MENTAL ABILITY

Directions (1-3) : What value should come in place of question mark (?) in the following questions?

Q.1) 59% of 3654 ÷ 126 = ?
(1) 171.1   (2) 17.11
(3) 1.711   (4) 0.1711
(5) None of these

Q.2) $\dfrac{23}{27} \times \dfrac{54}{21} - 1\dfrac{4}{9} = ?$

(1) $\dfrac{46}{63}$ (2) $\dfrac{16}{63}$

(3) $1\dfrac{47}{63}$ (4) $3\dfrac{40}{63}$

(5) None of these

Q.3) 491109 – 62835 = 5014 + ?
(1) 423250   (2) 424250
(3) 423260   (4) 424260
(5) None of these

Q.4) 1934.045 + 21.81 + 536.5 + 856.072 = ?
(1) 3347.427   (2) 3338.427
(3) 348.426   (4) 3347.327
(5) None of these

Q.5) $22 \times \dfrac{3}{4} \times ? \times \dfrac{8}{11} = 1$

(1) 12   (2) $\dfrac{1}{12}$

(3) $\dfrac{8}{11}$ (4) $\dfrac{3}{11}$

(5) None of these

Q.6) $\dfrac{1}{11}$ of (39.44 + 24.17 – 19.17) = ?
(1) 4.04   (2) 4.40
(3) 44.0   (4) 4.50
(5) None of these

Q.7) $7^2 \times x - 7 = 0$

(1) 7   (2) $\dfrac{1}{49}$

(3) $\dfrac{1}{7}$ (4) 49

(5) None of these

Q.8) $(?)^2 - 200 = 584$
(1) 26   (2) 20
(3) 24   (4) 28
(5) None of these

Q.9)   404 + 70948 + 3154 + 70 = ?
       (1) 74476   (2) 73576
       (3) 74566   (4) 74575
       (5) None of these

Q.10) $\left(\dfrac{55}{12}+\dfrac{5}{4}\right)^2 = ?$

       (1) $9\dfrac{4}{9}$ (2) $13\dfrac{4}{9}$

       (3) $1\dfrac{40}{81}$ (4) $20\dfrac{1}{4}$

       (5) None of these

Q.11) 9% of 50 + 8% of 24 – ? = 5.4
       (1) 18.3   (2) 1.83
       (3) 1.02   (4) 10.2
       (5) None of these

Q.12) (1236 ÷ 8) × 7 – ? = 1010
       (1) 2779   (2) 2969
       (3) 869   (4) 859
       (5) None of these

Q.13) $(?)^3 = 729$
       (1) 9   (2) 19
       (3) 27   (4) 39
       (5) None of these

Q.14) $4.25 \times 15 \times \dfrac{3}{4} = ?$

       (1) 4.7812   (2) 46.6875
       (3) 4.6687   (4) 47.8125
       (5) None of these

Q.15) $0.333 \div \dfrac{2}{3} = ?$

       (1) 0.6660   (2) 0.4995
       (3) 0.4990   (4) 0.1110
       (5) None of these

Q.16) $\dfrac{901}{21} \times \dfrac{1743}{53} = ?$
       (1) 1462   (2) 1428
       (3) 1411   (4) 1394
       (5) None of these

Q.17) $\dfrac{7}{5} - \dfrac{5}{9} + \dfrac{3}{8} = ?$

       (1) $\dfrac{8}{9}$ (2) $\dfrac{7}{8}$

(3) $\dfrac{1}{18}$ (4) $1\dfrac{1}{18}$

(5) None of these

Q.18) $30 \times 40 \times ? = 2100$
(1) 1.25   (2) 1.50
(3) 2.50   (4) 1.75
(5) None of these

Q.19) $\sqrt{2.25} \times 25 = ?$
(1) 25.25   (2) 37.5
(3) 56.25   (4) 7.5
(5) None of these

Q.20) 44% of 88 – 8% of 305 = ?
(1) 63.12   (2) 14.00
(3) 34.4   (4) 14.32
(5) None of these

Q.21) $(? \times 10) – 93 = 927$
(1) 101   (2) 100
(3) 103   (4) 99
(5) None of these

Q.22) $(1.05)^2 \times 200 = ?$
(1) 2205.0   (2) 225.0
(3) 220.5   (4) 220.1
(5) None of these

Q.23) $144 \div 12 \times 3 – 2 = ?$
(1) 34   (2) 12
(3) $4\dfrac{4}{17}$ (4) 11
(5) None of these

Q.24) If nine dinner plates cost Rs. 1,174/-, what is the **approximate** cost of a single plate?
(1) Rs. 125/-   (2) Rs. 135/-
(3) Rs. 120/-   (4) Rs. 130/-
(5) None of these

Q.25) Ramesh and Neelesh start walking to meet one another from places 25 kms apart. If Ramesh walks at the rate of 2 kms an hour and Neelesh at 3 kms an hour, how many hours will it be before they meet?
(1) 4 hrs 20 mnts   (2) 5 hrs
(3) 10 hrs   (4) 12 hrs 30 mnts
(5) None of these

ANSWERS

1.	(3)	6.	(4)	11.	(1)	16.	(4)	21.	(1)
2.	(5)	7.	(5)	12.	(4)	17.	(2)	22.	(4)
3.	(2)	8.	(2)	13.	(2)	18.	(4)	23.	(2)
4.	(5)	9.	(3)	14.	(3)	19.	(5)	24.	(5)
5.	(3)	10.	(4)	15.	(5)	20.	(3)	25.	(1)