	Warm-Up 8
101	The greatest common factor of 42 and 24 is m . What is the least common multiple of m and 15?
102. degrees	Circle P has diameter CD. Point B is on the circle such that $m \angle BPC = 30$ degrees. Point A is on the circle such that AD is parallel to PB. What is the degree measure of arc ABC?
103. units	Points A, B, C, D and E are collinear. If $AB = 6$, B is the midpoint of line segment AD, D is three-fourths the way from A to E and C is one-fifth the way from B to E, what is CE?
104	What integer is closest to the value of $\frac{999}{200} + \frac{898}{301} + \frac{797}{402} + \frac{696}{503}$?
105	What is the value of $\frac{1000^2}{252^2 - 248^2}$?
106. <u>units²</u>	The figure shows a rectangle inscribed in a circle. If the rectangle has integer sides and integer diagonal lengths, what is the smallest possible area of the rectangle?
107. pennies	On March 1st, Kenny and Linny had jars containing the same number of pennies. One month later, Kenny has two more than three times Kenny's original number of pennies, while Linny has seven fewer than four times Linny's original number. If Linny has eight more pennies than Kenny, how many pennies did they each start with on March 1st?
108. minutes	A train departs D.C. at 8:15 a.m. EST and arrives in New York City at 12:05 p.m. EST on the same day. How many minutes was the train ride?
109	If $(x^2y^3)^4(x^4y^5)^6 = x^ay^b$ for all real numbers x and y, what is the sum of a and b?
110	What is the value of 11,111,111 – 2,222,222 + 333,333 – 44,444 + 5555 – 666 + 77 – 8?