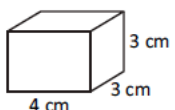




Workout 3

81. _____ students The president of the student body estimated that 2 out of every 3 students at Creighton Middle School would attend the Spring Festival. If there are 1140 students at this school, according to the estimate, how many students will *not* attend the Spring Festival?
82. _____ shots Vinnie made 60% of the shots he attempted in Friday's basketball game. If he made 18 shots in the game, how many shots did he attempt?

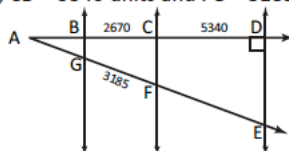
83. _____ cubes  How many $0.5 \text{ cm} \times 0.5 \text{ cm} \times 0.5 \text{ cm}$ cubes are needed to completely fill this rectangular prism measuring $4 \text{ cm} \times 3 \text{ cm} \times 3 \text{ cm}$?

84. \$ _____ Allison spent a total of \$16.20 for lunch at Burrito De-lite, including tax and a tip. She paid 8% sales tax on her purchase and then left the waiter a tip equivalent to 20% of her total bill including tax. What was the cost of Allison's meal, before tax and the tip?

85. _____ g The table below shows the weight of various coins, according to U.S. Mint specifications. Jarnail has coins worth a total of 42¢ in his pocket. What is the least number of grams the coins in Jarnail's pocket could weigh? Express your answer as a decimal to the nearest thousandth.

Denomination	Penny	Nickel	Dime	Quarter
Weight	2.500 g	5.000 g	2.268 g	5.670 g

86. _____ cm^2 A rectangle has a perimeter of 62 cm. If the length and width are each increased by 2 cm, by how many square centimeters does the area increase?
87. _____ units Lines BG, CF and DE are all parallel and coplanar. These three lines intersect rays AD and AE, as shown. Suppose $BC = 2670$ units, $CD = 5340$ units and $FG = 3185$ units. What is the length of segment EF?



88. _____ messages A group of 9 friends received a combined total of 233 text messages in two hours. One person received 25 messages. How many text messages did each of the other 8 friends receive if they each received the same number of messages as each other?
89. _____ units^2 The coordinates of $\triangle ABC$ are $A(1, 2)$, $B(1, 10)$ and $C(16, 2)$. What is the area of $\triangle ABC$?

90. _____ units What is the length of segment AD if trapezoids ABCD and WXYZ are similar?

