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*Our mission is to create an inspiring, challenging, and supportive environment where students are encouraged and assisted in reaching their highest potential.*

# WMS Summer Math Packet 2016

## *For incoming 6th graders*

Dear Parent/Guardian:

This summer, students are given the opportunity to enhance and broaden their mathematical background by completing a summer math packet. The packets can be found on the Westerly Public School Web Page; www.westerly.k12.ri.us

For those who do not have computer access, the packets will be placed in the main office at Westerly Middle School and in the main office at 23 Highland Avenue.

The problems in this packet are designed to help students review topics from previous mathematics courses that are important to their success. Please try to have students attempt each problem and show the work that goes with that answer. Bring the packet with you to your math class in September.

Thank you,
The Westerly Middle School Math Department

Name:_____ Students entering Grade 6 WPS Summer Review 2015

1. Find the median.

5, 12, 18, 7, 24, 16

2. Compare using <, >, or =.

a) 0.432 _____ 0.4310

b) 0.199 _____ 0.2

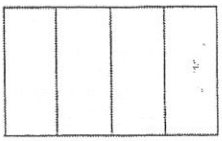
3. Create a word problem for this open statement.

$72 \div n = 12$

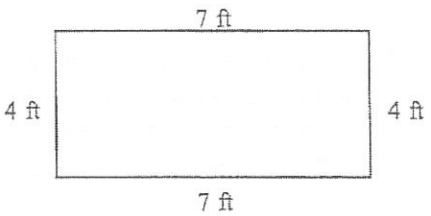
4. Solve.

$3\overline{)4.185}$

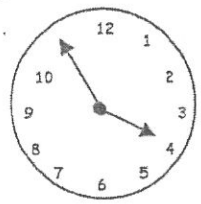
5. Shade in the parts to show 25%.



6. Find the area of the rectangle.




7.




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.

Name:_____ Students entering Grade 6 WPS Summer Review 2015

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

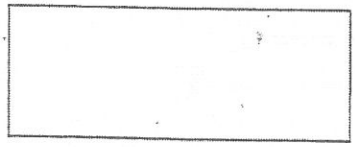
3. Multiply.

$$\begin{array}{r} 0.43 \\ \times \quad 0.5 \\ \hline \end{array}$$

4. Jim bought 5 pounds of hamburger. He put $2\frac{3}{4}$ 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?




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.

1. Solve.

$$106.27 - 38.154 =$$

2.

$$49\overline{)\$2989}$$

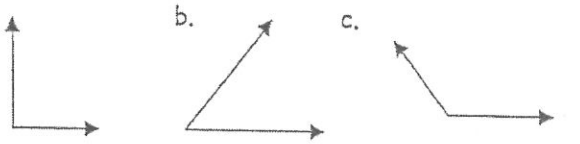
3. A bag contains 8 yellow marbles, 7 blue marbles, 3 red marbles, 1 green marble and 1 white marble.

a) What is the probability of drawing a red marble? _____

b) What is the probability of drawing a blue marble? _____

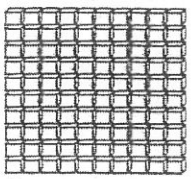
4. Classify the angles as obtuse, acute, or right.

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.

$$102\frac{9}{10}$$

8. If a room measures 25 feet by 16 feet, how many square feet of carpet are needed to cover the floor?

9.

$$9\frac{3}{4} - 7\frac{6}{8} =$$

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.

1. Draw an angle measuring $100^{\circ}$. Label the $\angle ABC$. 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.

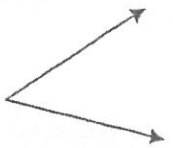
3. $285 \div 94 =$

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.
$$\begin{array}{r} 8\frac{1}{3} \\ +\ 5\frac{3}{4} \\ \hline \end{array}$$

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 $3\frac{3}{4}$ 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

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.

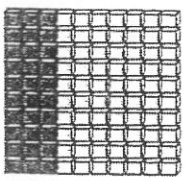
4. Solve.

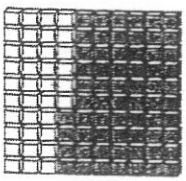
$8 - 3\frac{3}{4} =$

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?

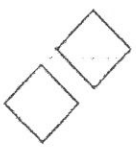


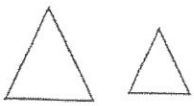


_____ _____

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.

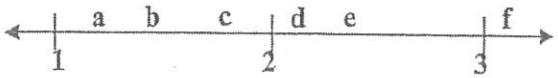
a. 

b. 

_____ _____

9. Write the letter that shows the approximate position of 1.8 on the number line.

_____




10. Identify the angle made by the hands of a clock at 4:45 as right, obtuse or acute.