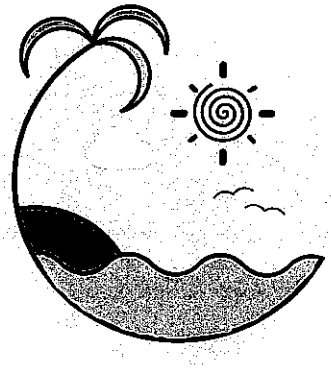


Summer Math Assignment For Incoming 6th Grade

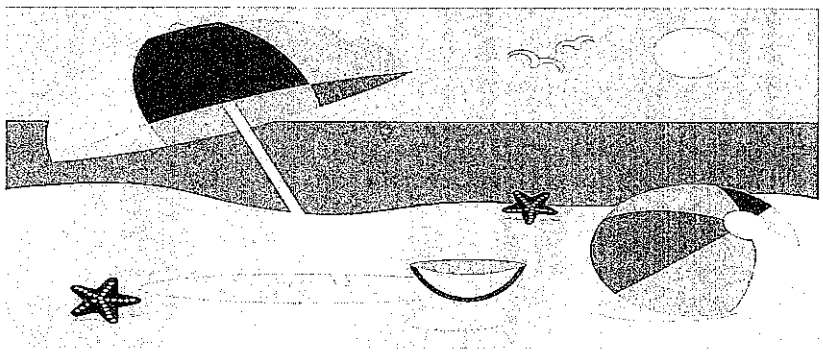
Complete the attached Math packet.

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. It will be collected by your homeroom teacher. 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



Incoming 6th grade Name_____

Summer Assignment

Date_____

Write the name of each decimal place indicated.

1) 422,488.42
2) 84.530
3) 98,161
4) 2,383,849
5) 967,305
6) 7.3630
7) 6.1771
8) 34.20757
9) 910,765.2
10) 9.4554
11) 99
12) 0.4844
13) 96.213
14) 9.20944

Round each to the place indicated.

15) 3.26027
16) 29,565,863
17) 19.316
18) 156.643
19) 886.97
20) 8.861971
21) 378,668
22) 0.509
23) 48,281,830
24) 46,590
25) 9.611412
26) 8.187027
27) 7,896
28) 9.6099

Find each product.

29) 8×22
30) 40×32
31) 43×35
32) 11×24
33) 31×2
34) 45×42
35) 44×48
36) 28×47
37) 50×45
38) 19×48
39) 12.7×8.95
40) 10.1×2.88
41) 1.6×10.8
42) 3.7×13.4
43) 0.1×0.1
44) 9.5×2.1
45) 7.5×5.6
46) 12.7×10.8

Find each quotient.

47) $585 \div 39$
48) $340 \div 17$
49) $285 \div 19$
50) $2150 \div 43$
51) $352 \div 44$
52) $204 \div 34$
53) $1250 \div 25$
54) $527 \div 17$

55) $936 \div 39$

56) $1763 \div 41$

57) $10.6 \div 4$

58) $10.8 \div 2.7$

59) $13.3 \div 0.5$

60) $13.9 \div 0.1$

61) $5.7 \div 2.5$

62) $12.9 \div 4.3$

63) $6.6 \div 7.5$

64) $0.6 \div 10$

65) $8.28 \div 7.2$

66) $3.5 \div 0.5$

Evaluate each expression.

67) $1\frac{2}{7} + 4\frac{2}{3}$

68) $4 + \frac{1}{6}$

69) $\frac{1}{3} + 4\frac{1}{8}$

70) $1 - \frac{1}{5}$

71) $\frac{1}{2} + \frac{1}{2}$

72) $3\frac{3}{4} - 2\frac{3}{4}$

73) $\frac{11}{6} - \frac{3}{2}$

74) $5 - \frac{12}{7}$

75) $\frac{1}{2} + 1\frac{1}{6}$

76) $2\frac{1}{2} - \frac{1}{6}$

Find each product.

77) $\frac{1}{2} \times \frac{1}{6}$

78) $1\frac{1}{2} \times \frac{11}{9}$

79) $4\frac{1}{5} \times \frac{3}{2}$

80) $2\frac{3}{10} \times 3\frac{1}{6}$

81) $1\frac{1}{8} \times \frac{2}{5}$

82) $4\frac{1}{3} \times \frac{4}{3}$

83) $4\frac{7}{10} \times \frac{1}{7}$

84) $\frac{7}{4} \times \frac{1}{5}$

85) $7 \times \frac{3}{2}$

86) $5\frac{1}{10} \times \frac{4}{7}$

Find each quotient.

87) $2\frac{1}{4} \div 6$

88) $1\frac{1}{8} \div \frac{4}{3}$

89) $\frac{1}{5} \div 1\frac{1}{2}$

90) $8 \div \frac{1}{9}$

91) $4\frac{1}{5} \div 4\frac{1}{6}$

92) $\frac{1}{9} \div 5$

93) $\frac{5}{3} \div 2$

94) $5\frac{7}{8} \div \frac{9}{8}$

95) $\frac{3}{4} \div \frac{4}{3}$

96) $3\frac{1}{3} \div \frac{3}{2}$

Evaluate each expression.

97) $12.5 + 3.5$

98) $10.9 + 1.75$

99) $12.4 - 9.59$

100) $0.6 + 5.4$

101) $5 + 5.5$

102) $11.3 + 14.9$

103) $9.3 + 15.7$

104) $11 + 9.9$

105) $8 - 2.8$

106) $11.2 + 9.8$

107) $6 + 16 - 10$

108) $16 + 18 - 14$

109) $17 - (20 - 11)$

110) $17^2 - 18$

111) $24 - 13 + 7$

112) $22(27 - 18)$

113) $11 \times 22 + 11$

114) $22 \div 2 \times 21$

115) $3 + 4 + 8$

116) $28 - (14 - 5)$

Each number is divisible by which of the following: 2, 3, 5, 6, 9, 10?

117) 148

118) 75

119) 93

120) 106

121) 127

122) 121

Find the GCF of each.

123) 33, 44

124) 30, 40

125) 27, 18

126) 16, 40

127) 36, 18

128) 50, 40

129) 20, 30

130) 45, 18

131) 16, 32, 28

132) 36, 48, 24

133) 20, 40, 50

134) 10, 20, 15

Find the LCM of each.

135) 27, 18

136) 36, 33

137) 40, 24

138) 36, 30

139) 24, 36

140) 40, 16

141) 4, 22

142) 39, 6

143) 30, 40, 20

144) 35, 25, 30

145) 18, 27, 36

146) 36, 24, 30

Find the mode, median, mean, and range for each data set.

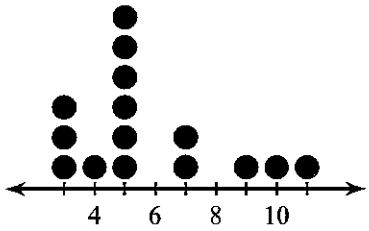
147) Test Scores

55	55	54	50	47	51	46
39	48	51	51	43	57	55
39	47					

148) Academy Awards Won by Movie

# Awards	Frequency
1	1
2	1
3	2
4	4
6	1
7	3
8	2
9	1

149) Goals in a Hockey Game

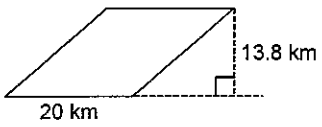


150) Shoe Size

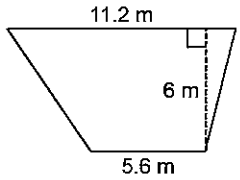
9	7.5	8	8.5	9	7	10
9.5	6	8.5	7.5	9	7	6.5
8						

Find the area of each.

151)



152)



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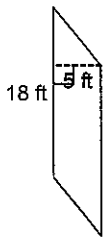

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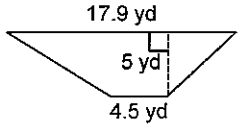

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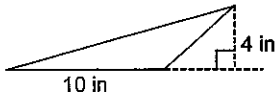

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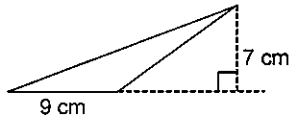

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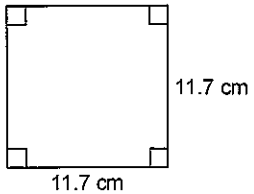

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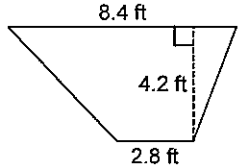
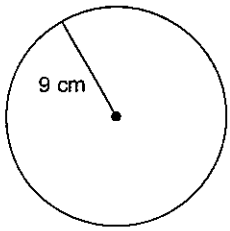
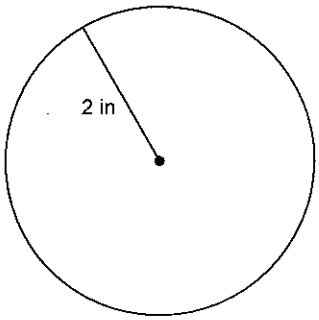


Find the area of each. Round your answer to the nearest tenth.

159)



160)



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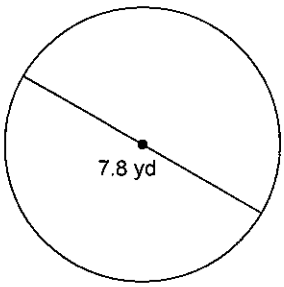

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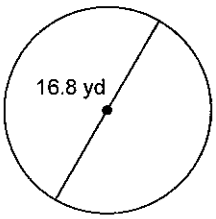
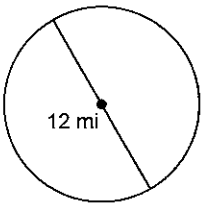


Find the circumference of each circle. Round your answer to the nearest tenth.

163)



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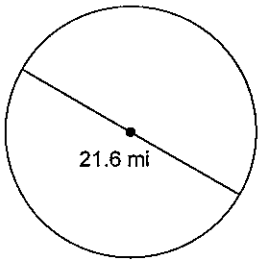

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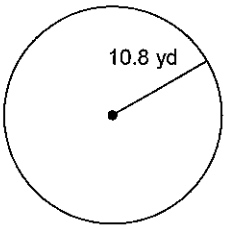

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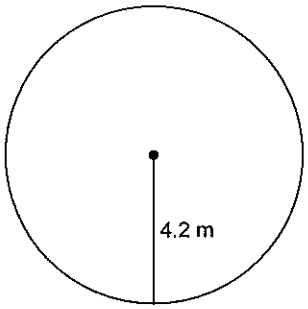
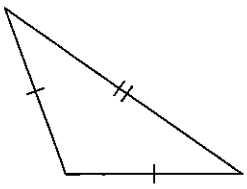


Classify each triangle by its angles and sides.

167)



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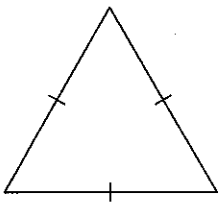

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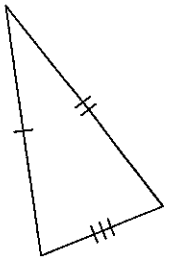

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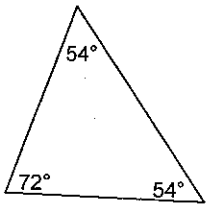

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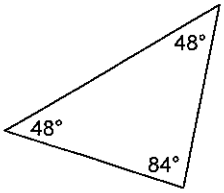

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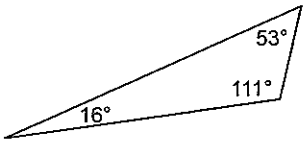
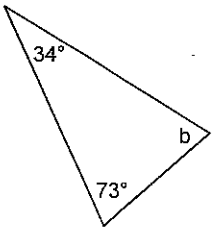


Find the measure of angle b.

173)



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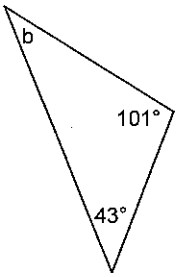

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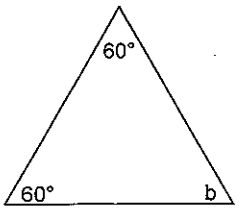
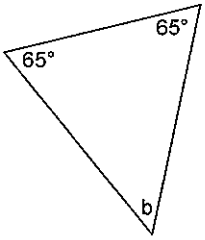


176)



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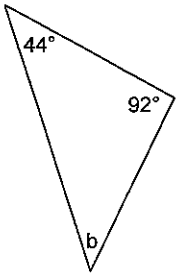
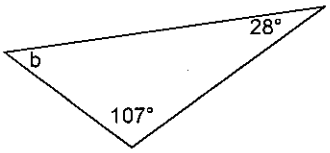
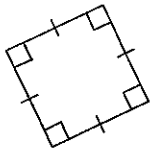


178)

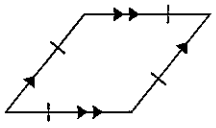


Classify each quadrilateral with the name that best describes it.

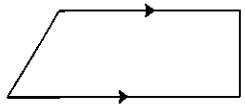
179)



180)



181)



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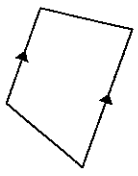
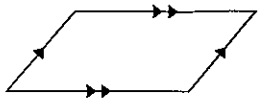
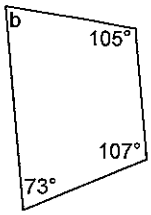
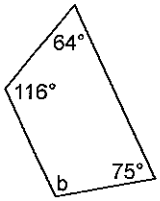


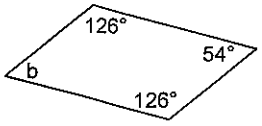
183) 

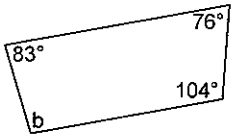
184) 

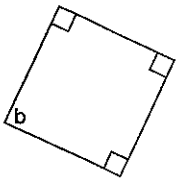
Find the measure of angle b.

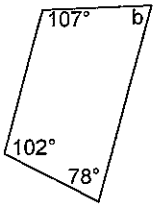
185) 

186) 

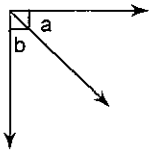
187) 

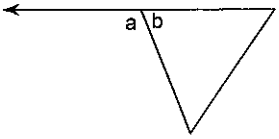
188) 

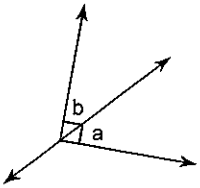
189) 

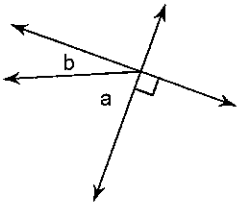
190) 

Name the relationship: complementary, or supplementary.

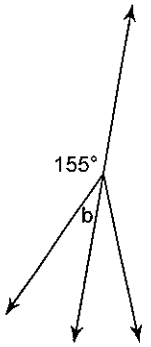
191) 

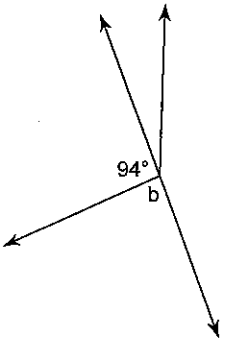
192) 

193) 

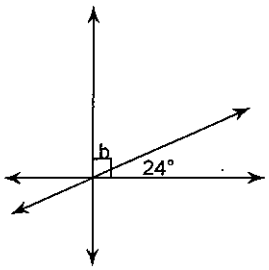
194) 

Find the measure of angle b.

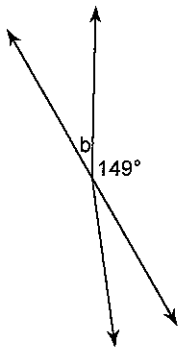
195) 

196) 

197)

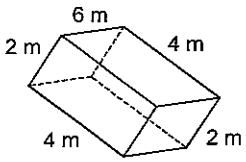


198)

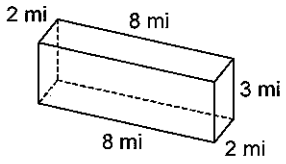


Find the volume of each figure. Round to the nearest tenth.

199)



200)



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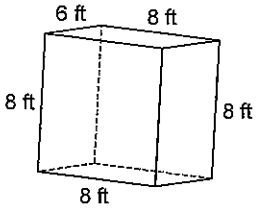
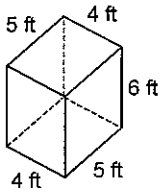
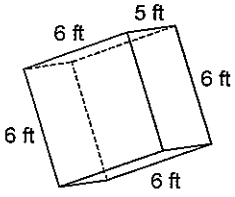


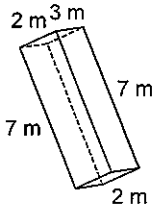
202)



203)



204)



Solve each proportion.

205) $\frac{7}{3}=\frac{x}{10}$

206) $\frac{5}{x}=\frac{4}{6}$

207) $\frac{2}{7}=\frac{10}{n}$

208) $\frac{7}{3}=\frac{3}{k}$

209) $\frac{7}{x}=\frac{5}{10}$

210) $\frac{8}{2}=\frac{6}{v}$

211) $\frac{8}{6}=\frac{6}{m}$

212) $\frac{8}{x}=\frac{3}{7}$

213) $\frac{6}{x}=\frac{5}{9}$

214) $\frac{6}{10}=\frac{5}{n}$

215) Pranav wants to buy shorts that cost \$45.72. How much change does he receive if he gives the cashier \$50?

216) If the weight of a package is multiplied by $\frac{5}{6}$ the result is 40 pounds. Find the weight of the package.

217) After paying \$5.68 for a pizza, Carlos has \$17.55. With how much money did he start?

218) A mean ogre stole 20 of your muffins. That was $\frac{5}{9}$ of all of them! With how many did you start?

219) Amy and eight of her friends went out to eat. They decided to split the bill evenly. Each person paid \$15.89. What was the total bill?

220) Ten workers are hired to harvest potatoes from a field. Each is given a plot which is 9×7 feet in size. What is the total area of the field?

221) Mike and his best friend found some money in an envelope. They split the money evenly, each getting \$22. How much money did they find?

222) A stray dog ate 14 of your muffins. That was $\frac{2}{3}$ of all of them! With how many did you start?

223) How old is Rob if he was 28 years old seventeen years ago?

224) If the weight of a package is multiplied by $\frac{3}{4}$ the result is 24 pounds. Find the weight of the package.

Solve each equation.

225) $\frac{k}{10} = 12$

226) $\frac{p}{18} = 14$

227) $\frac{x}{18} = 6$

228) $12k = 240$

229) $n - 2 = 0$

230) $6 + x = 25$

231) $\frac{k}{16} = \frac{3}{4}$

232) $b + 13 = 21$

233) $\frac{n}{3} = 4$

234) $\frac{m}{18} = 9$

235) $p + 6 = 26$

236) $p + 16 = 21$

Evaluate each using the values given.

237) $5 - (y - x)$; use $x = 2$, and $y = 3$

238) $y - (z - z)$; use $y = 5$, and $z = 3$

239) $zy - 3$; use $y = 3$, and $z = 5$

240) $mp + 1$; use $m = 2$, and $p = 4$

241) $a - (b - b)$; use $a = 2$, and $b = 4$

242) $p(3 + m)$; use $m = 6$, and $p = 6$

243) $n(m + m)$; use $m = 1$, and $n = 2$

244) $p - (q - q)$; use $p = 1$, and $q = 5$

245) $4x + y$; use $x = 3$, and $y = 1$

246) $h(2 + j)$; use $h = 5$, and $j = 2$