

QUIZ



GMATBusters

Quant Quiz

Number of factors

Is the number of factors of A equal to 36?

- 1) $A = B \times C$; B and C have exactly one common factor.
- 2) B and C each have exactly Five factors; $A = B \times C$.



Power of an Integer

What is the highest power of 2 in $n!$?

- 1) The highest power of 4 in $n!$ is 7.
- 2) The highest power of 6 in $n!$ is 6.



Remainder

What is the remainder when p is divided by 5?

St 1: p leaves the same remainder when divided by 5, 10, and q .

St 2: p is 4 less than the LCM of 5, 10, and q .



HCF

Is 15 the HCF of p and q ?

- 1) LCM of p and $q = 25$
- 2) $pq = 225$



Last 2 digits

What is the Last 2 digits of $238 \times 234 \times 198 \times 237 \times 199 \times 325 \times 674 \times 876 \times 440 \times 139 \times 217 \times 719$?

- A) 00
- B) 01
- C) 37
- D) 40
- E) 58



Profit

Two Traders A and B each sold the product at \$1000. If A earned 20% profit on selling price and B earned 25% profit on cost price, who earned more profit and by how much?

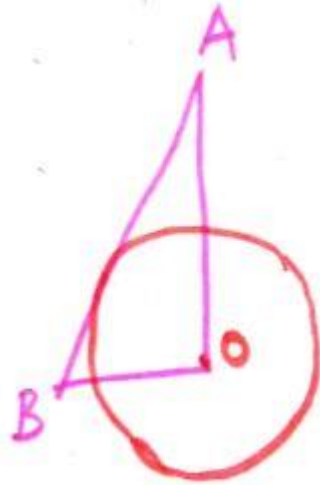
- A. A got 50\$ more profit
- B. B got 50\$ more profit
- C. B got 100\$ more profit
- D. both got the same profit
- E. cannot be determined



Geometry

Kindly refer to the figure, AB is the tangent to the circle with center O, and angle AOB is 90 degrees. If $OA = 4$ cm, and $OB = 3$ cm. What is the radius of the circle?

- A. 1.6
- B. 2.1
- C. 2.4
- D. 3.2
- E. 3.5



HCF

What is the HCF of (p, q) , if p and q are positive integers?

Statement 1: The product pq is ' p ' more than square of p

Statement 2: Twice the value of ' p ' is one less than the sum of ' p ' and ' q '



Interest

In how many years, the amount x will grow to be 9 times the original value?

- 1) The amount x is tripled in the first 12 years
- 2) The amount x accumulated after 18 years of the deposit is $4x$



Mixture - Alligation

A snack mix that is 20% raisins is blended with a second mix that is 30% raisins. The initial blend is 5 pounds of the first mix and 10 pounds of the second. To make the final blend 22% raisins, how many additional pounds of the first mix must be added to the initial blend?

- A. 25
- B. 30
- C. 35
- D. 40
- E. 50

