

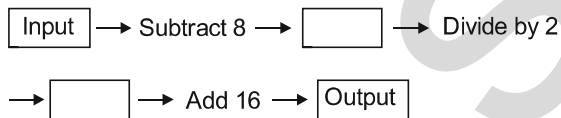
1. The rate of increase of the price of sugar is observed to be two percent more than the inflation rate expressed in percentage. The price of sugar on January 1, 2017 is Rs. 20 per kg. The inflation rate for the years 2017 and 2018 are expected to be 8% each. The expected price of sugar on January 1, 2019 would be

(a) 23.60
(b) 24.00
(c) 24.20
(d) 24.60

2. The income of Suresh is 10000 and its expenditure is 6000 and thus saves 4000 Rs. In the next year, his income is increased by 10% and its expenditure increased by 20%. Now his saving is what percent lower than the previous saving

(a) 5%
(b) 7.5
(c) 10%
(d) 15%

3. Consider the following flowchart :



If the output is 32, the input must have been

(a) 16
(b) 28
(c) 36
(d) 40

4. $\frac{2}{5}$ of the voters promised to vote for P and the rest promised to vote for Q. Of these, on the last day 15% of the voters went back of their promise to vote for P and 25% of the voters went back of their promise to vote for Q, hence P lost by 4 votes. Then the total number of voters actually voting for P is

(a) 100
(b) 200
(c) 98
(d) 102

5. Two liquids A and B are in the ratio 5 : 1 in container 1 and 1 : 3 in container 2. In what ratio should the contents of the two containers be mixed so as to obtain a mixture of A and B in the ratio 2 : 1?

(a) 2 : 3
(b) 4 : 3
(c) 3 : 2
(d) 5 : 2

6. Two taps A and B can fill a cistern in 12 min and 15 min respectively. They are opened together but after a few min, A is turned off and the rest of the cistern is filled by B in 5 min. After how many minutes was A turned off?

(a) 4 min
(b) 7 min
(c) 6 min
(d) None of these

7. A sum of Rs 61200 is divided between Ruma and Ashish, who are respectively 18 and 19 yr old, in such a way that if their shares are invested at 4% per annum compounded annually, they shall receive the same amount on reaching 21 yr of age. What is the share of Ruma?

(a) Rs. 32000
(b) Rs. 30000
(c) Rs. 31200
(d) Rs. 29200

8. A man divided his share to his sons A and B in such a way that the interest received by A at 15% per annum for 3 yrs is double the interest received by B at 12% per annum for 5 yr. In what ratio was his share divided?

(a) $\frac{2}{3}$
(b) $\frac{8}{3}$
(c) $\frac{3}{8}$
(d) $\frac{3}{2}$