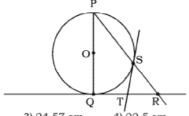


If you are a serious CAT 2008 student, then you cannot escape the charm of TG.com. If you are a serious CAT trainer teaching at any coaching institute, then also you cannot avoid peeking at TG for good questions to cover in your classes. Whatever may be the case, you would be spreading education around you in your own way. The best thing about education in India is that it is touches everyone. And once education touches someone's soul it permeates through his entire life and touches everyone around him in some way or the other. No matter which part of the world you are, we hope that TG.com helps you become a better person. In this regard, we continue with our Quant Challenge Series, prepared by Mr. Pradeep Pandey, an experienced CAT trainer in the industry. The pains that Mr. Pandey takes to create his questions can be easily gauged from their quality. While you gear up to attack the CAT paper in November, solving these questions will help you boost your confidence. Share these problems with your fellow CAT aspirants over a cup of coffee and enjoy some good problem-solving sessions. \*\* Total Gadha\*\*

	fellow CA	T aspirants over a ci	up ot cottee and enj	oy some good problem-sol	ving sessions <i>Total Gadh</i> a	
1.		+2y <sup>4</sup> where x ar be the remainder		ntegers. If Z is divided	by 10 then which of the	
	1) O	2) 2	3) 5	4) 6	5) 7	
2.	them all by the	time it reaches th	e top floor, numbe		perator) and discharges could the operator have im? 5) None of these	
3.	Find the area of	of the biggest poss 2) 54 cm <sup>2</sup>	sible triangle who 3) 66 cm <sup>2</sup>	se base is 10 cm and pe 4) 45 cm <sup>2</sup>	erimeter 36 cm. 5) 60 cm <sup>2</sup>	
4.	of the circle. A	cube is formed dir	ectly above the ce		irectly above the centre ube has four vertices in each side of the cube? 5) 2.22 cm	
5.				of the digits (a, b, c, d, erent possibilities are the 4) 1692	.) are different from one here for abcdefghij? 5) Can't say	
6.	In the above pr 1) 2	roblem, find the re 2) 3	emainder if the gre 3) 4	eatest possible abcdefgl 4) 7	nij is divided by 8? 5) Can't say	
7.	shopkeeper had given a discount of Rs 400, he would have incurred a loss of 20%. Find the market price (in Rs) of the book.					
	1) 750	2) 600	3) 820	4) 900	5) 540	
8.		_		ere such that a and b l	nave no common factor	
	greater than 1 and $\frac{a}{b} + \frac{14b}{9a}$ is an integer?					
	1) 1	2) 2	3) 3	4) 4	5) More than 4	
9.				area of 24 m². A second uare metres of the inne 4) 12	cube is then inscribed r cube? 5) None of these	
10.	10. Let a, b, c, d and e be distinct integers such that $(6 - a)(6 - b)(6 - c)(6 - d)(6 - e) = 45$ . What is $a + b + c + d + e$ ?					
	1) 25	2) 28	3) 27	4) 16	5) None of these	
11	1. The moving objects A and B are moving towards each other from two distant point A and B respectively towards each other. After meeting at some intermediate point between P and Q, A goes to Q and returns back for P, and B goes to point P and returns back to Q. They continue thei journey in the same fashion until they meet at the point P. Find the distance covered by A up to just before they meet at point P.  Given that the distance between P and Q is 55 km and speeds of A and B are 3km/hr and 2.5 km, hr respectively.					
	1) 270 km	2) 215 km	3) 240 km	4) 330 km	5) None of these	
12.	-			area by drawing line seg segment to one the sho 4) 5 : 2	ments parallel to one of rtest one? 5) 6 : 5	
13.	_	HCF with 240 is n			e number of integers in	
	1) 40	2) 41	3) 64	4) 78	5) 112	
14.	There is a certain number of chairs inside the hall. It the chairs are arranged 5 chairs per row, 7 chairs per row, and 8 chairs per row then 3, 2 and 5 chairs remain respectively. It is known that there are more than 600 chairs and less than 700 chairs inside the hall. Find the number of chairs remaining if the chairs are arranged 13 chairs per row.					
	1) 2	2) 3	3) 4	4) 5	5) 9	

15. In the following figure, PQ is the diameter of the circle with centre O and QR is the tangent to the circle at Q. PR intersects the circle at S and the tangent to the circle at S intersects QR at T. If the diameter of the circle is 20 cm and TR = 6 cm, find the approximate length of the line segment PR.



1) 33.2 cm

2) 26.6 cm

3) 24.57 cm

4) 22.5 cm

5) 21 cm

Mr. Pradeep Pandey is an experienced quant trainer of MBA aspirants and author of the book "**Quantitative Aptitude for CAT**.†Mr. P. Pande creator of many interesting mathematics and data interpretation problems and he has graciously agreed to share many of them with students on TO their CAT preparation.