

UIIC Assistant Numerical Ability Model Questions

NUMERICAL ABILITY

Directions (Q. Nos. 81-90) What should come in place of the question mark (?) in the following questions ?

$$998711 - 362 - 74563 - 8526 - 66156 = ?$$

- (1) 849104 (2) 849014 (3) 849284 (4) 981416 (5) None

$$\sqrt{11236} \times \sqrt{8649} = ?$$

- (1) 9888 (2) 10044 (3) 9858 (4) 9646 (5) None

$$2.5 \times 4.8 \div ? = 30$$

- (1) 1.4 (2) 0.2 (3) 1.2 (4) 0.4 (5) None

$$16.23 \times 12.9 + 17.32 = ?$$

- (1) 294.0036 (2) 490.4706 (3) 226.687 (4) 432.795 (5) None

$$(73)^2 - (41)^2 + (29)^2 = ?$$

- (1) 4344 (2) 4321 (3) 4489 (4) 4649 (5) None

$$[(6)^3 \times (9)^2] \div 18 = ?$$

- (1) 1458 (2) 972 (3) 8748 (4) 162 (5) None

$$\sqrt[3]{941192} = ?$$

- (1) 101 (2) 98 (3) 96 (4) 99 (5) None

$$999 \times 99 \times 9 = ?$$

- (1) 891009 (2) 890019 (3) 890190 (4) 890109 (5) None

$$7410 + ? - 3652 - 1479 = 11820$$

- (1) 9451 (2) 9527 (3) 9441 (4) 9541 (5) None

$$32\% \text{ of } 860 \times ? = 61920$$

- (1) 252 (2) 255 (3) 215 (4) 205 (5) None

Directions (Q. Nos. 91-95) What approximate value should come in place of the question mark (?) in the following questions ?

(Note) You are not expected to calculate the exact value.)

$$85.05\% \text{ of } 2102 = ?$$

- (1) 1755 (2) 1785 (3) 1795 (4) 1750 (5) 1775

$$(22.01)^2 - (17.95)^2 = ?$$

- (1) 168 (2) 152 (3) 160 (4) 155 (5) 172

$$33.003 \times 25.005 \div 5.001 = ?$$

- (1) 165 (2) 162 (3) 161 (4) 160 (5) 168

$$8999 - 315 \times 8.005 = ?$$

- (1) 6550 (2) 6520 (3) 6460 (4) 6480 (5) 6570

$$27.07 \times 1499.09 \div 24.99 = ?$$

- (1) 1560 (2) 1590 (3) 1630 (4) 1640 (5) 1620

Directions (Q.Nos. 96-100) What should come in place of the question mark (?) in the following number series ?

$$127, 63, ?, 15, 7, 3$$

- (1) 32 (2) 24 (3) 31 (4) 30 (5) 26

$$25, 49, ?, 121, 169$$

- (1) 81 (2) 99 (3) 100 (4) 64 (5) 36

$$3, 8, 27, 112, ?, 3396$$

- (1) 565 (2) 452 (3) 560 (4) 1530 (5) 525

$$6, 7, 9, 13, 21, ?$$

- (1) 25 (2) 29 (3) 37 (4) 32 (5) None

$$5, 7, ?, 9, 7, 11, 8, 13$$

- (1) 8 (2) 9 (3) 19 (4) 7 (5) None

The population of a town is 198000. It increases by 7% in the 1st year and decreases by 5% in the 2nd year. What is the population of the town at the end of 2 yr ?

- (1) 211860 (2) 201267 (3) 222453 (4) 198900 (5) None

Mr Natwarlal gave 50% of the money he had to his wife and the remaining amount he distributed equally among his three sons. If each son got Rs. 3250, what was the total amount he had ?

(1) Rs.13000 (2) Rs. 19500 (3) Rs.16250 (4) Cannot be determined (5) None

If $x + y = 20$ and $xy = 84$, what is the value of $(x)^2 + (y)^2$?

(1) 232 (2) 400 (3) 128 (4) Cannot be determined (5) None

In how many different ways can the letters of the word 'ABILITY' be arranged ?

(1) 5040 (2) 720 (3) 1260 (4) 2420 (5) None

If $(31)^3$ is subtracted from the square of a. number, it comes 1893. What is the number ?

(1) 31684 (2) 174 (3) 30276 (4) 178 (5) None

Vinita bought a watch with 24% discount on the selling price. If the watch cost her Rs. 779. What is the original selling price of the watch ?

(1) Rs.1000 (2) Rs.950 (3) Rs.1040

(4) Cannot be determined (5) None of the above

Shyam invests an amount of Rs. 5690 @ 5% per annum for 3 yr. What approximate amount of compound interest will be obtain at the end of 3 yr ?

(1) Rs.854 (2) Rs.799 (3) Rs.843 (4) Rs.787 (5) Rs.897

Samantha, Jessica and Roseline begin to jog around a circular stadium, They complete their revolutions in 84 s, 56 s and 63 s respectively. After how many seconds will they be together at the starting point ?

(1) 336 (2) 504 (3) 252

(4) Cannot be determined (5) None of the above

Asmita invests an amount of Rs. 9535 @ 4% per annum to obtain a total amount of Rs. 11442 on simple interest after a certain period. For how many years did she invest the amount to obtain the total sum ?

(1) 10 yr (2) 2yr (3) 5 yr (4) 4 yr (5) None

The cost of 13 kg of sugar is Rs.195. The cost of 17 kg of rice is Rs.544 and the cost of 21 kg of wheat is Rs.336. What is the total cost of 21 kg of sugar, 26 kg of rice and 19 kg of wheat ?

(1) Rs.1461 (2) Rs.1306 (3) Rs.1500 (4) Rs.1636 (5) None

Ms Shipra Garg invests Rs. 85812 at the rate of 9% per annum for 5 yr to earn interest. What total amount will Miss Shipra Garg get after 5 yr ?

(1) Rs.145427 (2) Rs. 156427.4 (3)Rs. 138427

(4) Rs.124427.4 (5) None of the above

The product of two consecutive even numbers is 16128. Which is the larger number ?

(1) 132 (2) 128 (3) 124 (4) 126 (5) None

The owner of a gift's shop charges 44% more than the cost price. A customer paid Rs. 648 for a wallet. What was the cost price of this wallet ?

(1)Rs.575 (2) Rs.435 (3) Rs.450 (4) Rs.515 (5) None

Find the average of the following sets of scores.

178, 863, 441, 626, 205, 349, 462, 820

(1) 505 (2) 441 (3) 349 (4) 493 (5) None

The difference between 38% of a number and 24% of the same number is 135.10. What is 40% of that number ?

(1) 394 (2) 370 (3) 378 (4) 386 (5) None

16 men can complete a piece of work in 8 days. In how many days can 12 men complete the same piece of work ?

(1) 10 (2) $9\frac{1}{3}$ (3) $10\frac{2}{3}$ (4) Cannot be determined (5) None

