Po Kok Primary School

Primary Six

2014-2015 Second Term

Mathematics Quality Assignment - Project

Name : _Iqra_ (2)

Class : P.6 (A)

優 良
Excellent

95

Class : P.6 (A)

Mark : _____

Name : Iqra _____ (2)

Date : 10 - 6 - 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%)

Awesome 5's Tuck Shop

Ice-Cream | Drinks | Chips

Who doesn't ♥ FOOD!

Drink

Chips

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: Awesome 5's Tuck Shop

2. Style of the tuck shop: Different countries yummy snacks/drinks

3. Partner(s): Chima, Mehreen, Nanita, Roje

(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.	Smores (2)	$16.10	Orange juice	$7.20
2.	Berry tart	$10	Apple juice	$6
3.	Cookies (5)	$10	7-up	$5
4.	Churros	$22	Coke	$10.50
5.	Chocolate covered strawberries (3)	$12.20	Cream Soda	$9
6.	Capin Sun	$5	Pocari Sweat	$11
7.	Burger	$12	CC. Lemon	$8.50
8.	Pizza (1 slice)	$20.30	Water	$9
9.	Samosa	$4	Grape juice	$6.50
10.	Donut	$8.20	Coffee	$21.10
11.	Garlic Bread	$3	Tea	$11.50
12.	Gummy Bears	$7.50	Hot chocolate	$15
13.	Hi-chew (5)	$5	Yakult	$3.50
14.	Chips	$6	Mango juice	$8
15.	Granola Bars (1)	$6.90	Lemon tea	$11.10

(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.
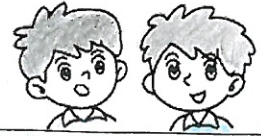
−5

	Name of the food	Original price(s)	Discount	Selling price(s)
1.	Cookies (5)	$10	5%	$9.5 ✓
2.	Hot chocolate	$11.5	(50% ✓) 5% ✗	$7.5
3.	Capri Sun	$5	50%	$2.5 ✓
4.	Berry tart	$10	25%	$7.5 ✓
5.	Chips	$6	50%	$3 ✓

3

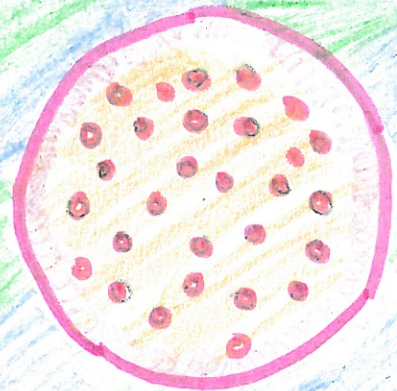（E）The biggest circumference of the food (26% @2%)

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.
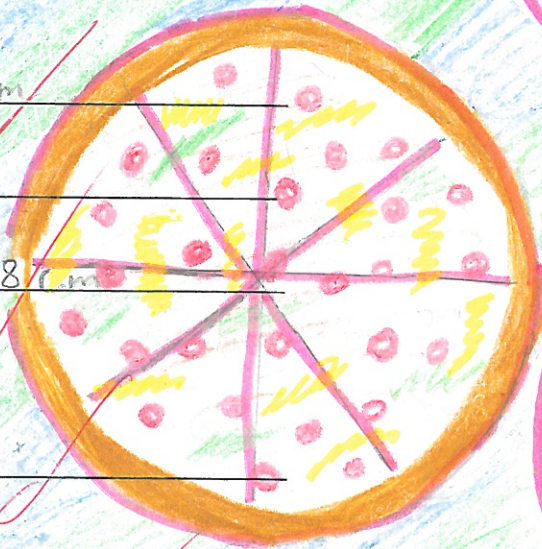
Food A : Biscuits

Diameter: 5 cm

Circumference: 15.7 cm

Food B : Pizza cm
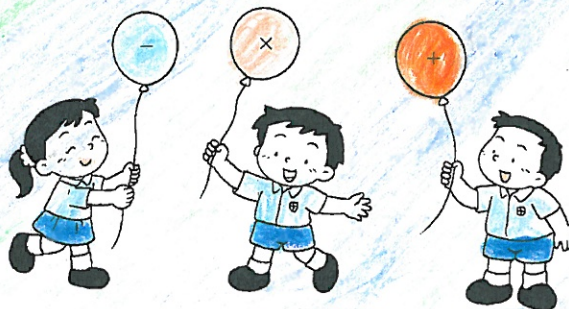
Diameter: 7 cm

Circumference: 21.98 cm

Food C : Donuts

Diameter: 6 cm

Circumference: 18.84 cm

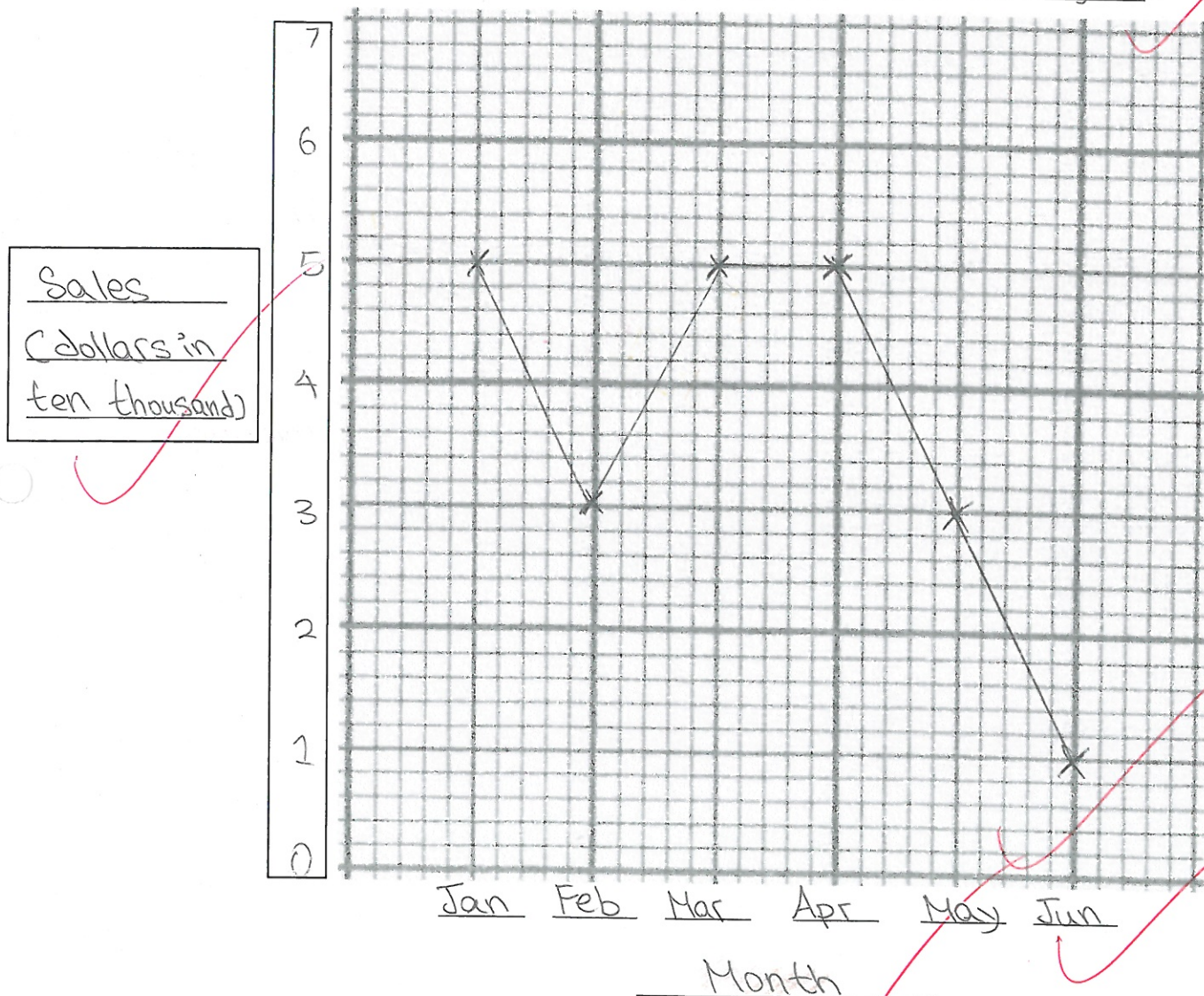Conclusion: In three kinds of food, the circumference of __B__ is the longest. The circumference of __A__ is the shortest.

(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)	46 965	30 985	51 301	45 379	31 963	12 300
Rounded off to the nearest ten thousand (dollars in ten thousands)	5	3	5	5	3	1

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

Title: The sales in the first half of the year

Sales
(dollars in ten thousand)

Month

5

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

In the coming month, the trend of the sale of the tuck shop will be decreasing in the coming month because summer holidays are coming.

Mathematics project student self-evaluation form

Class：P.6(A)

Name：___Iqra___ (2) Date：_____

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: ___Good job!___

Parent's signature: _____

7