

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

Name : Jessica (14)

Class : P.6 (B)



Po Kok Primary School

2014-2015

Mathematics Project

Theme : Our tuck shop

Class : P.6 ()

Mark : 94.5 ≈ 95

Name : _____ ()

Date : 23/6

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: Fun Tuck shop
2. Style of the tuck shop: Cartoon
3. Partner(s): Rebica, Anoushka, Prashanta

(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.	Biscuits	\$4	Orange juice	\$5.10
2.	Hot Dog	\$6	Fanta	\$3
3.	Doughnut	\$5	Coke	\$2
4.	chips	\$20	Pepsi	\$3
5.	Sandwiches	\$9	Smoothie	\$5
6.	chocolate	\$8	Milk shake	\$5.10
7.	chicken wings	\$3.50	Apple juice	\$5
8.	Ham burger	\$10.30	7up	\$6
9.	Ice-cream	\$5	Slurpee	\$3
10.	Onion Rings	\$20	Sprite	\$3
11.	French Fries	\$5	lemon tea	\$4
12.	Apple pie	\$20	Lucozade	\$5
13.	Noodles	\$8	Sunkist	\$4
14.	cake	\$20	Mountain Dew	\$3
15.	cupcake 6(pcs)	\$6.30		

(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.



	Name of the food	Original price(s)	Discount	Selling price(s)
1.	Onion Rings	\$20	10%	\$50% (\$18)
2.	cake	\$40	20%	\$32
3.	Chips	\$20	10%	\$18
4.	Apple pie	\$40	20%	\$32
5.	chicken wings	\$60	30%	\$21

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

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



Food A : Biscuits

Diameter: 2 cm

Circumference: 6.28 cm

Food B : Onion Rings

Diameter: 4 cm

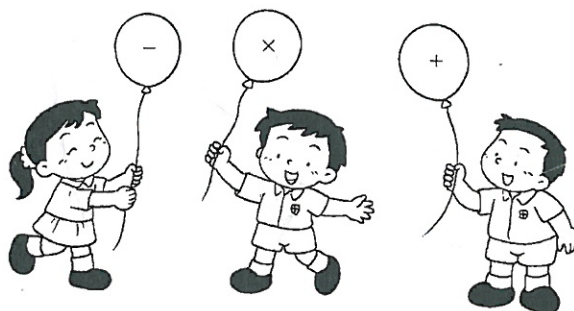
Circumference: 9.52 (12.36) (cm)

Food C : Chips

Diameter: 6 cm

Circumference: 13.70 (18.84) (cm)

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



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(F) Record the sales

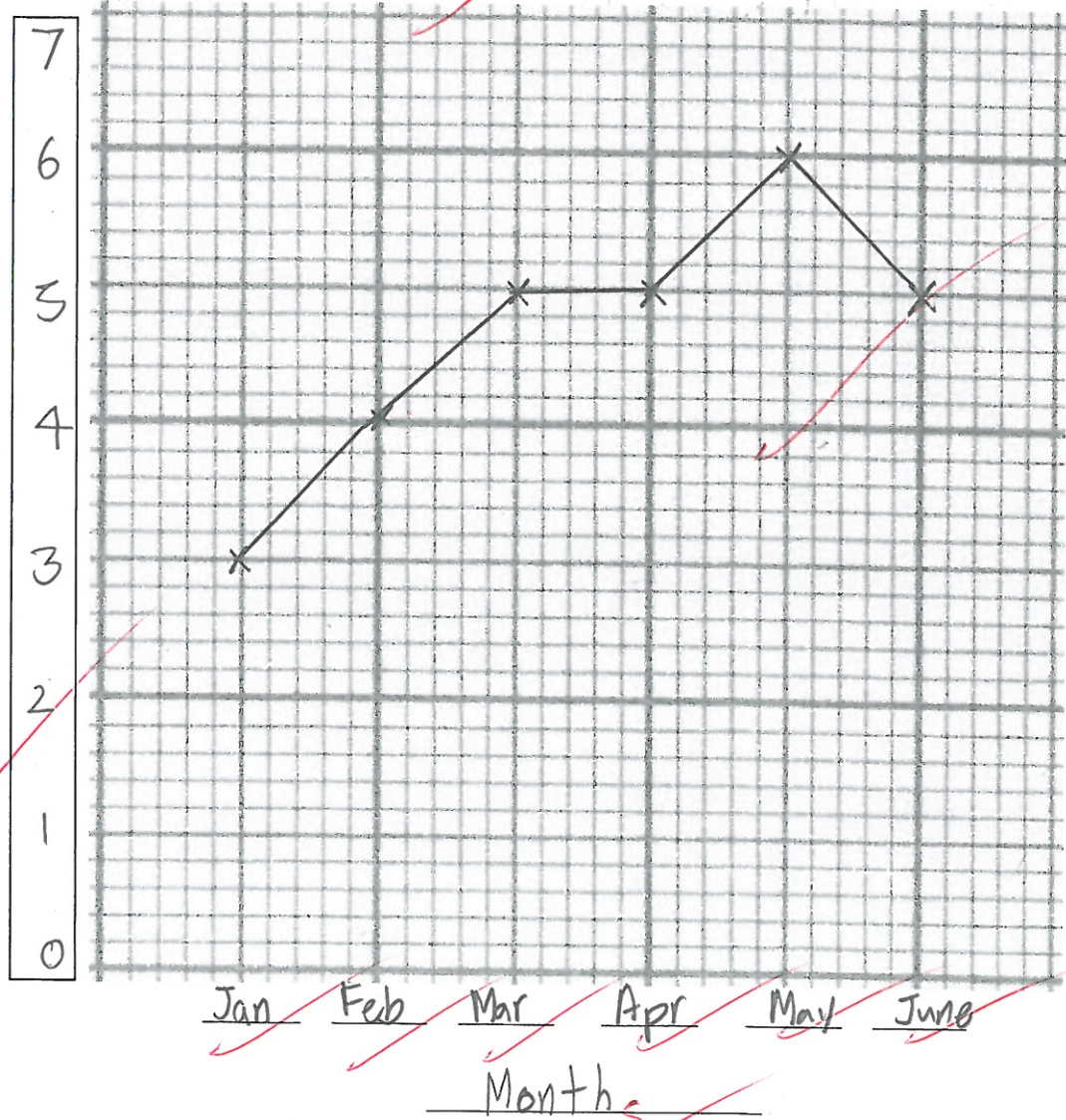
(1) Please make a broken line graph according to the sales in the first half year. (10%)

Month	January	February	March	April	May	June
Sales(dollars)	29000	37000	46000	51000	57000	49000
Rounded off to the nearest ten thousand (dollars in ten thousands)	3	4	5	5	6	5

(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)
Rounded off to
the nearest ten
thousand



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). -0.5

The business of the tuck shop is decreasing because
summer holiday is coming.

Mathematics project student self-evaluation form

Class : P.6()

Name : Jessica Rai () Date : 24-06-'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: She is very poor.

Parent's signature: Ri