account before Monday?

4. An item that you are purchasing costs $11.10. You want your change to be a $10 bill. How much money must you give the clerk?

5. You have 40 blue ribbons. You have 1/2 as many red ribbons as blue ribbons. You have 1/2 as many yellow ribbons as red ribbons. How many yellow ribbons do you have?

6. If June 7th is a Saturday, on what day is the Fourth of July?

7. Sally has quarters and dimes. The coins total $1.20. She has twice as many quarters as dimes. How many quarters does she have? How many dimes?

8. A grab bag contains 30 marbles, 25 rings and 28 key chains. You want either a ring or a key chain. If you only get one pick, will you most likely get what you want?

9. To the nearest year, how old would you be if you were one million minutes old?

10. I am a number less than 100 and more than 30. My tens place is twice the size of my ones place numeral. When you add my numerals together they equal an odd number. What number am I?

The answers are on the back!

FRACTION CUT-OUTS

WHOLE	
$\frac{1}{2}$	$\frac{1}{2}$

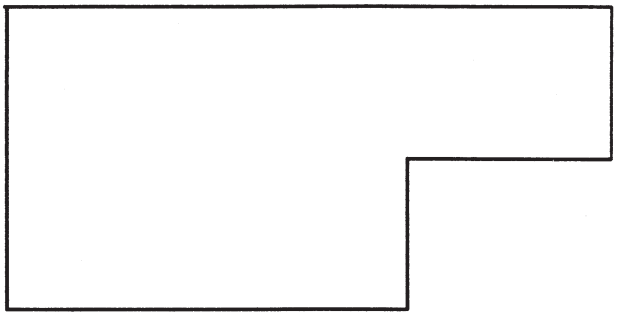
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{1}{4}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

Fraction Fun Puzzles

Use your fraction cut-outs to help you solve these puzzles.
The answers are on the back of this page.

I. Cover this shape using only 2 pieces.

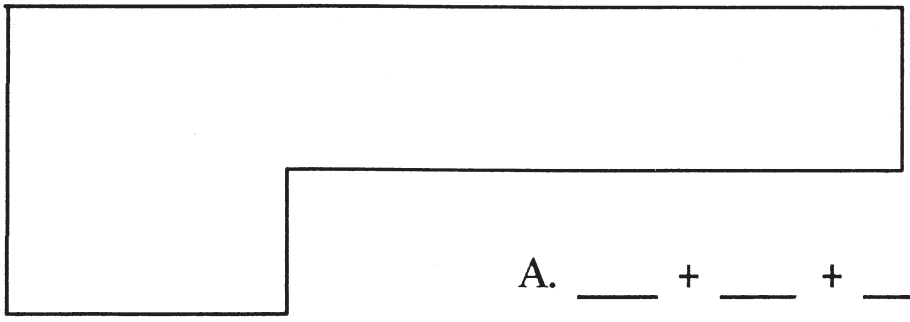


A. ____ + ____

Now use 3 pieces

B. ____ + _____ + _____

II. Cover this shape using only 3 pieces.



A. ____ + ____ + ____

Now use only 4 pieces.

B. ____ + ____ + ____ + ____

The Metric Units

Temperature - Celsius
0°C: the freezing point of water
37°C: the normal body temperature
100°C: the boiling point of water

Mass
1000 milligrams (mg) = 1 gram
1000 grams = 1 kilogram (kg)
1000 kilograms = 1 metric ton (t)

Capacity
1000 milliliters (mL) = 1 liter (L)
1000 liters = 1 kiloliter (kL)

Length
10 millimeters (mm) = 1 centimeter
10 centimeters (cm) = 1 decimeter
1000 millimeters (mm) = 1 meter (m)
100 centimeters = 1 meter (m)
10 decimeters (dm) = 1 meter
1000 meters (m) = 1 kilometer (km)

The Customary Units

Temperature - Fahrenheit
32°F: the freezing point of water
98.6°F: the normal body temperature
212°F: the boiling point of water

Weight
1 pound (lb) = 16 ounces (oz)
1 ton = 2,000 pounds

Time
1 minute (min) = 60 seconds (s)
1 hour = 60 minutes
1 day = 24 hours
1 week = 7 days
1 month (mo) = approx. 4 weeks
1 year (yr) = 365 days
52 weeks
12 months
1 decade = 10 years
1 century = 100 years

Capacity

1 cup (c) =	8 fluid ounces (fl oz)
1 pint (pt) =	16 fluid ounces 2 cups
1 quart (qt) =	32 fluid ounces 4 cups 2 pints
1 gallon (gal)=	128 fluid ounces 16 cups 8 pints 4 quarts

Length

1 foot (ft) =	12 inches (in)
1 yard (yd) =	36 inches 3 feet
1 mile (mi) =	5,280 feet 1,760 yards

GLOSSARY OF TERMS AND FORMULAS

a.m.: a way of expressing time between 12:00 midnight and 12:00 noon.

acute angle: an angle measuring less than 90 degrees.

addends: numbers to be added together in an addition problem.

algebraic expression: an expression that uses at least one letter to represent a number.

angle: the measured space between two lines that meet at one point.

area: the measure of a region in square units.
Formulas:
Quadrilateral: A = length x width
Triangle: A = ½ x base x height
Circle: $A = \pi r^2$
$\pi \approx 3.14$
r = radius

average: a number obtained by adding a group of numbers together and dividing by the number of addends.

center: the point from which all points on a circle are equally distant.

chord: a line segment whose endpoints are on a circle. 

circle: round-shaped figure that has no corner or edges, and each point is equidistant from the center.

circumference: the distance around a circle.
Formula: $c = 2 \pi r$ r = radius $\pi \approx 3.14$

common denominator: a multiple of all denominators in a problem.

common factor: a number that is a factor of two other numbers is a common factor.
Example: 3 is a common factor of 9 and 12.

common multiple: a number that is a multiple of two other numbers.
Example: 24 is a common multiple of 6 and 4.

complementary angle: the number in degrees given to an angle that when added to another angle will give 90 degrees.

congruent: being the same.

coordinates: number pairs used in graphing. The horizontal axis is listed first and the vertical axis is listed second.
Example: 8, 10

customary measurement: units of measurement used in the United States.
Example: feet, pounds, miles, etc.

decade: a period of 10 years.

decimal point: a period put just before the decimal fraction such as the periods in .625 and .08

degree: a unit used to measure an angle or temperature.

5th Grade — Lesson 17

1) $63 \div 7 = 9$

2) $\frac{1}{2} = \frac{4}{8}$
$-\frac{3}{8} = \frac{3}{8}$
$\frac{1}{8}$

3) 342×511
342
1710
$174,762$

4) 12 in = 1 ft
144 in = 12 ft
168 in = 14 ft
12 x 14 = 168 sq ft

5) $47 \overline{)2341}$ = 49 R 38
188
46

6) a. 434 round ↓ 430
-229 ↑ 230
200

b. 1,029 ↑ 1,030
$-1,003$ ↓ 1,000
30

7) $26\frac{3}{5} + 4\frac{2}{5}$
$30\frac{5}{5} = 31$

8) hundred thousand

9) a. $3 \times 5 + (17-6)$
$3 \times 5 + (11)$
$3 \times 5 + 11$
$15 + 11 = 26$

b. $20 + 4(30-5)$
$20 + 4(25)$
$20 + (100) = 120$

10) a. Perimeter = 2 lengths + 2 widths
$P = 2L + 2W$
$L = 12"$ $W = 10"$
$P = 2(12) + 2(10)$
$P = 24 + 20 = 44$ in

11) $\frac{1}{2} \div \frac{1}{2}$ $\frac{1}{2} \times \frac{2}{1} = 1$

12) a. $\$2.00 \div 49¢ = 4.08$ rounded down 4
b. $\$2.00 \div 21¢ = 9.5$ rounded down 9
c. $\$2.00 \div 9¢ = 22.2$ rounded down 22
d. $\$2.00 \div 67¢ = 2.9$ rounded down 2

13) 5 circles
8 objects
5:8

5th Grade — Lesson 18

1) Isabel is shorter than Sophia — Sophia is shorter than Mia — Isabel shorter than Mia — yes

2) .636 round ↑ .64
.041 ↓ .04
.507 ↑ .51

3) even: 10, 12, 14
prime: 11, 13

4) a. 811
$\times 47$
5677
3244
38,117

b. $16 \overline{)130}$ = 8 R 2
128
2

5) a. $600 + 50 + 7 = 657$

b. 5 hundreds = 500
14 tens = 140
8 ones = 8
$500 + 140 + 8 = 648$

c. $6,400 + 8 = 6,408$

d. 6 hundreds = 600
48 tens = 480
$600 + 480 = 1,080$

6) $214 + 40 = 254$

7) a. $\frac{20}{100} \div \frac{20}{20} = \frac{1}{5}$

b. $\frac{10}{5} \div \frac{10}{10} = \frac{1}{5}$

8) $\frac{5}{8} = \frac{5}{8}$
$+\frac{3}{4} = \frac{6}{8}$
$\frac{11}{8} = 1\frac{3}{8}$

9) 10.92 round ↑ 11

10) $50\frac{3}{5}$
$-23\frac{2}{5}$
$27\frac{1}{5}$

11) $\frac{7}{10}$ hr. Elsie
$\frac{4}{5}$ hr. $= \frac{8}{10}$ Raymond

12) $(5+6) \times 5 = 55$
$(6+5) \times 5 = 55$
yes

13) a. certain – nothing but dimes
b. likely – because there are more quarters than nickels
c. impossible – no half dollars

5th Grade — Lesson 19

1) See table of measurements
a. 1 pint = $\frac{1}{2}$ quart = 5
b. 1 quart = $\frac{1}{4}$ gallon = 25

2) $\frac{5}{10}$ shaded boxes / total boxes $= \frac{1}{2}$ or .5
6

3) $\frac{5}{8} = \frac{5}{8}$
$-\frac{1}{4} = \frac{2}{8}$
$\frac{3}{8}$

4) a. 38
$\times 44$
152
152
1,672

b. $56 \overline{)\$124.32}$ = \$2.22
112
123
112
112

5) Volume = Length x width x height
$2 \times 2 \times 2 = 8$ cubic units

6) radius = $\frac{1}{2}$ diameter
18"

7) a. \$15.00
b. \$31.00

8) $\frac{5}{8}, \frac{2}{3}, \frac{3}{4}$

9) a. $\frac{1}{1} \times \frac{4}{1} = 4$

b. $2\frac{1}{2} + 3\frac{1}{2}$
$\frac{1}{2} + \frac{1}{2} = 1$ $1+2+3 = 6$

10) $2\frac{1}{2} = 2\frac{2}{4} = \frac{10}{4}$
$-1\frac{3}{4} = -1\frac{3}{4} = \frac{7}{4}$
$\frac{3}{4}$ less than 1

11) $40,000 \div 4 = 10,000$ lbs
$10,000 \times 7$ Elephants =
70,000 lbs

12) $726 + 182$
908

13) a. $\frac{1}{4} = \frac{1}{4}$
$+\frac{1}{2} = \frac{2}{4}$
$\frac{3}{4}$ 1

b. $\frac{3}{4} = \frac{3}{4}$
$+\frac{1}{2} = \frac{2}{4}$
$\frac{5}{4} = 1\frac{1}{4}$
1 and 2

5th Grade — Lesson 20

1) 409,577 449,890 499,700

2) $17\frac{3}{4}$
$6\frac{1}{4}$
$11\frac{2}{4} = 11\frac{1}{2}$

3) a. 343
$\times 780$
27440
2401
267,540

b. 343
$\times 78$
2744
2401
267,54

4) $\frac{1}{2} = \frac{2}{4}$
$\frac{1}{4} = \frac{1}{4}$
$+\frac{3}{4} = \frac{3}{4}$
$\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

5) $27 \overline{)81}$ = 3
81
0

6) a. 8,903 round ↑ 9,000 ÷ 10 = 900
b. 7,352 ↓ 7,000 ÷ 100 = 70

7) $\frac{3}{4} = \frac{6}{8}$ so
$\frac{7}{8} > \frac{3}{4}$

8) a. $\frac{1}{2} \div 4$ $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

b. $\frac{1}{4} \div 2 = \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$

9) a. $16 \div 6$, ~~$36 \div 6$~~

b. $34 \div 6$

c. $36 \div 6 = 6$
$42 \div 6 = 7$
$60 \div 6 = 10$
$66 \div 6 = 11$

10) a. .042
b. .42

11) \$1.33 per minute
$\times 6$ minutes
\$7.98

\$2.37 1st minute
$+ 7.98$
\$10.35

12) b. $\frac{1}{4} \times (\frac{10}{10}) = \frac{10}{40}$ c. $\frac{1}{4} \times \frac{25}{25} = \frac{25}{100}$ d. $\frac{1}{4} \times (\frac{4}{4}) = \frac{4}{16}$
e. $\frac{1}{4} \times (\frac{250}{250}) = \frac{250}{1000}$ f. $\frac{1}{4} \times (\frac{3}{3}) = \frac{3}{12}$

13) a. Km = kilometer = 1000 meters
$20 \times 1000 =$ 20,000 meters

b. 1 gram = 1,000 milligrams
$88,800 \div 1,000 =$ 88.8 grams