



Maths is all around us: shopping and eating out



SHOPPING PROBLEM 1

Collect the supermarket 'specials' flyers from the newspaper. Get your child to round up the prices to the nearest whole rand. For example if something is R15.79, round up to R16, R34.99 to R35 and so on. Get them to write the rounded prices on the pages. Give them a shopping list and have them **estimate** how much the shopping will cost.

SHOPPING PROBLEM 2

As you shop together, use the same idea of rounding the prices up to the nearest whole rand. As you put things into your shopping basket, get your child to keep an estimated running total of the goods. When you get to the cashier, have your child check their estimate against the actual total. Discuss any differences.



MAKE IT COUNT

We continue our theme of **Maths is all around us**. Shopping, eating out and getting take aways present great opportunities to use maths, especially for developing mental strategies for estimating the cost of purchases. We give some ideas for using maths in these situations.

Next week we will share some news with you about after school maths clubs that we have been running in Grahamstown and the surrounding areas. If you have found these resources useful and exciting, please mention them to others. They can be downloaded from:

www.grocotts.co.za/blogs/ukufunda

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Collect menus from take away restaurants or from the newspaper. When it is time to order a take away, get your child to work out how much your take away meal will cost.

TUCK SHOP ANSWERS

- Cans 3 x R5 = R15, Hot dogs 2 x R10 = R20, Burger 1 x R12 = R12. TOTAL R47. R3 change from R50
- You can buy 15 brownies with R30 (R30 divided by R2)

TUCK SHOP PROBLEM 1

I buy 3 cans of drink, 2 hot dogs and 1 burger from the tuck shop. How much will this cost? If I pay with a R50 note, how much change will I get back? Show how you worked this out.

TUCK SHOP PROBLEM 2

Your friend gives you R30 and asks you to buy as many Brownies as you can. How many Brownies can you get? Show how you worked this out.

TUCK SHOP PROBLEM 3

You and your friend have R60 to spend at the tuck shop. Get some hot food and a drink for each of you. Write down what you order and how much it costs. Will you have any money left over?

Tuck Shop Menu

Drinks	
Cans	R5
Bottles	R8
Milkshakes	R6
Snacks	
Chocolate Bar	R4
Crisps	R5
Fizzer	R2
Brownie	R2
Crunchie	R3
Hot Food	
Burger	R12
Hot Dog	R10
Small Hot Chips	R5

TUCK SHOP

EATING OUT @ THE SEAFOOD RESTAURANT

What is the most expensive item on the menu? The cheapest?

Find quick, mental ways to work out what 3 plates of 12 queen sized prawns would cost. What about 2 large seafood pizzas?

seafood Restaurant specials Menu

All Mains served with chips or rice or salad

STARTERS		MORE PRAWNS	
Calamari	R25	12 Queen sized	R99
Mussels	R25	24 Queen sized	R190
MAINS		PLATTERS	
Hake	R35	Platter for 1	R79
Calamari	R45	Platter for 2	R145
Sole	R55		
PRAWNS		PIZZA and PASTA	
12 standard	R55	Medium Seafood	R45
24 standard	R95	Large Seafood	R59
		Seafood Pasta	R35

FAMILY OUTING

- You are going out with your family for dinner. There are 4 of you.
- You have R300 to spend altogether.
- What can you order from this menu so that you each have a meal?
- Write down your order and add it up.
- Will you have any change from R300?

PARENTS BIRTHDAY

- 2 adults go out to dinner for a birthday celebration.
- From this menu they order:
 - A calamari starter each, hake and 24 standard prawns.
 - How much do they spend on food?

Next week:
After school
maths clubs

