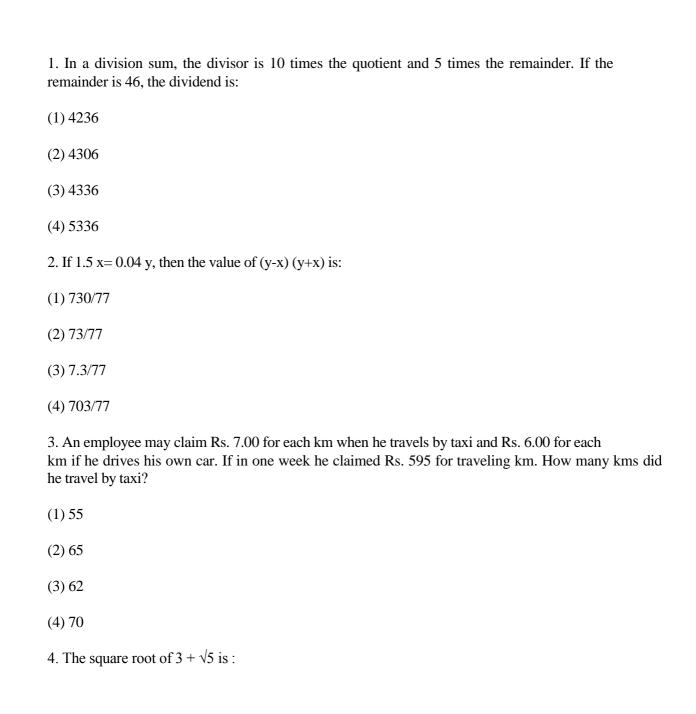
Quantitative Aptitude Model Questions



$(1) \sqrt{3}/2 + 1/\sqrt{2}$
(2) $\sqrt{3}/2 - 1/\sqrt{2}$
(3) $\sqrt{5}/2 - 1/\sqrt{2}$
$(4)\ \sqrt{(5/2)} + \sqrt{(1/2)}$
5. The mean temperature of Monday to Wednesday was $370C$ and of Tuesday to Thursday was $340C$, if the temperature on Thursday was $4/5$ th that of Monday, then what was the temperature on Thursday?
(1) 36.50C
(2) 360C
(3) 35.50C
(4) 340C
6. A certain number of two digits is three times the sum of its digits. If 45 be added to it, the digits are reversed. The number is: www.previouspapers.in
(1) 72
(2) 32
(3) 27
(4) 23
7. Three years ago the average age of A and B was 18 years. While C joining them now, the average becomes 22 years. How old (in years) is C now?
(1) 24
(2) 27
(3) 28
(4) 30
8. If $2^{(2x-1)} = 8^{(3-x)}$, then the value of x is:
(1) -1

(2) -2
(3) 2
(4) 3
9. A man's basic pay for a 40 hours' week is Rs. 200. Overtimes is paid at 25% above the basic rate. In a certain week, he worked overtime and his total was Rs. 300. He therefore, worked for a total of (in hours):
(1) 52
(2) 56
(3) 58
(4) 62
10. On a Rs. 10, 000 payment order, a person has choice between 3 successive discounts of 10%, 10% and 30% and 3 successive discounts of 40%, 5% and 5%. By choosing the better one he can save (in Rupees):
(1) 200
(2) 255
(3) 400
(4) 433
11. Rs. 600 are divided among A, B, C so that Rs. 40 more than 2/5 th of A's share, Rs. 20 more that 2/7 th of B's share and Rs. 10 more than 9/17 th of C's may all be equal. What is A's share (in Rupees)?
(1) 150
(2) 170
(3) 200
(4) 280
12. A, B, C started a business with their investment in the ratio 1:3:5. After 4 months, A invested the same amount as before and B as well as C withdrew half of their investments. The ratio of their profits at the end of the year was:

(1) 8
(2) 10
(3) 4
(4) 6
17. A merchant has 1000 kg of sugar, part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. The quantity (in kg.) sold at 18% profit is:
(1) 560
(2) 600
(3) 400
(4) 640
18. A sum of money becomes Rs. 13, 380 after 3 years and Rs. 20, 070 after 6 years on compound interest. The sum (in Rupees) is:www.previouspapers.in
(1) 8800
(2) 8890
(3) 8920
(4) 9040
19. A well with 14 m inside diameter is dug 10 m deep. Earth taken out of it, has been evenly spread all around it to a width of 21m to form an embankment. The height (in metres) of the embankment is:
(1) 1/2
(2) 2/3
(3) 3/4
(4) 3/5
20. A rectangular carpet has an area of 120 sq metres and a perimeter of 46 metres. The length of its diagonal (in metres) is:
(1) 11

- (2) 13
- (3) 15
- (4) 17

ANSWERS

- 1. (4), 2. (2), 3. (1), 4. (4), 5. (2)
- 6. (3), 7. (1), 8. (3), 9. (2), 10. (2)
- 11. (1), 12. (1), 13. (3), 14. (2), 15. (1)
- 16. (4), 17. (2), 18. (3), 19. (2), 20. (4)