Estimate products: word problems

a. Mr. Smith has 5 bags of maize grains. Each bag contains 99,978 maize grains. About how many maize grains are there in all? (Round to the nearest ten-thousand).

b. Mr. Johnson is the manager of a small enterprise. He manages about 25 employees. Each employee takes a salary of $2,495 per month. About how much money will Mr. Johnson withdraw from the bank as salary for his employees? (Round the salary to the nearest thousand).
Estimate products: word problems

a. Mr. Smith has 5 bags of maize grains. Each bag contains 99,978 maize grains. About how many maize grains are there in all? (Round to the nearest ten-thousand).

To solve this problem, let’s multiply 99,978 by 5 to get the total number of maize grains in 5 bags.

99,978 \times 5

Let’s round 99,978 to the nearest ten-thousand.

99,978 \rightarrow 100,000

We have 100,000 \times 5 = 500,000

So, about 500,000 maize grains are in 5 bags.

b. Mr. Johnson is the manager of a small enterprise. He manages about 25 employees. Each employee takes a salary of $2,495 per month. About how much money will Mr. Johnson withdraw from the bank as salary for his employees? (Round the salary to the nearest thousand).

To solve this problem, let’s multiply $2,495 by 25 to get the total amount of money Mr. Johnson will withdraw from the bank.

$2,495 \times 25

Let’s round $2,495 to the nearest thousand.

$2,495 \rightarrow $2,500

We have $2,500 \times 25 = $62,500

So, Mr. Johnson will withdraw about $62,500 from the bank.