

THE FOLLOWING
QUESTIONS FOR SOLUTION

In next Year's Publication, are respectfully submitted to the notice of our young Readers, wishing to excite in them a spirit of enquiry and emulation ; as we are desirous of affixing the names of Persons to the best Answers, which we request to be sent in, previous to August 1st.

1.
A privateer sailing at the rate of $8\frac{1}{2}$ miles in an hour, discovers a merchant vessel 17 miles distant, sailing at the rate of $6\frac{1}{2}$ miles in an hour. In what time will the privateer overtake the other vessel ?

2.
A trader sold a quantity of flour for 39 dollars, and gained as much per cent. as the flour cost him, required the cost of the flour ?

3.
A steam-boat has 162 passengers ; there are twice as many women as children, and three times as many men as women. What is the number of the men, women and children ?

4.
Two sportsmen walking over a marsh, started a flock of Plover. The first one fired and brought down 3-9ths. of the whole flock. The second then fired and killed a number equal to the square root of half the flock ; when only 2 birds were left, required the quantity of birds in the flock ?

5.
A labourer agrees to work for 6s. 3d. per diem. for 24 days, and to forfeit his wages, and 2s. 1d. every day he was idle. At the end of the time he received £5 how many days was he idle ?

6.
A man bought a cheese weighing 65lbs. for £2 15s. he sold a wedge from the centre, of an angle of $33\frac{1}{4}$ degrees, what does it weigh, and what does it come to, by allowing a profit of 20 per cent.

We should be obliged to any correspondent who will furnish us with similar questions in future.

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