Warm-Up 7

91. $\$$ _____ Vacations-R-Us charges \$130 a day plus a one-time, nonrefundable \$50 cleaning fee to rent a house at the beach. How much will it cost the Sanchez family to rent the house for 7 days?

92. _____ units A circle has a circumference with the same numerical value as its area. What is its radius?

93. _____ cm If the length of an insect is 4 cm, what is the length of the insect viewed under a magnifying glass that magnifies an object to three times its original size?

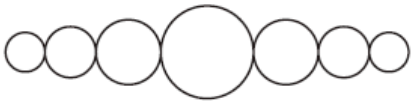
94. _____ A box contains only red, blue and green tokens. If the probability of randomly choosing a red token is $\frac{1}{5}$ and the probability of randomly choosing a blue token is $\frac{1}{3}$, what is the probability of randomly choosing a green token? Express your answer as a common fraction.

95. _____ integers How many three-digit positive integers are square numbers?

96. $\$$ _____ The table shows the total dollar amounts of purchases by 21 randomly selected customers at a department store. What is the median of the dollar amounts?

\$10	\$18	\$10	\$22	\$14	\$41	\$31
\$43	\$8	\$6	\$27	\$18	\$27	\$32
\$5	\$53	\$30	\$25	\$30	\$22	\$42

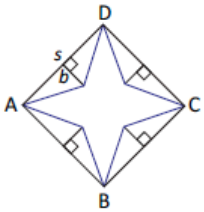
97. _____ cm A necklace is made of beads with centers that are collinear, as shown. The beads have diameters of integer lengths a, b, c and d cm such that $a:b:c:d = 1:2:3:4$. What is the smallest possible total length of the seven beads on the necklace?



98. _____ The number 6D45, where D represents a digit, is divisible by 3. What is the sum of all possible values of D?

99. _____ For what value of m does $\frac{1}{m} + \frac{1}{2m} = 6$? Express your answer as a common fraction.

100. _____ units^2



Square ABCD, shown here, has sides of length s units. A star is formed, creating four congruent isosceles triangles, each with a height of b units. What is the area of the star in terms of s and b?