

becomes 12 : 23. Find the first number?

- a) 31 b) 32
c) 33 d) 34
e) None of these

895. Pipe A can fill a tank in 4 hours while pipe B can empty it in 6 hours. If both the pipes are opened together, how much time will it take to fill the tank?

- a) 6 hours b) 8 hours
c) 10 hours d) 12 hours
e) None of these

896. The area of a square formed by a rope is 22 cm². If a circle is formed by the same rope, then what will be its area?

- a) 44 cm² b) 25 cm²
c) 28 cm² d) 32 cm²
e) None of these

897. What will be the area of a triangle with base 10.2 cm and height 3.5 cm?

- a) 15 cm² b) 17.85 cm²
c) 18.2 cm² d) 20 cm²
e) None of these

Directions (Qns. 898-907): Find the value of question mark (?) in each question.

898. $143 \times ? + 72 \times 58 \div 87 = 6912$

- a) 46 b) 47
c) 48 d) 49
e) None of these

899. $3\frac{2}{3}$ of 183 - $1\frac{4}{5}$ of 165 = ?

- a) 374 b) 384
c) 474 d) 364
e) None of these

900. $48617 - 15470 + ? = 37182$

- a) 5035 b) 4135
c) 4025 d) 4035
e) None of these

901. 32% of 16.6 - ? = 4.8% of 54

- a) 1.72 b) 2.72
c) 2.73 d) 2.62
e) None of these

902. $\frac{14 \times 75 + 32 \times 12}{36 \times 41 + 18 \times 157} = ?$

- a) 1/2 b) 2/3
c) 1/4 d) 1/3

e) None of these

903. $3\frac{1}{2} - 2\frac{1}{4} + 4\frac{1}{5} - 6\frac{2}{5} = 1 - ?$

- a) 1.05 b) 0.95
c) 1.95 d) 0.05
e) None of these

904. $8.38 + 2.84 \times 3.57 = ?$

- a) 18.5188 b) 18.5288
c) 16.5188 d) 18.5178
e) None of these

905. 75% of 75 + ? of ? = 98.5

- a) 4.5 b) 5.5
c) 6.5 d) 7.5
e) None of these

906. $385 + 124 - 39 - 523 + 782 - 815 + ? = 154$

- a) 68 b) 240
c) 340 d) 250
e) None of these

907. $\frac{(379+184)^2 - (379-184)^2}{379 \times 184} = ?$

- a) 4 b) 1
c) 569 d) 0
e) None of these

908. The least number of 6 digits exactly divisible by 456 is:

- a) 100000 b) 100420
c) 100320 d) 100907
e) None of these

909. $\sqrt{\frac{2.89 \times 0.9}{0.17 \times 1.7}}$ is equal to

- a) 0.3 b) 0.003
c) 0.31 d) 3
e) None of these

910. $\sqrt{1225 \times 72 + 576} \div 72 = ?$

- a) 2520 b) 3520
c) 2528 d) 3528
e) None of these

911. Find the value of: $\sqrt{6\sqrt{6\sqrt{6\sqrt{6\sqrt{6}}}}}$

- a) $6^{\frac{31}{32}}$ b) $36^{\frac{31}{32}}$
c) $36^{\frac{32}{31}}$ d) $6^{\frac{32}{31}}$
e) None of these

912. $(16)^{0.16} \times (16)^{0.04} \times (2)^{0.2}$ is equal to

- a) 1 b) 2
c) 0.88 d) 0.82
e) None of these
913. $[\sqrt[3]{2} \cdot \sqrt[2]{2} \cdot \sqrt[3]{3} \cdot \sqrt[2]{3}]$ is equal to
a) $6^{\frac{6}{5}}$ b) $6^{\frac{5}{6}}$
c) 6 d) 6^2
e) None of these
914. Ram and Mohan are friends. Each has some money. If Ram gives Rs. 30 to Mohan, then Mohan will have twice the money left with Ram. But if Mohan gives Rs. 10 to Ram, then Ram, will have thrice as much as is left with Mohan. How much money does each have?
a) 62, 34 b) 60, 32
c) 58, 30 d) 56, 28
e) None of these
915. The difference between the compound interest and the simple interest on Rs. 2500 for 2 years at 4% per annum is
a) Rs. 4 b) Rs. 12
c) Rs. 40 d) Rs. 2
e) None of these
916. If the compound interest on a sum of money for 3 years at the rate of 5% per annum is Rs. 252.20, then the simple interest on the same sum at the same rate and for the same period is
a) Rs. 210 b) Rs. 220
c) Rs. 230 d) Rs. 240
e) None of these
917. Which sum will amount to Rs. 7000 in 5 years at $3\frac{1}{3}$ % simple interest?
a) Rs. 6000 b) Rs. 6100
c) Rs. 6090 d) Rs. 6080
e) None of these
918. A man borrows Rs. 20,000 and agrees to pay both the interest and the principal in 4 equal annual instalments. If the interest is calculated @ 5% annually, find the annual instalment.
a) Rs. 5900 b) Rs. 6100
c) Rs. 6000 d) Rs. 6001
e) None of these
919. The surface of water in a swimming pool is a rectangle 32 m long and 9.5 m wide and the depth of the water increases uniformly from 4.5 m at one end to 2.5 m at the other end. What is the volume of the water in the pool?

- a) 1004 m^3 b) 1060 m^3
c) 1064 m^3 d) 10650 m^3
e) None of these
920. A passenger train running at the speed of 80 km/hr leaves the railway station 6 hours after a goods train leaves and overtakes it in 4 hours. What is the speed of the goods train?
a) 32 km/hr b) 48 km/hr
c) 60 km/hr d) 80 km/hr
e) None of these
921. A train running between two stations A and B arrives at its destination 10 minutes late when its speed is 50 km/hr and 50 minutes late when its speed is 30 km/hr. How far is station A from B?
a) 50 km b) 40 km
c) 55.7 km d) 54 km
e) None of these
922. The price of a book is Rs. 60 but the seller allows successive discounts of 20% and 30%. The net sale price is subject to a sales tax of 5%. How much does the buyer pay?
a) Rs. 35.28 b) Rs. 37
c) Rs. 40 d) Rs. 33.60
e) None of these
923. If two numbers are respectively 20% and 50% of a third number, then what percent is the first number of the second one?
a) 10% b) 20%
c) 30% d) 40%
e) None of these
924. A man has some hens and cows. If the number of heads be 48 and number of feet equals 140, then the number of hens is
a) 11 b) 22
c) 26 d) 32
e) None of these
925. In an examination, 65% students passed in Civics, 60% in History and 40% passed in both these subjects. If 90 students failed in History and Civics both, then what is the total number of students?
a) 600 b) 650
c) 700 d) 750
e) None of these
926. A and B together can complete a work in 12 days. A alone can complete it in 20 days.

If B now does the work only for half a day daily, then in how many days A and B together will complete the work?

- a) 15 days b) 20 days
c) 45 days d) 30 days
e) None of these

927. Each of the height and base radius of a cone is increased by 100%. The percentage increase in the volume of the cone is

- a) 700% b) 400%
c) 300% d) 100%
e) None of these

928. A boat goes 20 km downstream in one hour and the same distance upstream in two hours. The speed of the boat in still water is

- a) 15 km/hr b) 10 km/hr
c) 12 km/hr d) 8 km/hr
e) None of these

Directions (Qns. 929-932): Find the value of question mark (?) in each question.

929. $3 + 1$

$$\frac{3}{1-3} = ?$$

- a) 2 b) -2
c) 0 d) -1
e) None of these

930. $\sqrt{5\sqrt{5\sqrt{5\sqrt{5}}}} = ?$

- a) $\sqrt{5}$ b) 5
c) 0 d) Infinite
e) None of these

931. $\frac{(10)^{\frac{5}{5}}}{\left[\left\{\left(2^7\right)^{-\frac{5}{3}}\right\}^{\frac{3}{7}}\right]^{-\frac{1}{5}}} = ?$

- a) 10 b) 5
c) $4^{\frac{1}{7}}$ d) 0
e) None of these

932. $45\% \text{ of } 126 \div 25\% \text{ of } 90 = ?$

- a) $2\frac{13}{25}$ b) 1275
c) 25 d) 65
e) None of these

933. A typewriter was purchased at Rs. 9250.50 The selling price was Rs. 9730. What was

the rate of discount in percentage?

- a) 4% b) 5%
c) 8% d) 9.5%
e) None of these

934. Nithya and Priya started a business investing Rs. 3800 and Rs. 4600 respectively. If the net gain of Rs. 945 was to be distributed in accordance with their investment, what would be the share of Nithya?

- a) Rs. 427.50 b) Rs. 516
c) Rs. 442.60 d) Rs. 451.5
e) None of these

935. If 4 workers can dig 20 m long ditch in 6 days, find out the part dug by 2 workers in a day (in metre)?

- a) $1\frac{2}{3}$ b) $3\frac{2}{4}$
c) $3\frac{2}{3}$ d) $1\frac{3}{2}$
e) None of these

936. In a school competition the ratio of girls of boys is 3.5 : 4.5 and the total number of girls is 1540. Find out the total participants in the competition.

- a) 3502 b) 3504
c) 3520 d) 3505
e) None of these

937. If a shopkeeper wants to give 20% discount on a toy, he has to sell it for Rs. 300. If he sells it at Rs.405, then find out his gain or loss per cent.

- a) 8% profit b) 8% loss
c) 7% profit d) no profit no loss
e) None of these

938. Find out the simple interest on Rs. 625 for $2\frac{1}{2}$ years at the rate of $5\frac{1}{2}\%$.

- a) 80.45 b) 82.45
c) 85.95 d) 89
e) None of these

939. Pipe 'A' can fill a tank in 4 minutes whereas pipe 'A' and 'B' (Both) can fill the tank in 3 minutes. How much time will pipe 'B' take to fill the tank?

- a) 12 minutes b) 10 minutes
c) 11 minutes d) 13 minutes
e) None of these

940. $(0.3)^{\frac{1}{3}} \times (0.9)^{\frac{4}{3}} \times 3^{\frac{2}{3}} \times 3^{\frac{1}{2} + \frac{5}{4} + \frac{3}{4}} = ?$

- a) 2 b) 2.7
c) 27.7 d) 0.27
e) None of these
941. Ravi can make 1000 dolls in 40 days working 8 hours per day. In how many days can he make 1500 dolls working 10 hours per day?
a) 42 b) 45
c) 47 d) 48
e) None of these
942. If Rajesh walks at 4 km/hr., then the time taken by him to cover 2000 m is,
a) 30 seconds b) 30 minutes
c) 30 hours d) 20 minutes
e) None of these
943. A rectangular tank of depth 3m is 4m long and 2m broad internally. How many metric tones of petrol it can store if 1m³ of petrol weighs 900 kg.
a) 24 metric tonnes
b) 21600 metric tonnes
c) 25 metric tonnes
d) 21.6 metric tonnes
e) None of these
944. By selling 11 oranges for a rupee, a man loses 10%. How many should be sold for a rupee to gain 10%?
a) 9 b) 3
c) 2 d) 6
e) None of these
945. A train running at the rate of 40 kms an hour meets a person walking along the line in the opposite direction at the rate of 4 kms. an hour and passes him in $5\frac{5}{8}$ seconds. Find the length of the train.
a) 68 metres b) 60 metres
c) 68.75 metres d) 60.75 metres
e) None of these
946. Find the number which when added to itself 17 times, gives 162.
a) 3 b) 9
c) 10 d) 11
e) None of these
947. Find the area of a trapezium whose parallel sides are 35 cm and 23 cm long and the distance between them is 15 cm.
a) 430 cm² b) 435 cm²
c) 436 cm² d) 431 cm²
e) None of these
948. The perimeter of a rectangular field is 48 metres and the ratio between the length and breadth is 5:3. Then the area of the field is
a) 135 m² b) 148 m²
c) 130 m² d) 150 m²
e) None of these
949. $3\frac{1}{5} : 1\frac{3}{5} : 5\frac{1}{3} = ?$
a) 3 : 2 : 7 b) 6 : 3 : 8
c) 3 : 2 : 4 d) 6 : 3 : 10
e) None of these
950. Mukesh scored 21 runs more than Girish in a Cricket match. If the sum of the runs scored by both of them together is 237, what are the runs scored by Girish ?
a) 108 b) 118
c) 98 d) 106
e) None of these
951. "B" is 10% heavier than "A" and "C" is 10% lighter than "B". Which of the following statements is TRUE ?
a) Both "A" and "C" weigh equal.
b) C is lighter than A by 9%.
c) C is heavier than A by 1%.
d) C is lighter than A by 1%.
e) None of these.
952. Which of the following numbers does not fit in the following series ?
4 8 20 48 144 288 864
a) 8 b) 20
c) 48 d) 144
e) 288
953. The sum of three times a certain integer number and four times the reciprocal of it is 13. What is the number ?
a) 8 b) 5
c) 4 d) 6
e) None of these
954. A certain amount of profit is distributed among two business partners A and B in the ratio 3:1. If B's investment of Rs.4000 is used for first six months only, what is A's investment if it is used for the whole year ?
a) Rs.5000 b) Rs.8000
c) Rs.4000 d) Rs.6000
e) None of these
955. When a certain number is divided by either 4 or 6, the remainder of 2 is left. Which of

- the following could that number be ?
- a) 142 b) 170
c) 312 d) 214
e) None of these
956. The value of a vehicle is Rs.3,25,000. It was insured for 85% of its value. If in an accident, the vehicle was totally damaged and the insurance company paid 90% of the insured value, what is the difference in the value of the scooter and the insurance amount received?
- a) Rs.32500 b) Rs.48750
c) Rs.76375 d) Rs.81250
e) None of these
957. What per cent of $\frac{39}{91}$ is $\frac{3}{7}$?
- a) 30 b) 100
c) 300 d) 70
e) None of these
958. Which number would come at the place of question mark (?) in the following series ? 0.3888 a) 296 d) 321 d) 448 ?
- a) 175 b) 160
c) 145 d) 180
e) None of these
959. Eight men can complete a work in 36 days. If 4 men are withdrawn after 10 days, how many days would the remaining men require to complete the remaining work ?
- a) 52 b) 56
c) 609 d) 64
e) None of these
960. If 200% of a number is 800, what will be 0.5% of that number?
- a) 2 b) 20
c) 200 d) 2000
e) None of these
961. What is the compound interest on the principal of Rs. 20000 at the rate of 9% p.a. for a period of 2 years?
- a) Rs. 3600 b) Rs. 3762
c) Rs. 3900 d) Rs. 3846
e) None of these
962. Out of 100 students, 50 failed in English and 30 failed in Maths. If 12 students failed in both English and Maths, how many students passed in both the subjects
- a) 8 b) 20
c) 32 d) 50

- e) None of these
963. How much water should be added to 30 litre solution of water and alcohol containing 90% alcohol so as to reduce the content of alcohol to 80%
- a) 3.5 litres b) 2.75 litres
c) 6.5 litres d) 3.75 litres
e) None of these
964. A person buys several fruits at the rate of 16 for Rs.24 and sells them at the rate of 8 for Rs.18. What is his gain?
- a) 50% b) 60%
c) 40% d) 25%
e) None of these
965. In a partnership business. 'A' has invested Rs.2000 for 5 months while B has invested Rs.3500 for a certain period. If out of the total profit of Rs.1440 in one year, B's share is Rs.840, for what period has he kept his investment of Rs.3500 in the business?
- a) 5 months b) 6 months
c) 3 months d) 4 months
e) None of these
966. A boat goes downstream through certain distance in 1 hour and returns back in 1.5 hours. If the current is flowing at the speed of 3 km/hr. What is the speed of the boat in still water ?
- a) 12 km/hr b) 15 km/hr
c) 13 km/hr d) 14 km/hr
e) None of these
967. The sum of two positive numbers is 88. If the larger number is divided by the smaller one, the quotient is 5 and the remainder is 10. Which of the following can such pair be ?
- a) 71 and 17 b) 73 and 15
c) 75 and 13 d) 65 and 23
e) None of these
968. The ratio of the present ages of Chintu and Mintu is 7 : 13. However, six years ago, the ratio of their ages was 5:11. What is the present age of Chintu ?
- a) 21 years b) 39 years
c) 15 years d) 33 years
e) None of these
969. Two successive discounts of 30% followed by 25% are equivalent to a single discount of

which of the following ?

- a) 45% b) 55%
c) 47.5% d) 52.5%
e) None of these

Directions (Qns. 970-983): Find the value of question mark (?) in each question.

970. $4\frac{3}{5} - ?\frac{2}{3} + 2\frac{3}{7} = 4\frac{38}{105}$

- a) 3 b) 4
c) 1 d) 2
e) None of these

971. $600 \times 2\frac{2}{5} \div 120 + 65 \times ? = 857$

- a) 14 b) 13
c) 15 d) 12
e) None of these

972. $\frac{128 \times 5 - 2.5 \times 64}{3.2 \times 15} = ?\% \text{ of } 200$

- a) 0.5 b) 50
c) 10 d) 5
e) None of these

973. $18\% \text{ of } 47 - 34\% \text{ of } 72 = ?$

- a) 22.94 b) 33.94
c) 32.94 d) 32.84
e) None of these

974. $28.59 + 61.398 - 7.24 - 44.859 = ?$

- a) 37.989 b) 47.889
c) 37.899 d) 37.889
e) None of these

975. $33529.8 \div ? = 4089$

- a) 6.2 b) 7.2
c) 8.2 d) 9.2
e) None of these

976. $3\frac{5}{6} + 7\frac{2}{5} - 2\frac{3}{7} = ?$

- a) $8\frac{159}{210}$ b) $7\frac{169}{210}$
c) $8\frac{179}{210}$ d) $8\frac{169}{210}$
e) None of these

977. $48\% \text{ of } 35 + 22\% \text{ of } 78 - 28\% \text{ of } 64 = ?$

- a) 16.04 b) 18.58
c) 14.96 d) 12.78
e) None of these

978. $7547 - 4816 = 2816 - ?$

- a) 75 b) 85

c) 95 d) 115

e) None of these

979. $476.52 - 135.03 + 79.6 = 251.8 + ?$

- a) 169.29 b) 179.29
c) 189.29 d) 169.19
e) None of these

980. $8190 \times ?\% \text{ of } 25 = 20475$

- a) 2.5 b) 10
c) 100 d) 1
e) None of these

981. $\frac{4}{9} \text{ of } 40500 \div ? = 120$

- a) 160 b) 125
c) 150 d) 140
e) None of these

982. $88\% \text{ of } 370 + 24\% \text{ of } 210 - ? = 118$

- a) 258 b) 358
c) 268 d) 256
e) None of these

983. $6\frac{2}{5} \div 2\frac{1}{2} \times 2\frac{2}{5} = ?$

- a) 6.642 b) 4.524
c) 3.224 d) 6.144
e) None of these

984. The L.C.M. and H.C.F. of two positive numbers is 200 and 20 respectively. If one of the numbers is 100, what is the other number?

- a) 20 b) 40
c) 80 d) 60
e) None of these

985. What is the cost price of the article if when it is sold for Rs. 168, a loss of 16% is incurred?

- a) Rs. 200 b) Rs. 180
c) Rs. 220 d) Rs. 210
e) Rs. 190

986. The ratio of the ages of A and B ten years ago was 3 : 5. If the ratio of their present ages is 2 : 3, how old is "B" today?

- a) 40 years
b) 30 years
c) 60 years
d) 24 years
e) None of these

987. Chaitanya and Aditya started a business in partnership by investing Rs.12,000 and Rs.15,000 respectively. If at the end of one

year, Chaitanya's share in the profit was Rs. 1200, what is the amount of overall profit?

- a) Rs. 2400 b) Rs. 2800
c) Rs. 3000 d) Rs. 2700
e) None of these

988. The average of six numbers is 3.95. If the average of two of them is 3.4 while that of other two is 3.85, what is the average of the remaining two numbers?

- a) 4.8 b) 4.7
c) 4.6 d) 4.5
e) None of these

Directions (Qns. 989-998): Find the value of question mark (?) in each question.

989. $21\frac{1}{5} \times 45\% \text{ of } 25 = ?$

- a) 238.5 b) 228.5
c) 338.5 d) 239.5
e) None of these

990. $27194 - 13486 + 5469 - 8643 = ?$

- a) 11534 b) 10634
c) 10524 d) 10534
e) None of these

991. $4\frac{3}{7} \text{ of } 1071 + 2\frac{1}{8} \text{ of } 816 = ?$

- a) 6377 b) 6467
c) 6477 d) 5477
e) None of these

992. $\sqrt{\frac{143.65}{3.4}} = ?$

- a) 6.5 b) 5.6
c) 6.6 d) 5.5
e) None of these

993. If $61 * 8 \times 41 = 252478$, $* = ?$

- a) 6 b) 5
c) 4 d) 0
e) None of these

994. $81\sqrt{625} \div 5\frac{2}{5} + 176 - 87 = ?$

- a) 564 b) 454
c) 464 d) 462
e) None of these

995. $14\frac{3}{5} - 8\frac{1}{4} + 12\frac{5}{6} = ?$

- a) $20\frac{11}{60}$ b) $11\frac{19}{60}$
c) $19\frac{9}{60}$ d) $19\frac{11}{60}$
e) None of these

996. $3.48 \times 1.9 + 19.008 = 30\% \text{ of } ?$

- a) 8.54 b) 85.4
c) 0.854 d) 854
e) None of these

997. $3010 + 660 \div 60 + 380 = ?$

- a) 3401 b) 3409
c) 3400 d) 3411
e) None of these

998. $1549 - (615 - 382) - 2191 + 438 = 238 - ?$

- a) 379 b) 675
c) 437 d) 657
e) None of these

999. A person invests Rs. 1100 at 8% p.a. and Rs. 1500 at 10% p.a., both at simple interest. What is the total amount of interest at the end of 3 years on both the investments taken together?

- a) Rs. 684 b) Rs. 734
c) Rs. 812 d) Rs. 714
e) None of these

1000. Mohnish started a business investing Rs. 80,000. Six months later, Shishir joined him with his capital of Rs. 1,40,000. If at the end of the year, the total profit is Rs. 37,500, what is the share of Shishir in it?

- a) Rs. 20,000 b) Rs. 18,000
c) Rs. 17,500 d) Rs. 18,500
e) None of these

