A works at it alone for 12 days, *B* then works 5 days, and afterwards *C* finishes it in 4 days. Find the time in which *C* alone could do the whole work.

PAPER VII.

1. Find the product of the following numbers:—(1) 78398670×90785. (2) 9703978×679458. (3) 96870×708963. (4) 897463287×30974. (5) 906870690×90087.

2. Two boys go fishing: one catches 40 chub, 30 perch, and 26 trout; the other catches an equal number of each, in all 90 fish. They sell them, a chub for 5c., a perch 8c., and a trout, 12c.; how much does each receive?

3. A case of strawberries contains 54 boxes, each 1 lb. in weight at 7c. a box. What will be the cost of canning 2 cases, allowing 1 lb. sugar at 10c. to every 2 lbs. berries?

4. Each man in an army of 60000 men gets two pairs of socks per year. How many sheep, each fleece 6 lbs., are necessary to supply wool for the socks, 1 lb. wool making 8 socks?

5. Jones and Smith are farmers. Jones sold last year 200 bush. oats at 38c., 73 bush. peas at 81c., 580 bush. wheat at 95c., 156 bush. potatoes at 29c., 138 bush. barley at 87c. Smith sold 45 sheep at $5, 60 lambs at $3.30, 18 young cattle at $15, 18 large cattle at $29, and 26 tons hay at $19. What sum did each receive?

6. A merchant sold a cargo of wheat valued at $40000 for $\frac{1}{8}$ less than this amount, thus making a profit of only $\frac{1}{6}$ on cost. At what advance on cost was the wheat valued at in the first instance?

PAPER VIII.

1. Find the product of the following numbers:—(1) 987798640×10970. (2) 793289765×40097. (3) 7968×8679. (4) 874598×39076.

2. A shopkeeper bought $9.60 worth of steel pens at 32 cents per box, each containing 12 dozen, and retailed them at 5 cents per dozen. How much did he gain on his outlay?