CAT Sample Paper 1

by www.indiaeducation.net

Quantitative Ability

DIRECTIONS for questions 1 to 7: Answer the questions independently of each other.

1. The total cost of 2 pencils, 5 erasers and 7 sharpeners is Rs.30, while 3 pencils and 5 sharpeners cost Rs.15 more than 6 erasers. By what amount (in Rs.) does the cost of 39 erasers and 1 sharpener exceed the cost of 6 pencils?

- (1) 20
- (2) 30
- (3) It does not exceed
- (4) Cannot be determined

2. If the roots of the equation (x + 1)(x + 9) + 8 = 0 are a and b, then the roots of the equation (x + a)(x + b) - 8 = 0 are

- (1) 1 and 9
- (2) -4 and -6
- (3) 4 and 6
- (4) Cannot be determined

3. What is the remainder when 7700 is divided by 100?

- (1) 1
- (2) 61
- (3) 41
- (4) 21

4. Balram, the local shoe shop owner, sells four types of footwear-Slippers (S), Canvas Shoes (C), Leather Shoes (L) and Joggers (J). The following information is known regarding the cost prices and selling prices of these four types of footwear:

(i) L sells for Rs.500 less than J, which costs Rs.300 more than S, which, in turn, sells for Rs.200 more than L.
(ii) L costs Rs.300 less than C, which sells for Rs.100 more than S.

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