

Corrections for the 7th grade math packet

Page 9 – Directions for #5 should read: Change to a percent

Answer key: Page 3 #7 - The answer should be 89.48

Page 4 #11 - The answer should be 40.6 kg

Page 5 #10 - The answer should be $n = 18$

7th Grade

Summer Math Packet

Dear Students,

The math skills you have learned in sixth grade must be reviewed over the summer so that you will be ready for seventh grade pre-algebra. This packet is a review of concepts that we covered this year. Show your work in the spaces provided. If you need to use extra paper please do so. Complete a couple of pages each week. Space it out over the summer. There are notes and sample problems in the packet as well as an answer key.

Have a great summer!

Mrs. Delahoussaye

Mrs. Fernandez

Name: _____

Working with Fractions

GCF - greatest common factor; largest factor of 2 or more numbers

Use the GCF when reducing a fraction to lowest terms.

Example: The GCF of 12 and 18 is 6.

LCM - least common multiple; smallest multiple that 2 or more numbers have in common. LCM is used when finding a common denominator so that the fractions can be added or subtracted.

Example: The LCM of 12 and 18 is 36.

Addition - must have a common denominator before adding fractions; answer should be reduced so that it is in lowest terms.

$$\begin{array}{r} \frac{6}{8} \\ + \frac{3}{8} \\ \hline \frac{9}{8} = 1\frac{1}{8} \end{array}$$

$$\begin{array}{r} 6\frac{2}{3} = 6\frac{4}{6} \\ + 1\frac{5}{6} = 1\frac{5}{6} \\ \hline 7\frac{9}{6} = 8\frac{1}{2} \end{array}$$

Subtraction - must have a common denominator before subtracting; may need to borrow.

$$\begin{array}{r} \frac{3}{4} = \frac{6}{8} \\ - \frac{1}{8} = \frac{1}{8} \\ \hline \frac{5}{8} \end{array}$$

$$\begin{array}{r} 8 = 7\frac{4}{4} \\ - 2\frac{1}{4} = 2\frac{1}{4} \\ \hline 5\frac{3}{4} \end{array}$$

$$\begin{array}{r} 4\frac{1}{3} = 3\frac{4}{3} \\ - 2\frac{2}{3} = 2\frac{2}{3} \\ \hline 1\frac{2}{3} \end{array}$$

To change a mixed number to an improper fraction, multiply the whole number by the denominator and add the numerator. Put that number over the denominator.

$$5\frac{1}{3} = \frac{5 \times 3 + 1}{3} = \frac{16}{3}$$

To change from improper to mixed, divide the numerator by the denominator. Put the remainder over the denominator. $\frac{7}{3} = 7 \div 3 = 2\frac{1}{3}$

Multiplication of fractions - multiply numerator times numerator and denominator times denominator. Mixed numbers should be written as improper fractions before multiplying

$$\frac{7}{8} \times \frac{3}{5} = \frac{21}{40}$$

$$1\frac{1}{2} \times 1\frac{1}{3} = \frac{3}{2} \times \frac{4}{3} = \frac{12}{6} = 2$$

Remember that a whole number can be written as a fraction with a denominator of 1.

$$\frac{5}{8} \text{ of } 40 = \frac{5}{8} \times \frac{40}{1} = 25$$

Division of fractions - write each mixed number as an improper fraction. Change your division sign to a multiplication sign and change the second fraction to its reciprocal (flip it upside down). For example, the reciprocal of $\frac{3}{4}$ is $\frac{4}{3}$. Then multiply.

$$3 \div \frac{3}{4} = \frac{3}{1} \times \frac{4}{3} = \frac{12}{3} = 4$$

$$1\frac{1}{3} \div 1\frac{2}{5} = \frac{4}{3} \div \frac{8}{5} = \frac{4}{3} \times \frac{5}{8} = \frac{20}{24} = \frac{5}{6}$$

Working with Decimals

Place value

TENS | ONES . TENTHS | HUNDREDTHS | THOUSANDTHS

Addition and Subtraction - Line up the decimal points; use zeroes as placeholders if needed.

Examples:

$$0.4 + 0.683 + 9.72$$

$$2.8 - 0.943$$

$$9 - 5.7$$

$$0.400$$

$$2.800$$

$$9.0$$

$$0.683$$

$$-0.943$$

$$-5.7$$

$$+ 9.720$$

$$1.857$$

$$3.3$$

$$10.803$$

Multiplication - Multiply as you would with whole numbers. Next, count the number of decimal places in each factor, and mark off that many places in the product.

Example: 42.4×0.03

42.4 (1 decimal place)

$\times 0.03$ (2 decimal places)

1.272 (1 + 2 = 3 decimal places)

Sometimes you may need to add zeroes at the beginning of the answer. Example:

$$.424$$

(3 places)

$\times 0.03$ (2 places)

.01272 (5 places)

*Notice the 0 that was added in front of the 1 in the example above.

Division by a whole number - When dividing by a whole number, simply divide and

bring the decimal point straight up from the dividend and put it in the quotient.

Example: $9 \overline{)0.4554}$

Division by a decimal - When dividing by a decimal, you must first move the decimal in the divisor to make it a whole number. Next, move the decimal the same number of places in the dividend. Finally, divide as you would with a whole number.

Example: $0.05 \overline{)0.3525}$

Rounding decimals - Using the number to right of the place that you are rounding to, determine whether to round the number up or keep it the same.

Example Round 3.47 the nearest tenth

The 4 is in the tenths place. Look to the number to the right. Since the 7 is greater than 5, you would round the 4 to a 5 and your answer is 3.5

Comparing Fractions

To compare fractions, you should rewrite each fraction using a common denominator. Then simply compare the numerators.

Example: Compare $\frac{1}{4}$ and $\frac{2}{7}$. Using 28 as the common denominator for 4 and 7, you would rewrite each fraction as follows:

$$\frac{1}{4} = \frac{7}{28} \quad \text{and} \quad \frac{2}{7} = \frac{8}{28}$$

Compare the numerators. $7 < 8$ so therefore,

$$\frac{1}{4} < \frac{2}{7}$$

Comparing decimals

To compare decimals, write the decimals so that they each have the same number of decimal places. Then compare the digits as you would for a whole number.

Example: Compare 0.34 and 0.285

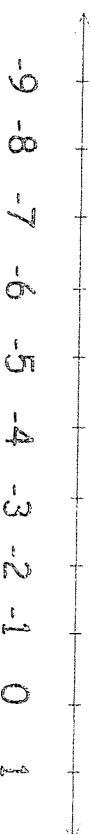
Write 0.34 as 0.340 so that both

numbers now have 3 decimal places. Now compare 0.340 and 0.285. $0.340 > 0.285$ so $0.34 > 0.285$

Comparing Integers

When looking at a number line the further a number is to the left, the smaller it is. This rule applies to positive and negative numbers. When you need to compare to numbers, the one that is furthest to the left on the number line is smaller.

Example: Compare -8 and -2. Look at the number line.



-8 is to the left of -2 so it is smaller. Therefore, $-8 < -2$.

Angles

Acute angles measure less than 90° . Obtuse angles measure more than 90° but less than 180° . Right angles measure 90° . A straight angle measures 180° . Complementary angles are two angles whose sum equals 90° .

Supplementary angles are two angles whose sum equals 180° .

Vertical angles are formed when two lines intersect.

They are opposite of each other and will have the same measurement. Angles A and B are vertical angles

opposite angles



Fraction - Decimal - Percent Conversion

*To change a fraction into a decimal, divide the numerator by the denominator. $\frac{3}{8} = 3 \div 8$

Example
$$\begin{array}{r} \underline{.375} \\ 8 \overline{)3.000} \end{array}$$
 so $\frac{3}{8} = .375$

*To change a decimal into a fraction, write the decimal as a fraction and then put it in lowest terms.

Example
$$.54 = \frac{54}{100} = \frac{27}{50}$$

*To change a decimal to a percent, multiply by 100, which is the same as moving your decimal point two places to the right and then add a percent sign to the end of the number.

Example $0.45 = 45\%$ $3.27 = 327\%$ $0.003 = 0.3\%$

*To change a percent to a decimal, divide by 100 which is the same as moving your decimal point two places to the left. You may need to add zeroes in the front of the number.

Example: $38\% = .38$ $427\% = 4.27$ $5\% = .05$

*To change from a fraction to a percent, change the fraction to a decimal and then the decimal to a percent. To change from a percent to a fraction, go from a percent to a decimal and then to a fraction.

Finding Percent of Number

Change the percent to a decimal or a fraction and then multiply.

Example: 40% of $32 = .40 \times 32 = 12.8$ or

$$\frac{2}{5} \times 32 = 12\frac{4}{5} \text{ or } 12.8$$

Mean Median Mode and Range

Mean - Add all values and divide by the number of values.

Median - Arrange the values in order from least to greatest. The one in the middle is the median. In the case of an even number of values, find the mean of the two values in the middle.

Mode - The value that occurs most often. A set of values can have more than one mode or no mode at all.

Range - The difference (subtract) between the highest value and the lowest value.

Exponents

Example: $4^2 = 4 \times 4 = 16$

$$6^0 = 1 \text{ (Any number to the power of zero is 1)}$$

Evaluating Variable Expressions

Substitute the given value for the variable and then solve the equation. Example: Evaluate $2a + 4$ if $a = 6$. (Substitute the 6 for a.) $2 \times 6 + 4 = 12 + 4 = 16$

Ratio and Proportion

A ratio is a comparison of two numbers. A proportion is formed when two ratios are equivalent.

Use cross products to see if ratios are equivalent and to solve proportions.

Example: Do these two ratios form a proportion?

$$\frac{6}{8} = \frac{3}{4}$$

Yes, they form a proportion because $6 \times 4 = 3 \times 8$.

Example: $\frac{4}{6} = \frac{10}{n}$ $4n = 6 \times 10$

$$6 \quad n \quad 4n = 60$$

$$n = 15$$

Solving one-step equations

Balance the equations by adding, subtracting, multiplying, or dividing each side of the equation by the same number so that you can isolate the variable by itself.

Example: $c + 4 = 16$ $8n = 168$

$$\frac{-4}{-4} \quad \frac{-4}{-4} \quad \frac{8n}{8} = \frac{168}{8}$$

$$c = 12 \quad \frac{8}{8} \quad \frac{8}{8}$$

$$n = 21$$

Square roots

The square root of a number is the number that you would multiply times itself to get that number.

Example: $\sqrt{9} = 3$ because $3 \times 3 = 9$.

Integers

Addition - When adding integers with like signs, simply add and keep the sign.

Example $-3 + (-5) = -8$ $5 + 9 = 14$

When adding integers with unlike signs, find the difference of their absolute values (subtract) and take the sign of the number with the larger absolute value.

Example $-8 + 6 = -2$ (Difference between 8 and 6 is 2 and -8 has a larger absolute value so the 2 is negative.)

Example $-3 + 9 = 6$ (Difference between 3 and 9 is 6 and 9 has a larger absolute value so the 6 is positive.)

Multiplication - When multiplying or dividing integers, if the integers have the same sign then the answer is positive. If the integers have different signs then the answer is negative.

Example: $-2 \times -5 = 10$ $-20 \div 5 = -4$

Coordinate plane

When graphing an ordered pair, go across first (x-axis) and then go up or down for the y-axis.

Formulas

Circumference of a circle

$$C = 2\pi r \text{ OR } C = \pi d$$

$$\pi = 3.14$$

Perimeter

Polygon P = sum of the lengths

of the sides

Rectangle $P = 2(l + w)$

Square $P = 4s$

Area

Circle $A = \pi r^2$

Parallelogram $A = bh$

Rectangle $A = lw$

Square $A = s^2$

Trapezoid $A = \frac{1}{2} h \times (b_1 + b_2)$

Triangle $A = \frac{1}{2} bh$

Measurement

Capacity

1 teaspoon (tsp) = $\frac{1}{6}$ fluid ounce (fl oz)

1 tablespoon (tbsp) = $\frac{1}{2}$ fluid ounce

1 cup (c) = 8 fluid ounces

1 pint (pt) = 2 cups

1 quart (qt) = 2 pints

1 quart (qt) = 4 cups

1 gallon (gal) = 4 quarts

Length

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 36 inches

1 yard = 3 feet

1 mile (mi) = 5,280 feet

1 mile = 1,760 yards

1. Write 7,000,000 in words.	2. Round 48,377 to the nearest thousand.	3. Add $632 + 577 + 298$
4. Subtract $6000 - 3956$	5. Multiply 37×26 .	6. Multiply 372×305 .
7. Divide $4036 \div 25$. Write your remainder as a fraction.	8. CD's cost \$8. DVD's cost \$10. How much do 4 CD's cost?	9. Paul ran 400 yards. How many feet did he run?
10. Subtract $6025 - 1773$.	11. Multiply 248×72 .	12. Solve $\frac{n}{25} = 42$

<p>1. Give the quotient. Round to the nearest hundredth. $41.53 \div 2.7$</p>	<p>2. Solve.</p> $\frac{n}{6} = 12$	<p>3. What is the least common multiple of 9 and 12?</p>
<p>4. $7\frac{3}{4} - 5\frac{1}{6}$</p>	<p>5. $\frac{7}{8} \div \frac{1}{4}$</p>	<p>6. $3\frac{5}{12} + 2\frac{1}{3}$</p>
<p>7. $6 - 2\frac{3}{7}$</p>	<p>8. $0.23 \times 10 = \underline{\hspace{2cm}}$ $0.23 \times 100 = \underline{\hspace{2cm}}$ $0.23 \times 1000 = \underline{\hspace{2cm}}$</p>	<p>9. $5^2 = \underline{\hspace{2cm}}$ $12^2 = \underline{\hspace{2cm}}$ $4^3 = \underline{\hspace{2cm}}$</p>
<p>10. $8003 - 4297$</p>	<p>11. 47×28</p>	<p>12. Divide $3714 \div 6$</p>

<p>1. Simplify $(20 + 4) \div 2 \times 2$</p>	<p>2. Round 67.751 to the nearest one.</p>	<p>3. Add. $3.98 + 42.7$</p>
<p>4. Subtract $5.007 - 0.389$</p>	<p>5. Alan bought five 12 cent stamps and twenty 18 cent stamps. What was the total cost of the stamps?</p>	<p>6. Round 5.3692 to the nearest thousandth.</p>
<p>7. Find the sum. $82.5 + 6.98$</p>	<p>8. Find the difference. $38.2 - 3.45$</p>	<p>9. Multiply 5.42×31.4</p>
<p>10. Solve $X + 33 = 70$</p>	<p>11. $5\frac{3}{4} + 2\frac{1}{3}$</p>	<p>12. $8\frac{1}{4} - 2\frac{5}{8}$</p>

1. $\frac{2}{3} \times 6$	2. $2\frac{3}{8} \div 1\frac{1}{3}$	3. Divide $14,280 \div 136$
4. $37.6 - 2.54$	5. 5.84×6.5	6. $7.93 \div 2.6$
7. What is the greatest common factor of 9 and 12?	8. $\frac{2}{5} - \frac{1}{3}$	9. $2\frac{3}{5} + 1\frac{2}{5}$
10. Adele had 18 books. This was 3 more books than Vera had. How many books did Vera have?	11. Leon weighs 97.4 kg. Alan weighs 138 kg. How many more kg does Alan weigh than Leon?	12. $62.8 - 3.54$

1. 3.26×1.5	2. Find the mean of 6.8, 3.5, 9.2, 7.45, 6.05.	3. What is the prime factorization of 24?
4. $\frac{5}{9} + \frac{5}{6}$	5. $1\frac{4}{5} - \frac{2}{3}$	6. $2\frac{1}{2} \times 4\frac{1}{4}$
7. Write $\frac{4}{5}$ as a decimal.	8. Write 0.25 as a percent.	9. 75% of 48 = _____
10. Solve $n + 29 = 47$	11. $6.2 + 3.8 + 0.57$	12. $3.216 \div 0.08$

<p>1. What is the prime factorization of 56?</p>	<p>2. $\frac{5}{6} \times \frac{2}{3}$</p>	<p>3. What is the reciprocal of $\frac{7}{10}$.</p>
<p>4. $\frac{4}{15} \div \frac{1}{3}$</p>	<p>5. Solve. $n - 6 = 15$</p>	<p>6. Solve. $y + 27 = 36$</p>
<p>7. Solve. $12n = 108$</p>	<p>8. Lee has some money in his wallet. He buys a book for \$13. Then he has \$28 left in his wallet. How much money did he have before he bought the book?</p>	<p>9. Find each product.</p> <p>$\frac{2}{5}$ of 40 = _____</p> <p>$\frac{7}{8}$ of 48 = _____</p> <p>$\frac{1}{4}$ of 36 = _____</p>
<p>10. Name the % for each fraction.</p> <p>$\frac{4}{5} =$ _____</p> <p>$\frac{1}{4} =$ _____</p>	<p>11. Write each decimal as a percent.</p> <p>0.59 = _____</p> <p>0.7 = _____</p> <p>0.418 = _____</p> <p>7.3 = _____</p>	<p>12. $5\frac{1}{4} - 4\frac{2}{3}$</p>

1. $\frac{7}{10} \div \frac{3}{8}$	2. Find the LCM of 12 and 20.	3. Solve the proportion. $\frac{14}{n} = \frac{21}{54}$
4. Find the unit price if a store sells 4 containers of fruit punch for \$3.60.	5. Find the unit price if a store sells 8 bars of soap for \$2.96.	6. Compare using < or >. 0.073 _____ 0.07 0.9 _____ 0.09 4.58 _____ 4.6
7. $(12 + 6) \div 2 \times 3 =$ _____	8. $12 + 6 \div 2 \times 3$	9. Solve. $8n = 72$
10. Divide $0.8 \div 0.016$	11. Write in order from least to greatest. 7.631; 7.64; 7.463	12. 45% of 20

<p>1. Kate has $4\frac{1}{2}$ pounds of sliced turkey. She is making huge poboys that have $\frac{3}{4}$ pounds of meat on each sandwich. How many turkey poboys can be made?</p> <p>A. $5\frac{1}{4}$ B. 6 C. $3\frac{3}{4}$</p>	<p>2. Larry works $5\frac{3}{4}$ hours each day. How many hours does he work in 6 days?</p> <p>A. $11\frac{3}{4}$ B. $30\frac{3}{4}$ C. $34\frac{1}{2}$</p>	<p>3. Mr. Clarke buys 6 English ivy plants for \$5.95 each and 4 flower pots for \$2.75 each. How much does Mr. Clarke spend in all?</p> <p>A. \$35.70 B. \$38.50 C. \$46.70</p>
<p>4. Write as an improper fraction.</p> <p>$3\frac{5}{8}$</p> <p>$5\frac{9}{10}$</p> <p>$4\frac{2}{9}$</p>	<p>5. Write as a mixed number.</p> <p>$\frac{32}{3}$</p> <p>$\frac{25}{4}$</p> <p>$\frac{38}{9}$</p>	<p>6. Compare using < or >.</p> <p>$\frac{7}{15}$ _____ $\frac{7}{10}$</p> <p>$\frac{7}{9}$ _____ $\frac{2}{3}$</p>
<p>7. Solve.</p> <p>$\frac{3}{9} = \frac{n}{36}$</p>	<p>8. Solve.</p> <p>$\frac{2}{3} = \frac{12}{n}$</p>	<p>9. Solve.</p> <p>$\frac{n}{15} = \frac{2}{5}$</p>
<p>10. Use an integer to describe the following situation.</p> <p>The altitude of Death Valley is 282 feet below sea level.</p>	<p>11. Use an integer to describe the following situation.</p> <p>Mount Hood is 11,239 feet above sea level.</p>	<p>12. Compare using < or >.</p> <p>-11 _____ 8</p> <p>-13 _____ -16</p>

<p>1. The sum of complementary angles is _____°</p>	<p>2. The sum of supplementary angles is _____°</p>	<p>3. Change each percent to a decimal.</p> <p>5% = _____</p> <p>28% = _____</p> <p>4.5% = _____</p>
<p>4. Find 25% of 40.</p>	<p>5. Change to a decimal.</p> <p>0.47 = _____</p> <p>0.003 = _____</p> <p>1.9 = _____</p>	<p>6. Write each percent as a fraction in lowest terms.</p> <p>35% = _____</p> <p>99% = _____</p> <p>540% = _____</p>

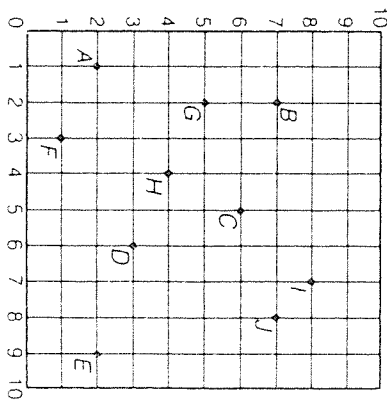
Use a number line to find the sum.

1. $-5 + -1$ _____
2. $-9 + +5$ _____
3. $+7 + -6$ _____
4. $+2 + +4$ _____
5. $-9 + +2$ _____
6. $-8 + -6$ _____
7. $+6 + -7$ _____
8. $-3 + +8$ _____

Use the grid to answer exercises 9–10.

9. Write the letter naming each of these points.

- a. (3, 1) _____
- b. (9, 2) _____
- c. (7, 8) _____
- d. (5, 6) _____



10. Write the ordered pair naming each of these points.

- a. A _____
- b. H _____
- c. J _____
- d. B _____

<p>1. There are 20 students in the photography club. 95% of the club showed up to help out at a car wash fundraiser. How many members showed up?</p>	<p>2. Merritt found a soccer ball that originally sold for \$25. It is reduced by 30%. What is the sale price of the soccer ball?</p>	<p>3. A board that is $12\frac{1}{2}$ feet long is being cut into sections that are $\frac{1}{4}$ foot long. How many sections can be cut from the whole board?</p>
<p>4. Sarah bought two adult movie tickets and three children's movie tickets for a total of \$34. If each adult ticket cost \$8, then what is the cost of one children's ticket?</p>	<p>5. Irene is designing a flower bed that will have a fence surrounding it. The length of the flower bed will be three times as long as the width.</p> <p>a) If the width of the flower bed is eight feet, what is the perimeter of the flower bed?</p> <p>b) What is the area of the flower bed?</p>	<p>6. Sherri ran a mile in 6.15 minutes. Previously, her time was 6.25 minutes. By how many seconds did she improve? (There are 60 seconds in a minute)</p>
<p>7. You set your watch to chime every 15 minutes and your friend sets her watch to chime every 20 minutes. Both watches chime at 1:22 p.m. When is the next time that the watches will chime at the same time?</p>	<p>8. Ralph makes $2\frac{1}{2}$ batches of oatmeal cookies. Each batch makes 24 cookies. Ralph gives away $\frac{1}{4}$ of his cookies to his class at school and $\frac{2}{5}$ of his remaining cookies to his bus driver. How many cookies does Ralph have left?</p>	<p>9. Michelle owns jazz, rap and rock CD's. The ratio of jazz CD's to rap CD's is equal to the ratio of rap CD's to rock CD's. If Michelle owns 4 jazz CD's and 16 rock CD's, how many rap CD's does she own?</p>

Page 1

1. seven million
2. 48,000
3. 1507
4. 2044
5. 962
6. 113,460
7. $161\frac{11}{25}$
8. \$32
9. 1200 ft
10. 4252
11. 17856
12. $n = 1050$

Page 2

1. 15.38
2. $n = 72$
3. 36
4. $2\frac{7}{12}$
5. $3\frac{1}{2}$
6. $5\frac{3}{4}$
7. $3\frac{4}{7}$
8. 2.3; 23; 230
9. 25; 144; 64
10. 3706
11. 1316
12. 619

Page 3

1. 24
2. 68
3. 46.68
4. 4618
5. \$4.20
6. 5.369
7. 75.52
8. 34.75
9. 170.188
10. 37
11. $8\frac{1}{12}$
12. $5\frac{5}{8}$

Page 4

1. 4
2. $1\frac{25}{32}$
3. 105
4. 35.06
5. 37.96
6. 3.05
7. 3
8. $\frac{1}{15}$
9. 4
10. 15 books
11. 41 kg
12. 59.26

Page 5

1. 4.89
2. 6.6
3. $2^3 \times 3$
4. $1\frac{7}{18}$
5. $1\frac{2}{15}$
6. $10\frac{5}{8}$
7. 0.8
8. 25%
9. 36
10. $n = 22$
11. 10.57
12. 40.2

Page 6

1. $2^3 \times 7$
2. $\frac{5}{9}$
3. $\frac{10}{7}$
4. $\frac{4}{5}$
5. $n = 21$
6. $y = 9$
7. $n = 9$
8. \$41
9. 16; 42; 9
10. 80%; 25%
11. 59%; 70%; 41.8%; 730%
12. $\frac{7}{12}$

Page 7

1. $1\frac{13}{15}$
2. 60
3. 36
4. \$0.90 or 90 cents
5. \$0.37 or 37 cents
6. $>$; $>$; $<$
7. 27
8. 21
9. 9
10. 50
11. 7.463; 7.631; 7.64
12. 9

Page 8

1. b
2. c
3. c
4. $\frac{29}{8}$; $\frac{59}{10}$; $\frac{38}{9}$
5. $10\frac{2}{3}$; $6\frac{1}{4}$; $4\frac{2}{9}$
6. $<$; $>$
7. $n = 12$
8. $n = 18$
9. $n = 6$
10. -282
11. 11,239
12. $<$; $>$

Page 9

1. 90°
 2. 180°
 3. 0.05; 0.28; 0.045
 4. 10
 5. 47%; 0.3%; 190%
 6. $\frac{7}{20}$; $\frac{99}{100}$; $5\frac{2}{5}$
- Integer and coordinate plane section
1. -6
 2. -4
 3. 1
 4. 6
 5. -7
 6. -14
 7. -1
 8. 5
 9. F; E; I; C
 10. (1,2); (4,4); (8,7); (2,7)

Page 10

1. 19 students
2. \$17.50
3. 50 sections
4. \$6
5. $P = 64$ feet; $A = 192$ ft²
6. 6 sec
7. 2:22 pm
8. 27 cookies
9. 8 rap CD's