

7. The product of four numbers is 827658432 ; the first number is 12, the product of the second and third is 144. Find the fourth.

8. The number 8967 is both divisor and quotient of an example in division, and the remainder is the largest possible. Find the dividend.

9. The quotient is 12434, the remainder 2743, and the dividend eighty-seven million nine hundred and eleven thousand one hundred and twenty-three. Find the divisor.

EXERCISE 5

1. A grocer mixed 106 lb. tea costing 38c. per pound, 75 lb. costing 42c. per pound, and 94 lb. costing 45c. per pound, and sold the mixture at 60c. per pound. What was his gain on the whole ?

2. If 24 men do a work in 10 days, and 40 boys do it in 8 days, which will be the cheaper—to get boys to do it at 40c. each a day, or men at 75c. each a day ?

3. How much water must be added to 63 gal. of brandy worth \$4.40 per gallon, in order that the mixture may be worth \$3.60 per gallon ?

4. A coal dealer paid \$965 for coal. He sold 160 t. at \$5 a ton, and then the remainder cost him only \$3 a ton. How many tons did he buy ?

5. A drover bought 247 sheep at \$4.75 each, and 42 more at \$4.80 each ; 8 of them died, and he sold the rest at \$6 each. How much did he gain ?

6. Seven hundred and twenty navvies have provisions for 50 days, but after 20 days an additional number arrive, and the provisions are exhausted in 10 days. Find the number of navvies in the additional number.