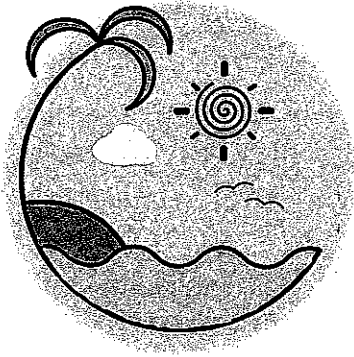




Summer Math Assignment For Incoming 7th Grade

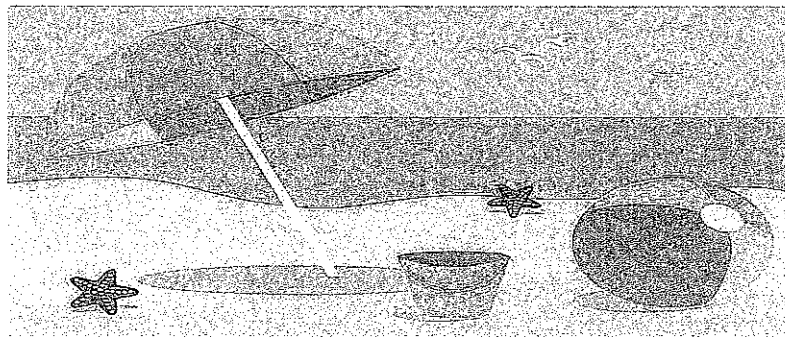
Complete the attached Math packet.

I suggest that you do 10 questions per day (Monday through Friday) so you pace yourself and maintain your math skills throughout the summer.

Bring in the completed Math packet with all your work on the first day of school. Your homeroom teacher will collect it. This assignment will be your first Math grade of the year.

I wish you a wonderful, fun-filled, and safe summer!
See you in September!

Ms. Rodrigues
Mrs. Ariyan



Summer Assignment

Date _____

Evaluate each expression.

1) $6 + (-9)$

2) $(-15) - 6$

3) $3 - (-9)$

4) $(-8) + (-2)$

5) $(-7) + (-14)$

6) $(-16) + (-3)$

7) $(-3) + 6$

8) $(-14) - 10$

9) $(-2) + (-12)$

10) $(-4) - 11$

11) $-240 \div -15$

12) $-5 \div 5$

13) $140 \div -10$

14) $80 \div 5$

15) $-24 \div -6$

16) $100 \div -5$

17) -4×-5

18) -6×-2

19) -7×4

20) -5×5

21) -6×-3

22) 8×-1

Evaluate each expression.

23) $5 + \frac{1}{6}$

24) $3\frac{1}{4} + \frac{3}{5}$

25) $\frac{3}{5} + \frac{6}{7}$

26) $2 - 1\frac{2}{3}$

27) $3\frac{1}{2} - \frac{7}{4}$

28) $2 + 4\frac{4}{5}$

29) $\frac{8}{9} \div \frac{3}{2}$

30) $5\frac{3}{7} \div 5\frac{1}{2}$

31) $\frac{-7}{4} \div -1\frac{2}{3}$

32) $\frac{1}{5} \div \frac{-1}{6}$

33) $2\frac{8}{9} \div -2\frac{1}{8}$

34) $5\frac{1}{7} \div 5\frac{5}{6}$

35) $-2\frac{1}{2} \times -\frac{1}{2}$

36) $-3\frac{2}{3} \times -3\frac{1}{2}$

37) $5\frac{3}{7} \times -\frac{1}{7}$

38) $-1\frac{1}{2} \times \frac{2}{9}$

39) $2\frac{1}{7} \times -\frac{2}{3}$

40) $5\frac{9}{10} \times -3\frac{1}{3}$

Evaluate each expression.

41) $-14 + 33 \div 3$

42) $(39 + 3) \div 3$

43) $10 - -9 - 7$

44) $15 \div -1 \times 2$

45) $18 \div (11 - 13)$

46) $-40 \div (-3 + 7)$

Evaluate each using the values given.

47) $-11 + y + x$; use $x = 12$, and $y = 10$

48) $-5xy$; use $x = 7$, and $y = 2$

49) $x + y - 11$; use $x = 15$, and $y = -9$

50) b^2a ; use $a = -3$, and $b = 7$

51) $y(y - x)$; use $x = -15$, and $y = -2$

52) $b - (-13 + a)$; use $a = -4$, and $b = 2$

Solve each equation.

53) $8 = x + 16$

54) $-120 = -15n$

55) $-1 = \frac{x}{17}$

56) $7 = \frac{x}{7}$

57) $44 = 4p$

58) $10 = \frac{x}{19}$

59) $r - 1 = 19$

60) $8 = \frac{m}{10}$

61) $30 = -3r$

62) $17 = 17x$

Simplify each expression.

63) $-8a + 10a$

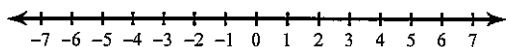
64) $-3x + 8x$

65) $7v - 2 + v - 7$

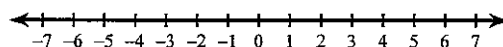
66) $p - 8 + 7p$

Draw a graph for each inequality.

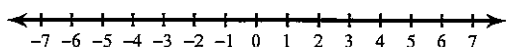
67) $v > 3$



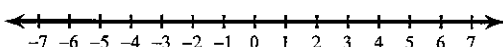
68) $n < -2$



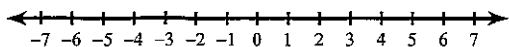
69) $v \geq -6$



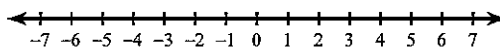
70) $x \geq 4$



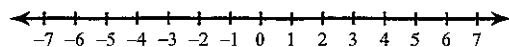
71) $n \geq -3$



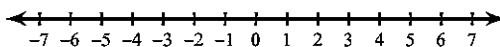
72) $x \leq 6$



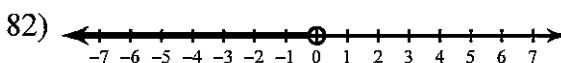
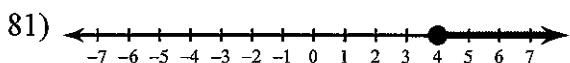
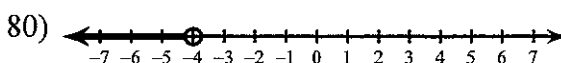
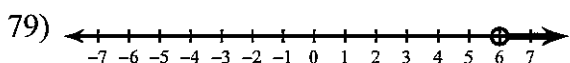
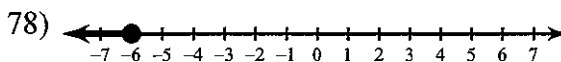
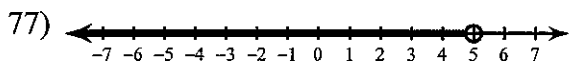
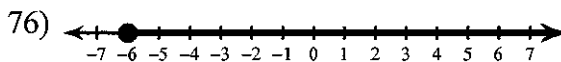
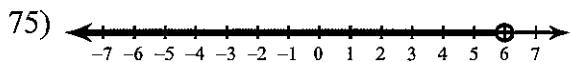
73) $x \leq -2$



74) $x \leq -3$

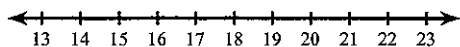


Write an inequality for each graph.

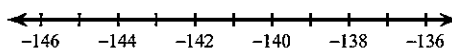


Solve each inequality and graph its solution.

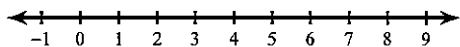
83) $204 > 12p$



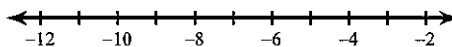
84) $\frac{x}{9} \geq -16$



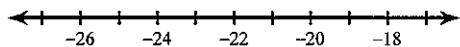
85) $b - 20 \leq -18$



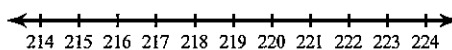
86) $-15x \leq 90$



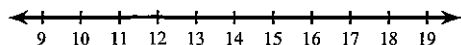
87) $14r \leq -280$



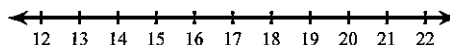
88) $\frac{r}{12} > 18$



89) $x - 5 \geq 6$



90) $x - 20 \leq -1$



Write each as a percent. Round to the nearest tenth of a percent.

91) 0.38

92) 0.007

93) 0.01

94) $\frac{3}{10}$

95) $\frac{29}{40}$

96) $\frac{2}{25}$

Write each as a decimal. Round to the thousandths place.

97) $\frac{11}{23}$

98) $\frac{1}{190}$

99) $\frac{1}{2}$

100) $\frac{13}{25}$

Write each as a fraction.

101) 860.6%

102) 50%

103) 1%

104) 780%

Write each as a decimal. Round to the thousandths place.

105) 0.6%

106) 50%

107) 254%

108) 87%

Solve each problem.

109) 85.4 is what percent of 150.7?

110) What percent of 132 is 95.1?

111) 27 is what percent of 88?

112) 61% of 83 is what?

113) 58% of what is 75?

114) 34 is what percent of 39?

Find the selling price of each item.

115) Original price of a kitten: \$94.50
Discount: 10%

116) Cost of a microscope: \$139.99
Markup: 85%

117) Cost of a kitten: \$69.50
Markup: 50%
Tax: 2%

118) Original price of socks: \$29.95
Discount: 33%
Tax: 6%

Use simple interest to find the ending balance.

119) \$26,000 at 5% for 5 years

120) \$40,900 at 2% for 4 years

121) \$56,000 at 4% for 6 years

122) \$175 at 4% for 5 years

123) \$15,500 at 6% for 3 years

124) \$40,800 at 2% for 2 years

Find the mode, median, mean, and range for each data set. Round to the nearest tenth if necessary.

125) Shoe Size
4 6 6.5 7 8 8 8
8.5 10.5

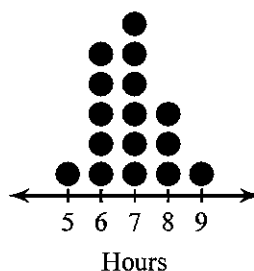
126) 2012 Summer Olympics

Country	Medals	Country	Medals
Tunisia	3	Czech Republic	10
Argentina	4	Kenya	11
Serbia	4	Canada	18
Ireland	5	South Korea	28
Denmark	9	Germany	44

127) Goals in a Hockey Game

Goals	Frequency
3	3
5	6
6	1
7	6
8	1

128) Hours Slept



Find the GCF of each.

129) 30, 10

131) 36, 27

133) 48, 24

135) 20, 50, 40

130) 20, 10

132) 25, 50

134) 28, 42

136) 48, 24, 32

Find the LCM of each.

137) 20, 30

139) 36, 48

141) 22, 33

143) 18, 36, 54

138) 24, 36

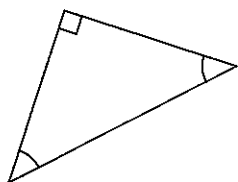
140) 56, 49

142) 18, 46

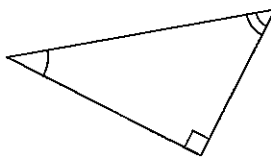
144) 12, 56, 18

Classify each triangle by its angles and sides.

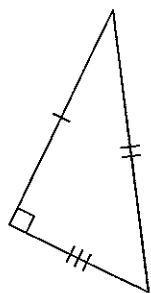
145)



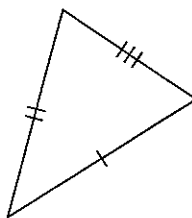
146)



147)

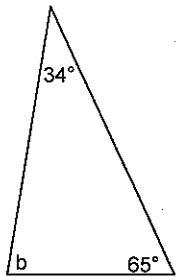


148)

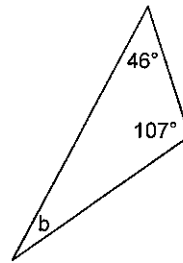


Find the measure of angle b.

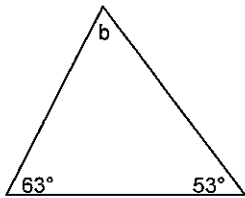
149)



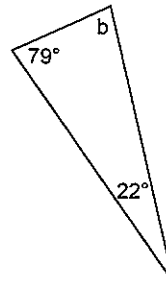
150)



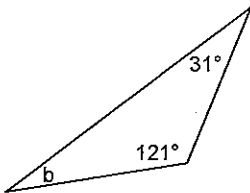
151)



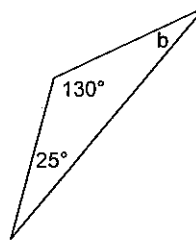
152)



153)

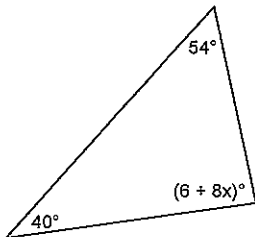


154)

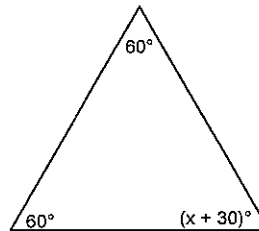


Find the value of x.

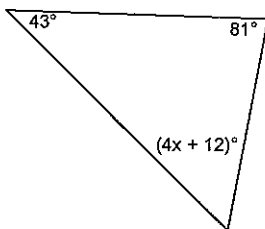
155)



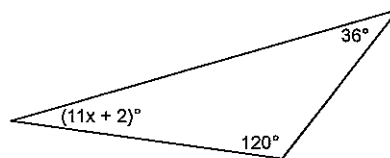
156)



157)

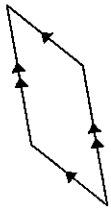


158)

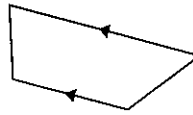


Classify each quadrilateral with the name that best describes it.

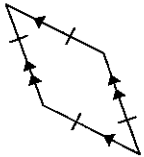
159)



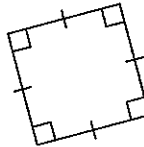
160)



161)

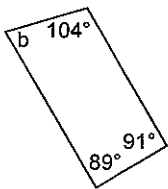


162)

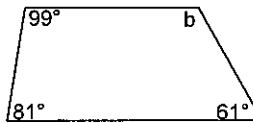


Find the measure of angle b.

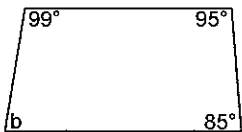
163)



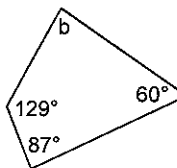
164)



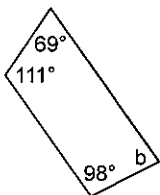
165)



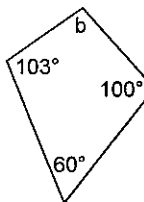
166)



167)

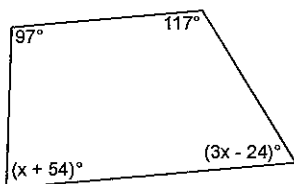


168)

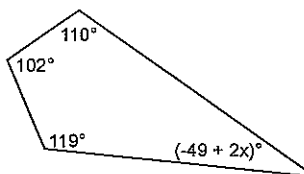


Find the value of x.

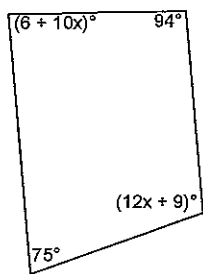
169)



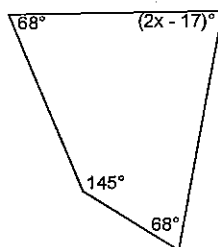
170)



171)

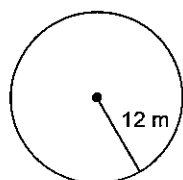


172)

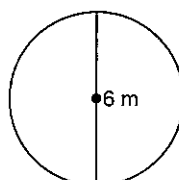


Find the area of each. Round your answer to the nearest tenth.

173)

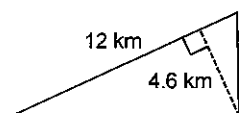


174)

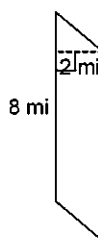


Find the area of each.

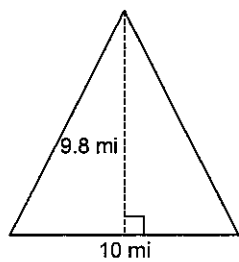
175)



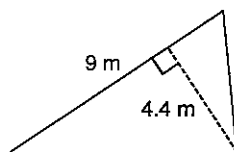
176)



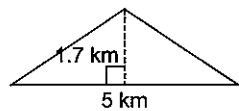
177)



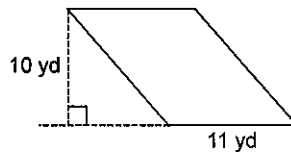
178)



179)

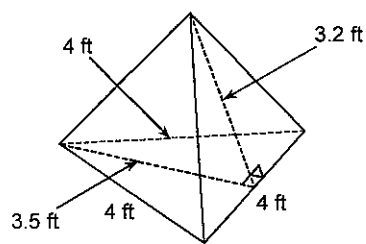


180)

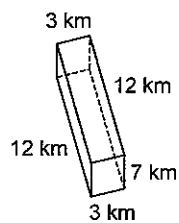


Find the surface area of each figure. Round to the nearest tenth.

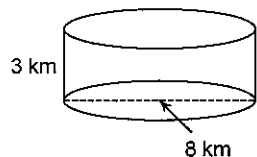
181)



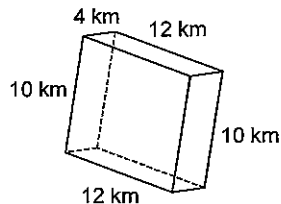
182)



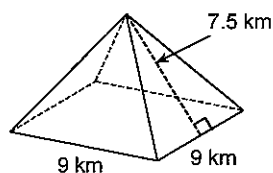
183)



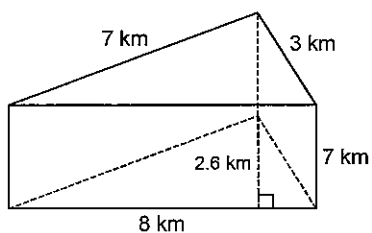
184)



185)

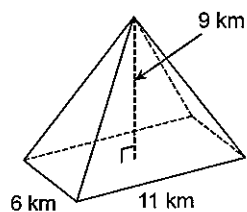


186)

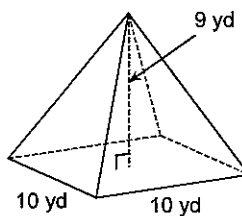


Find the volume of each figure. Round to the nearest tenth.

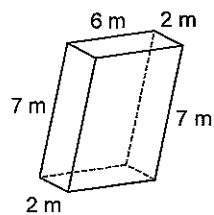
187)



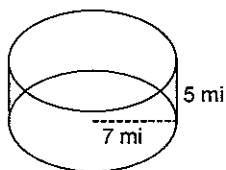
188)



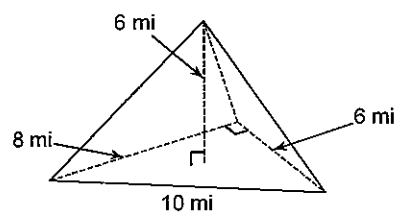
189)



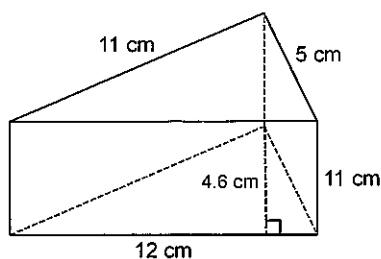
190)



191)



192)



Write the name of each decimal place indicated.

193) 4.4~~7~~3

194) 1,88~~2~~,601

195) 5.9~~4~~6

196) ~~5~~,422,553,992

197) 1,175,231,18~~2~~

198) 8.9479~~7~~1

199) 98~~5~~,755

200) 83.5~~8~~148

201) 21.13719~~6~~4

202) ~~2~~6,794,301

Round each to the place indicated.

203) 89,3~~3~~4.5

204) 5,13~~9~~,078

205) 18~~4~~,536

206) ~~7~~06,903,205

207) 5,63~~6~~.63

208) 7.0~~4~~232

209) 6~~9~~.17

210) 4~~3~~.126

Find each product.

211) 20×24

212) 39×21

213) 46×21

214) 17×46

215) 44×21

216) 25×28

Find each quotient.

217) $462 \div 11$

218) $792 \div 18$

219) $1050 \div 21$

220) $688 \div 43$

221) $294 \div 6$

222) $1650 \div 33$

223) $408 \div 17$

224) $2254 \div 46$