



Po Kok Primary School
Primary Six
2014-2015 Second Term
Mathematics Quality Assignment
- Project

Name : Muskan (10)

Class : P.6 (A)



Po Kok Primary School

2014-2015

Mathematics Project

Theme : Our tuck shop

優良
Excellent

Class : P.6 (A)

Mark : 92

Name : Muskan (10)

Date : 10th June, 15

Learning objectives :

1. Solve problems on discount.
2. Use π to calculate circumference.
3. Observe and make broken line graphs. Estimate the trends of the data.

Learning area : Numbers, measures, shapes and space, data handling.

(A) Design a cover for the content. (10%)



If you and your classmates open a tuck shop at school, who will you co-operate with?

Fill in the information below:

(B) General Information (4% @2%)

1. Name of the tuck shop: Snackmania
2. Style of the tuck shop: SNACK
3. Partner(s): Huskan, Tshomo, Dichya, Jessica, Lean

(C) Marketing (15% @1%)

Start a tuck shop with 3 to 4 partners. Interview other classmates and decide what food you will sell in the tuck shop. Please set the prices.

	Snacks	Price	Drinks	Price
1.	Waffles	\$13	Mountain Dew	\$8.5
2.	Maltesers	\$7	Coke	\$8.5
3.	Chicken drumstick	\$12	Fanta	\$8.5
4.	ice-cream	\$6	Sprite	\$8.5
5.	Nutella sandwich	\$9	Water	\$3.6
6.	Choong fan	\$11	Milk	\$4
7.	Siu mei	\$6	Milkshake	\$4.5
8.	fish balls	\$6	Magu Magu	\$6.9
9.	Lays	\$3	Grape Juice	\$7
10.	Biscuits	\$5	Orange Juice	\$7
11.	Potato chips	\$5	Apple Juice	\$7
12.	Kit Kat	\$9.9	Mango Juice	\$7
13.	Marsh mallo	\$10	Soya Milk	\$5
14.	Banana	\$7	Yakult	\$5
15.	Granola	\$10	Tup	\$8.5

(D) Lucky draw (25% @5%)

The school term is coming to an end.
The tuck shop is having a clearance
sales. You can get a lucky draw card for
any purchase of \$20 or more.



-5

	Name of the food	Original price(s)	Discount	Selling price(s)
1.	nutella sandwich	\$9	5%	\$8.6
2.	Siu mai	\$6	7%	\$5.6
3.	Fish balls	\$6	8%	\$5.2 X (5.5)
4.	7 up	\$8.5	30% 10%	\$6 \$5.9
5.	Mountain Dew	\$8.5	20%	\$6.8

(E) The biggest circumference of the food (26% @2%)

Do you know which food in the tuck shop is round and its circumference is the biggest? Try to draw these three circles and compare.



Food A : Biscuits

Diameter: 4.8 cm

Circumference: 14.1 cm (15.072 cm)

Food B : Mal teasers

Diameter: 2.7 cm

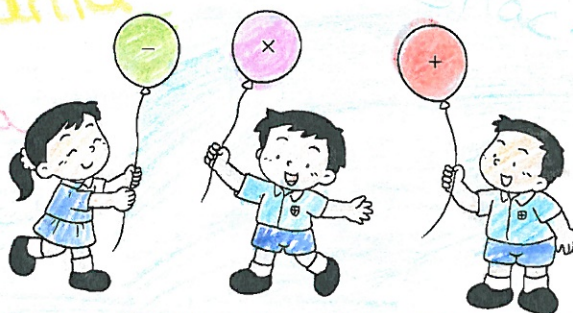
Circumference: 8.478 cm

Food C : Waffles

Diameter: 6 cm

Circumference: 18.84 cm

Conclusion: In three kinds of food, the circumference of C is the longest. The circumference of B is the shortest.



(F) Record the sales

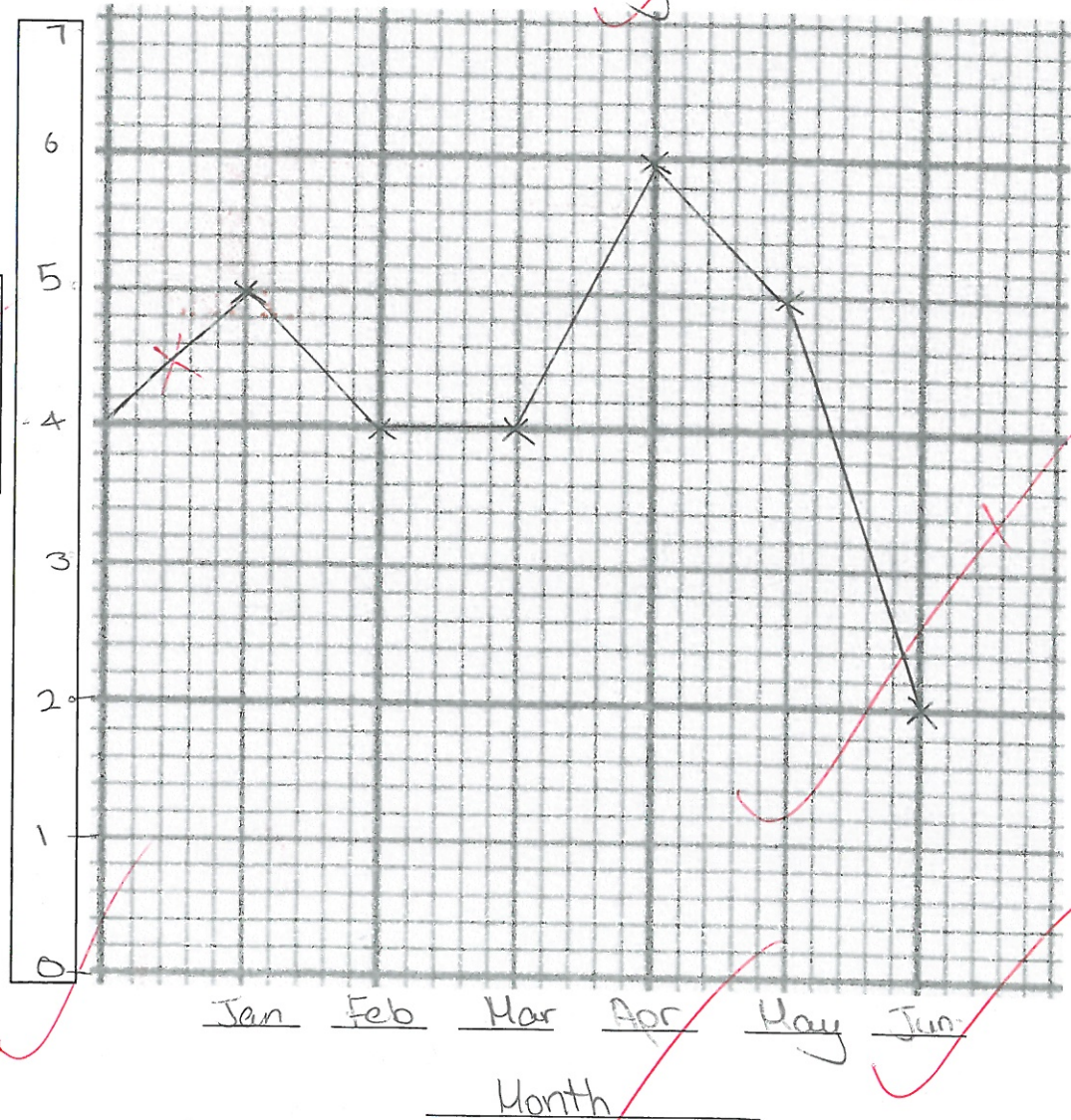
(1) Please make a broken line graph according to the sales in the first half year. (10%)

Month	January	February	March	April	May	June
Sales(dollars)	45998	39786	39889	59987	49850	15980
Rounded off to the nearest ten thousand (dollars in ten thousands)	5	4	4	6	5	2

(2) Please make a broken line graph according to the sales in the first half year. (10%)

Title: The sales in the first half year.

Sales
(dollars in
ten thousands)



Data analysis:

Evaluate the business of the tuck shop and predict the trend of the sales of tuck shop in the coming month. Give reason(s).

The trend will decrease because it will be summer holidays in July and students will only come for the summer activities.

Mathematics project student self-evaluation form

Class : P.6(A)

Name : Muskan (10) Date : 11-6-15

To assess your overall performance in the project by ticking the appropriate box ☒ in each of the following dimensions.

	Subject Knowledge	😊	😐	☹
1	Understand the topic well	✓		
2	Enhance knowledge of related subject areas	✓		
3	Apply Mathematical knowledge to the project study	✓		

	Research process and result	😊	😐	☹
1	Can search information from different sources	✓		
2	Can apply Mathematics knowledge in daily life	✓		
3	Enhance your observation power	✓		
4	Enhance your creativity	✓		

	Learning attitude	😊	😐	☹
1	Participate in the learning actively	✓		
2	Interested in the research activities	✓		
3	Be able to finish the project on schedule	✓		

Parent's comments: Well done !

Parent's signature: Paula / Gm