

Learning Outcome:

Solve multi-step word problems which involve estimation. 4.0A.A.3

Roby invites his friends to celebrate his success. He plans to serve them pizzas. Help him to procure the ingredients.

1	78 grams of dough is required for che special pizza. (Round off to the neare	-)	·
	Dough used for cheese pizza (grams)		Actual value =	Estimated value
	Dough used for Roby's special pizza ((grams)	=	
2	Roby bought eggs for \$81 and chicke	n for \$8		
	Money spent on eggs (\$)	=	Actual value	Estimated value
	Money spent on chicken (\$)	=		
3	There are 123 grams and 231 grams amount of flour. (Round off to the ne		•	s. Estimate the Estimated value
	Quantity in the first box (grams)	=	Actual Value	
	Quantity in the second box (grams)	=		
4	Roby spends \$143 on vegetables, \$3 the money spent. (Round off to the n		nundreds.)	
	Money spent on vegetables (\$)	=	Actual value	Estimated value
	Money spent on cheese (\$)	=		
	, ·			
	Money spent on sauces (\$)	=		
	Estimated amount spent (\$)	=	+ +	

Roby estimates that 9 slices of pizza are needed per person. Estimate the number of slices required for 10 guests. (Round off to the nearest tens.)

Actual value Estimated value

Number of slices per person





Estimated number of slices for 10 guests =



10



Learning Outcome:
Solve multi-step word problems which involves estimation. 4.OA.A.3

Roby's restaurant started receiving huge orders. Here are the dishes that need to be prepared. Answer the following questions and help Roby estimate the quantities.







(rains of toppings. Estimate the total	ai aiiiou	nt of ingre	grams of dough, and 86 dients needed.
	Round off to the nearest hundreds.)		
	Estimated amount of cheese (grams)	=		Draw estimations on the number line.
	Estimated amount of dough (grams)	=		
	Estimated amount of toppings (grams)	=		
	Total amount of ingredients (grams)	=		
į	A carton of spaghetti contains 108 s needed for one serving. Is he cor	rect in e	estimating	
(Draw estimations on the number line.
	10 grams of chicken costs \$9, estimates a chicken. (Round off to the			required for buying 149
				Draw estimations on the number line.
				Draw estimations on the number line.
				Draw estimations on the number line.
E	or every 100 servings of any dish, t stimate the loss of ingredients for a 13 servings of spaghetti. (Round of	a week i	f they sold	grams of ingredients. I 303 servings of pizza and
E	stimate the loss of ingredients for o	a week i	f they sold	grams of ingredients. I 303 servings of pizza and

Thanks to you, Roby is running a good business.

Learning Outcome:

Solve multi-step word problems which involves estimation.

4.OA.A.3

Roby wants to expand his business. Here are the costs of expansion in different cities. Estimate the budget.

REQUIREMENTS	IMPHOR	MYPOS	PETORIA
Rent (per m²)	\$9	\$10	\$11
Furnishing (per m²)	\$9	\$29	\$21
Decor (per m²)	\$19	\$31	\$11
Equipment (per m²)	\$32	\$18	\$51

Estimate the budget by rounding off the rates to the nearest tens. A good restaurant requires an area of $100\ m^2$ - $200\ m^2$.

Selected city:
Estimated area (m²) =
Estimated rent (\$) =
Estimated cost of furnishing (\$) =
Estimated cost of decor (\$) =
Estimated cost of equipments (\$) =
Estimated budget (\$) =

Now, he's ready to build his restaurant with this budget.

