1. The value of 25-5[2+3{2-2(5-3)+5}-10] ÷ 4 is
(A) 5   (B) 23.25   *(C)* 23.75   (D) 25

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2. The value of 0.008*0.01*0.0072 ÷ (0.12*0.0004) is:
(A) 0.012   (B) 0.12   (C) 1.02   (D) 1.2

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3. ((64-38)*4)÷13=?
(A) 4   (B) 1   *(C)* 8   (D) 2

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4. The simplest value of $\frac{1}{1*2}$+$\frac{1}{2*3}$+$\frac{1}{3*4}$+......+$\frac{1}{9*10}$ is
(A) $\frac{1}{10}$ *(B)* $\frac{9}{10}$ (C) 1   (D) 10

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5. The value of $\frac{\left(\frac{3}{5} \right)^{3}-\left (\frac{2}{5} \right)^{3}}{\left (\frac{3}{5} \right)^{2}-\left (\frac{2}{5} \right)^{2}}$
(A) $\frac{1}{5}$ *(B)* $\frac{19}{25}$ (C) $\frac{21}{25}$ (D) 1

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6. Simplify $\frac{1}{1+\frac{\frac{2}{3}}{1+\frac{2}{3}+\frac{\frac{8}{9}}{1-\frac{2}{3}}}}$
(A) $\frac{11}{13}$ *(B)* $\frac{13}{15}$ (C) $\frac{13}{11}$ (D) $\frac{15}{13}$

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7. 1559.95-7.99*24.96-$?^{2}$=1154
(A) 14   (B) 24   (C) 32   (D) 18

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8. Evaluate (923-347)/?=32
(A) 35   (B) 20   *(C)* 18   (D) 15

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9. If a=bc and c=a-b, then the value of a is
(A) b^{2}-1   *(B)* $\frac{b^2}{b-1}$ (C) $\frac{b}{b-1}$ (D) none of these

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10. Solve 14*627÷$\sqrt{1089}$=$?^{3}$+141
(A) 5$\sqrt{5}$ (B) 125^{3} (C) 25   *(D)* 5

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11. If 4x=p(x+3)+q(x-1) is an identity, then the values of p and q are
(A) 1,-3   *(B)* 1,3   (C) 1,1   (D) 3,1

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12. Each boy contributed rupees equal to the number of girls and each girl contributed rupees equal to the number of boys in a class of 60 students. If the total contribution thus collected is Rs.1600, how many boys are there in the class?
(A) 25   (B) 30   (C) 50   *(D)* Data inadequate

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13. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. A student attempted all the 200 questions and scored in all 200 marks. The number of questions he answered correctly was
(A) 60   (B) 68   *(C)* 80   (D) 82

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14. In an examination there are 30 questions 1 mark is given for each correct answer and 0.25 is deducted for every incorrect answer. Ankur attempted all the questions and scored 13.75. How many incorrect answers did we have?
(A) 10   (B) 11   (C) 12   (D) 15

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15. Some students planned a picnic. The budget for food was Rs.500. But, 5 of them failed to go and thus the cost of food for each member increased by Rs.5. How many students attended the picnic?

(A) 15   *(B)* 20   (C) 25   (D) 30

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16. The cost of 6 pens and 3 pencils is Rs.84. One-third of the cost of one pen is equal to the cost of one pencil. What is the total cost of 4 pens and 5 pencils?
(A) Rs.66   *(B)* Rs.68   (C) Rs.72   (D) Rs.78

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17. In a cricket match, Team A scored 232 runs with out losing a wicket. The score consisted of bytes, wides and runs scored by two opening batsmen, Ram and Shyam. The runs scored by the two batsmen are 26 times wides. There are 8 more byes than wides. If the ratio of runs scored by Ram and Shyam is 6:7, then the run scored by Ram is?
(A) 88   *(B)* 96   (C) 102   (D) 112

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18. The teacher's colony has 2800 members, out of which 650 members read only English newspaper. 550 members read only Hindi newspaper and 450 members read only Marathi newspaper. The number of members reading all the 3 newspaper is 100. Members reading Hindi as well as English newspaper are 200. 400 members read Hindi as well as Marathi newspaper and 300 members read English as well as Marathi newspaper.Find the number of members reading Hindi newspaper.
(A) 750   (B) 980   (C) 1000   (D) 1020

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19. Manick visited his cousin Aniket during the summer vacation. In the mornings, they both would go for swimming. In the evenings, they would play tennis. They would engage in at most one activity per day i.e., either they went swimming or played tennis each day. There were days when they took rest and stayed home all day long. There were 32 mornings when they did nothing, 18 evenings when they stayed at home, and a total of 28 days when they swam or played tennis. What duration of the summer vacation did Manick stay with Aniket?
(A) 36 days   *(B)* 39 days   (C) 46 days   (D) 58 days

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20. David gets on the elevator at the 11th floor of a building and rides up the rate of 57 floors per minute. At the same time, Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue travelling at these rates, then at which floor will their paths cross?
(A) 19th   (B) 28th   *(C)* 30th   (D) 37th