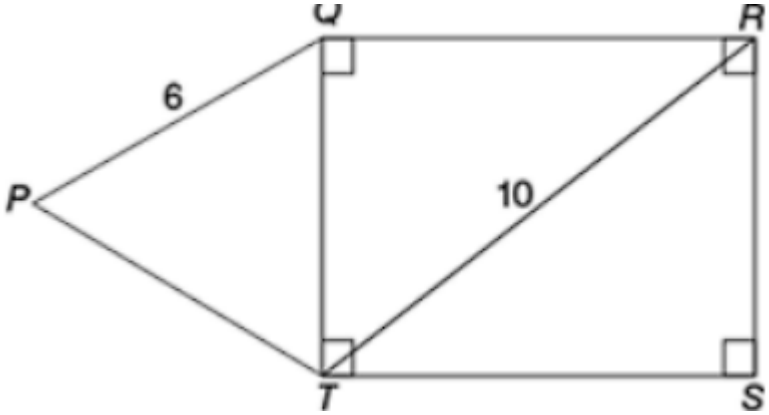
# GMAT Quant Practice Test

1. For nonnegative integers x and y, what is the remainder when x is divided by y?
(1) x/y = 13.8
(2) The numbers x and y have a combined total of less than 5 digits

2. What is the tens digit of two-digit positive integer w?
(1) The tens digit of 2w is equal to the tens digit of w.
(2) The sum of the digits of w+5 is 5.

3. Is X a prime integer?
(1) x! is not divisible by 5
(2) |x|! is divisible by 6

4.




In the figure above, what is the area of region PQRST ? (1) PQ = RS (2) PT = QT

5. Machine M, working alone at its constant rate, produces x widgets every 4 minutes. Machine N,
working alone at its constant rate, produces y widgets every 5 minutes. If machines M and N working
simultaneously at their respective constant rates for 20 minutes, does machine M produce more widgets than machine N in that time ?
(1) x > 0.8y
(2) y = x + 1

6. Paint X costs $15 per gallon, and Paint Y costs $20 per gallon. If 10 gallons of Mixture M consists of r gallons of Paint X and s gallons of Paint Y, is the total cost of Paint X in Mixture M greater than the total cost of Paint Y in Mixture M?
(1) s gallons of Paint X costs more than r gallons of Paint Y.
(2) In Mixture M, the total cost of Paint X is more than 2/5 of the total cost of Paint Y.

7. Of a physician's clients, 120 have health insurance or prescription drug coverage or both. If 40 of the

clients do not have description drug coverage, how many of the clients have both health insurance
and prescription drug coverage?
(1) A total of 92 of the clients have health insurance.
(2) Of the 120 clients, 28 do not have health insurance

7. How many unique quadrilaterals can be inscribed in the vertices of a nonagon (a 9-sided figure), if
points A and B, two vertices in the nonagon, cannot make up the same quadrilateral?
(A) 126
(B) 105
(C) 96
(D) 65
(E) 21

8. There are 101 students in a school. The students are split into 3 teams. Team A contains 70 students,
team B contains 75 students and team C contains 80 students. What is maximum number of students
who can be present in all three teams?
A. 70
B. 65
C. 63
D. 62
E. 61