5th Grade Summer Mathematics Review #1

Name: _____

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1. Find the median.

$$5, 12, 18, 7, 24, 16$$

2. Compare using <, >, or =.

a) 0.432 _____ 0.4310

b) 0.199 _____ 0.2

---

3. Create a word problem for this open statement.

$$72 \div n = 12$$

4. Solve.

$$3 \overline{)4.185}$$

---

5. Shade in the parts to show 25%.

6. Find the area of the rectangle.

7 ft

4 ft   4 ft

7 ft

---

7. What time does the clock show?

a) _____

What time will it be 3 hours and 45 minutes from that time shown on the clock?

b) _____

8. Decide whether to use area or perimeter.

If Ana wants to frame a poster that is 13 in. high and 21 in. wide, how much framing material will she need?

She will need to find the _____.

Ana needs _____ of material.

---

9. Add.

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

Write the answer in lowest terms.

10. Write a word problem that requires division to solve and uses the numbers 32 and 8 in the problem. Be sure to give an answer.
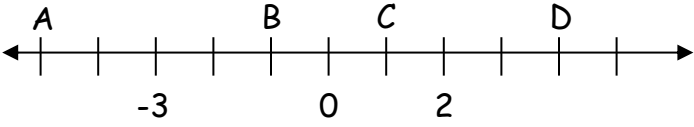

5th Grade Summer Mathematics Review #2

Name:

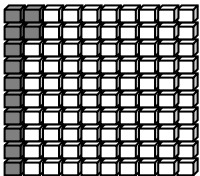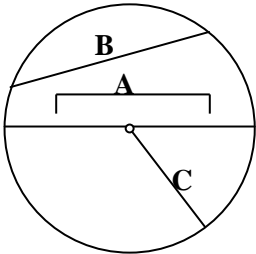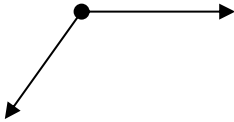|	
1. Name the **place** of the underlined digit. a. 3.42<u>6</u>8 _____ b. 79.5<u>4</u>13 _____ c. 7<u>0</u>4, 582 _____	2. Tammy has 3 older sisters. Veronica is the oldest. If the sum of the four girls' ages is 60, and if her sisters' ages are 18, 16, and 15, how old is Tammy?
3. Find the product. 3.09 × 2.3= _____	4. Ms. James collected 7,344 eggs from her hen house. How many dozen eggs did she gather?
5. **Annual Water Usage** Cities Industry **42%** Irrigation **50%** What percent of water is used in cities? _____ How do you know?	6. The angle at the corner of a square measures _____ degrees and is called a _____ angle.
7. Mr. Harris is planning a garden. He needs to buy enough bricks to go around his garden. Using the diagram, find the perimeter. 12 yds 21 yds	8. Find the mean and mode in this set of data. **Set** **Mean** **Mode** 1, 16, 12, 11, 12, 14
9. A B C D -3 0 2 Identify the value of the following points: A = B = C = D =	10. Is figure A congruent to figure B? Explain your answer. A B

5th Grade Summer Mathematics Review #3

Name:

1. Solve. Write your answer in lowest terms. $$4\frac{3}{8} \ + \ 2\frac{1}{8} =$$	2. List all of the factors of the following numbers. 10 7 20 Which of the number(s) are prime? Which of the number(s) are composite
3. How many lines of symmetry does an equilateral triangle have?	4. Coach Higgins jogged $1\frac{7}{8}$ miles on Monday, 3 $\frac{5}{6}$ miles on Tuesday, and $5\frac{1}{4}$ miles on Wednesday. How many miles did he jog altogether?
5. Thomas wants to make a frame for his picture. The drawing is 18 in. high and 24 in. wide. If he wants to make the frame from a single piece of wood, how long must the piece be?	6. Complete the pattern. 2, 9, 23, 51, ____, ____, ____ Describe the pattern:
7. Your school day begins at 8:50 a.m. and ends at 3:10 p.m. How long are you in school?	8. Solve. $42\overline{)3{,}281}$ Check your answer using estimation.
9. Use a compass and a ruler. Draw a circle with a radius of 7 cm. What is the diameter of the circle?	10. Draw a number line and place –7 and 5 on it.

5th Grade Summer Mathematics Review #4

Name:

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1. In the number 1.093:

a. Which digit is in the hundredths place? _____

b. In which place is the digit 0? _____

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2. List the factors of each. Identify each number as prime or composite.

13   54   72

---

3. If a square has a perimeter of 32 centimeters what would be the measurement of each side?

---

4. Solve.

$9.848 \div 8 =$

5.

What percent of the square is shaded? _____

What percent is not shaded? _____

---

6. Find the missing divisor.

$4,644 \div n = 36$

---

7. Identify the parts of the circle.

Match
chord   A
diameter   B
radius   C

8.

$2.8 \times 0.02 =$

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9. It is now 3:15 p.m. Is it possible to drive 135 miles and arrive before 5:00 p.m. if you drive 55 mph? Explain your answer.

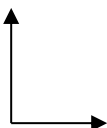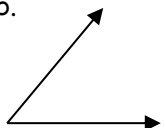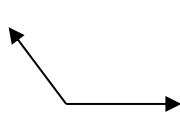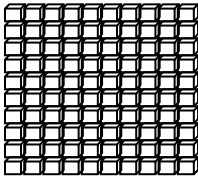**10.** Is the angle below a right, acute or obtuse angle? Explain your answer.

5th Grade Summer Mathematics Review #5

Name:

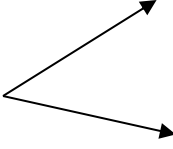|	
1. Choose >, <, or =. 23.932 _____ 23.93	2. Which unit of measurement would you use to estimate each of the following? Use metric or customary systems. a. your height b. your weight
3. Multiply. $\begin{array}{r} 0.43 \\ \times \quad 0.5 \\ \hline \end{array}$	4. Jim bought 5 pounds of hamburger. He put 2 ¾ pounds in the freezer and used the rest for supper. How much did he use for supper?
5. What is the perimeter of this rectangle? 1.25 yd 4.75 yd	6. Solve. $28\overline{)223}$
7. Draw a right angle. Label the <ABC.	8. Monday Tuesday Wednesday Thursday 86° 91° 85° 82° What was the mean, (average) temperature for the four days?
9. Continue this pattern. 4, 9, 16, 25, _____, _____, _____	10. Draw a thermometer and show −10° and 15°F.

5th Grade Summer Mathematics Review #6

Name:

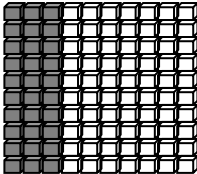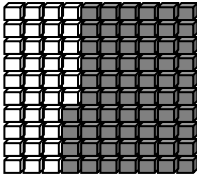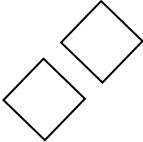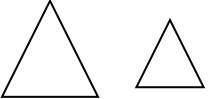|	
1. Solve. 106.27 - 38.154 =	2. $49 \overline{)\$2989}$
3. A bag contains 8 yellow marbles, 7 blue marbles, 3 red marbles, 1 green marble and 1 white marble. a) What is the probability of drawing a red marble? _____ b) What is the probability of drawing a blue marble? _____	4. Classify the angles as obtuse, acute, or right. a. b. c. _____ _____ _____
5. Shade the decimal square to show thirty-three hundredths. Write the shaded part as a percent.	6. 32 oz. of milk would be the same as _____ cups.
7. Write as a decimal. $102\dfrac{9}{10}$	8. If a room measures 25 feet by 16 feet, how many square feet of carpet are needed to cover the floor?
9. $9\dfrac{3}{4} - 7\dfrac{6}{8} =$	10. If Myles T. Go improves his time in the mile run by 5 seconds each week, predict what his time will be after seven weeks if his starting time in the first week was 6 min. 32 seconds.

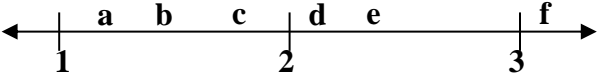# 5th Grade Summer Mathematics Review #7

Name:

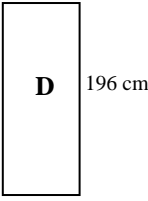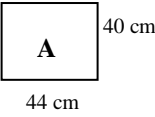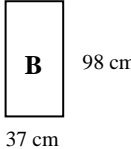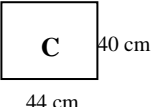|	
1. Draw an angle measuring 100°. Label the <ABC. What type of angle did you draw?	2. Find the perimeter of a rectangle with a length of 9 yards and a width of 5 yards. Draw a picture and label.
3. $285 \div 94 =$	4. Write an equation using n for the unknown and solve. Mrs. Davis is 3 times as old as her son Joseph. She is 45 years old. How old is Joseph?
5. $8\frac{1}{3}$ $+ \quad 5\frac{3}{4}$ _____	6. Identify the angle as right, acute or obtuse and explain your reasons
7. Write as a decimal. one hundred and seven thousandths _____	8. Suiki began cleaning her room at 11:45 a.m. She cleaned for 3¾ hours. What time did she stop?
9. Write the next three numbers in the sequence. Describe the pattern to someone in your house. 4, 5, 7, 10, ____, ____, ____	10. Find the mean (average) of these numbers: 152, 454, 202, 99

Name:

1. Joan baked 48 cupcakes. She divided them into 8 containers. Write an equation to show how to find how many cupcakes are in each container?	2. Solve. $0.236 \div 4 =$
3. Each student in the class read mystery books over the summer. Here are the names of five students and the number of books they read. Maria – 7 books Sara – 8 books Jose – 5 books Phil – 7 books David – 9 books On a separate piece of paper make a graph that clearly shows this information.	4. Solve. $8 - 3\dfrac{3}{4} =$
5. Mr. Suarez wanted to carpet his living room. Does he need to find the perimeter or area of the room? Explain your reasoning.	6. What decimal is shaded on each square ? _____ _____
7. One winter day the temperature was 16°F. The next day it was 20° colder. What was the temperature then?	8. Are the figures below similar, congruent, or neither? Explain. a. b. _____ _____
9. Write the letter that shows the approximate position of 1.8 on the number line. _____ a b c d e f 1 2 3	10. Identify the angle made by the hands of a clock at 4:45 as right, obtuse or acute.

5th Grade Summer Mathematics Review #9

Name:

1. Order from least to greatest. 5.9 5.89 5.809 5.8910 5.8	2. **Estimate** by rounding to the underlined place and multiply. $\underline{3}37$ x 5
3. The middle school purchased 1000 tickets for a rock concert. Each ticket cost $8.50. How much did the school pay for all of the tickets?	4. Every day, Jason spends 42 minutes reading. Write equation to show how much time he spends reading in a week?
5. For dessert, Aunt Terry baked molasses muffins. She put them in the oven at 1:30 p.m. and baked them for 15 min. If they must cool for 30 minutes, at what time will they be ready for eating?	6. To find the weight of the earth, use: a. tons b. yards c. gallons d. ounces
7. D 196 cm, 74 cm A 40 cm, 44 cm C 40 cm, 44 cm B 98 cm, 37 cm a. Which figures are similar, but not congruent?_____ b. Which figures are congruent? _____	8. $2\overline{)0.048}$
9. The numbers 1, 3, 6, and 10 are called triangular numbers. What are the next three triangular numbers? 1 3 6 10	10. Using this data, find the mean and the mode. 100 73 82 85 82 96 91 Mean _____ Mode _____

5th Grade Summer Mathematics Review #10

Name:

1. Choose >, <, or =. 48.02 _____ 48.13	2. The theater's curtains need 20.5 m of cloth. Jody cut 2 pieces of 4.8 m each for the sides. How much more is needed?
3. Complete the table below. Replace the letters with the correct measurements. 	length	15 ft.	12 in.	C	38 ft.
---	---	---	---	---
width	A	B.	18 yd..	4 ft.
area	225 ft.^{2}	132 in.^{2}	324 yd.^{2}	D		4. Round each factor to the nearest whole number and multiply. $$\begin{array}{r} 8.2 \\ \times \quad 3.4 \\ \hline \end{array}$$
5. A circle has a diameter of 18 inches. Its radius measures _____.	6. Solve for n. $$2\frac{3}{5} - 1\frac{8}{10} = n$$
7. What unit of measurement would you choose to measure the following? **inches ounces feet pounds tons** a) the height of a table _____ b) the weight of your dog _____ c) the weight of the space shuttle _____ d) the weight of a postcard _____	8. Carol ran 27 miles today. She ran 12.2 miles in the morning. Write an equation to show how many miles she ran in the afternoon.
9. How many lines of symmetry does a butterfly have? Explain.	10. If Shari got an 85%, 73%, 95%, 98%, 75%, and 100% on her assignments, what was her mean?

Fifth Grade Mathematics Summer Review

Review #1

1. 14
2. a. > b. <
3. See student work
4. 1.395
5.
6. 28 square feet
7. a. 3:55 b. 7:40
8. Perimeter, 68 in.
9. $\dfrac{6}{6} = 1$
10. answers will vary

Review #6

1. 68.116
2. $61
3. a. 3/20 b. 7/20
4. a. right b. acute
   c. obtuse
5. 0.33 = 33%
6. 4
7. 102.9
8. 400 sq. ft.
9. 2
10. 5 min. 57 sec.

Review #2

1. a. thousandths
   b. hundredths c. ten thousands
2. 11 years old
3. 7.107
4. 612 dozen
5. 8% because the total needs to be 100%
6. 90, right
7. 66 yards
8. mean – 11, mode - 12
9. A = -5 B = -1 C = 1 D = 4
10. no, not same size and shape

Review #7

1. See student work, obtuse
2. 28 yds.
3. 3r3 or 3 3/94 or 3.03
4. 3x = 45, x = 15
5. 14 1/12
6. acute, less than 90°
7. 100.007
8. 3:30 p.m
9. 14, 19, 25 (increase by 1 more each time)
10. 226.75

Review #3

1. $6\frac{1}{2}$
2. 10 – 1,2,5,10 composite
   7 – 1,7 prime
   20 – 1,2,4, 5, 10, 20 composite
3. 3
4. $10\frac{23}{24}$
5. 84 inches
6. 107,219,443 (doubles and increases by 5)
7. 6 hours and 20 minutes
8. 78 r5 or 78 5/42 or 78.12
9. 14 cm
10. check student work

Review #8

1. 48 ÷8 =6
2. 0.059
3. graphs will vary
   (a bar graph is appropriate)
4. $4\frac{1}{4}$
5. area, check reasoning
6. a. 0.3 or 0.30   b. 0.64
7. –4°F
8. a. congruent (same size and shape)
   b. similar (same shape)
9. c
10. obtuse

Review #4

1. a. 9 b. tenths
2. 13 – 1,13 prime
   54 – 1,2,3,6,9,18,27,54 composite (Note: A is also a chord)
   72 – 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72 composite
3. 8 cm
4. 1.231
5. 12%, 88%
6. 129
7. A – diameter, B – chord, C-radius
8. 0.056
9. No. Arriving before 5 would mean less than 2 hours of driving which is fewer than 110 miles
10. Obtuse, larger than 90°

Review #9

1. 5.8, 5.809, 5.89, 5.8910, 5.9
2. 1,500
3. $8,500
4. 42 x 7 = y
5. 2:15 p.m.
6. tons
7. a. d and b   b. a and c
8. 0.024
9. 15, 21, 28
10. mean = 87, mode = 82

Review #5

1. >
2. a. cm, ft or in
   b. kg or lbs.
3. 0.215
4. $2\frac{1}{4}$ pounds
5. 12 yards
6. 7 r27 or 7 27/28 or 7.96
7. See student work
8. 86°
9. 36, 49, 64
10. check student work

Review #10

1. <
2. 10.9 m
3. a. 15 ft. b. 11 in.
   c. 18 yd. d. 152 ft^2
4. 24
5. 9 in.
6. 4/5
7. a. in b. lbs. c. tons d. oz.
8. 27 – 12.2 = y
9. one, down the length of the body
10. 87.7% or 88%