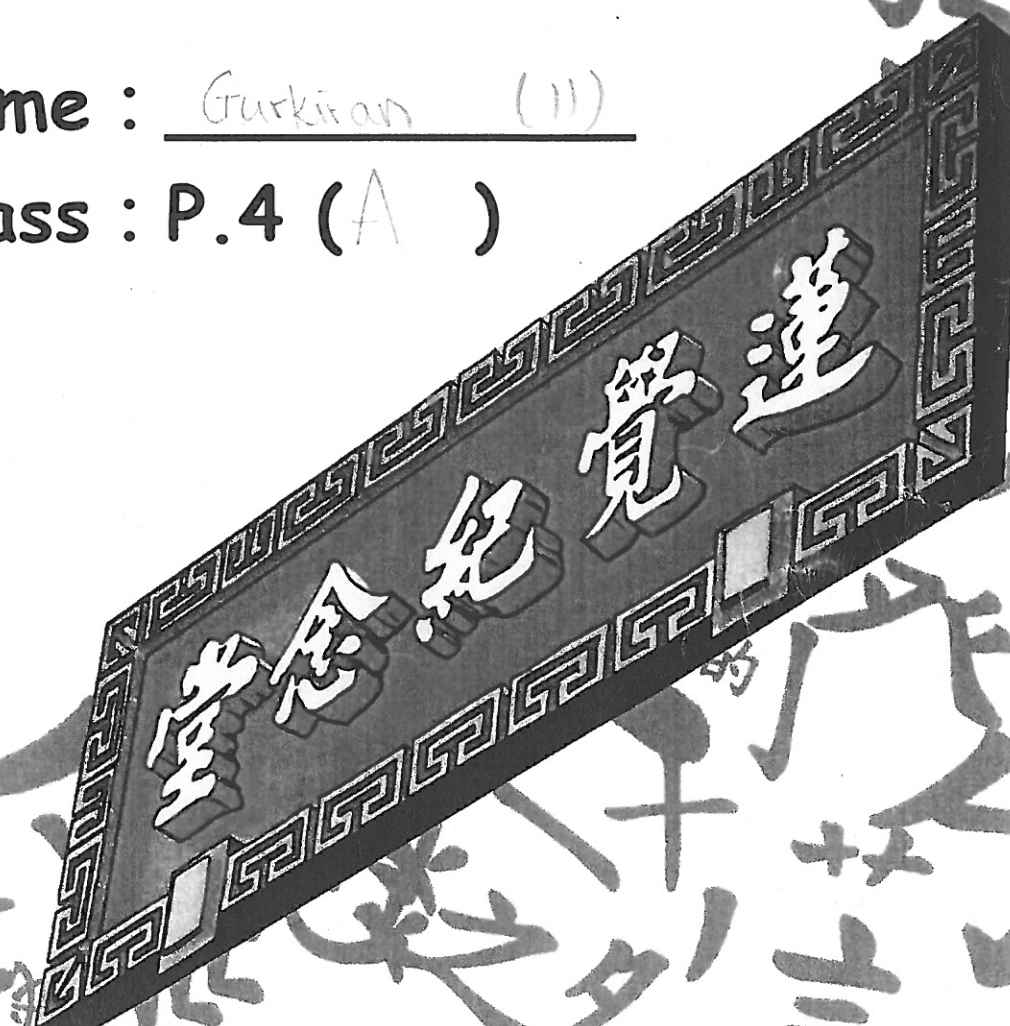# Po Kok Primary School
Primary Four

2014-2015 Second Term

Mathematics Quality Assignment

- Project

Name : _Gurkiran_ (1)

Class : P.4 (A)

Po Kok Primary School
2014-2015
Mathematics Project
Theme: Mother's day

Class: P.4 (   )

Name: _____ (   )

Mark: _____

Date: _____

Learning Objectives：

1. Pupils can use decimals to record data in daily life.

2. Pupils can make symmetrical shapes based on their characteristics so as to develop creativity.

3. Pupils can solve daily life problems using the formula for finding the area of rectangles.

4. Pupils can make bar charts and analyze the results.

Dimension: Shape and space, Number, Measures, Data handling.

(A) Design a cover which is relevant to your project in the space provided below. (10%)
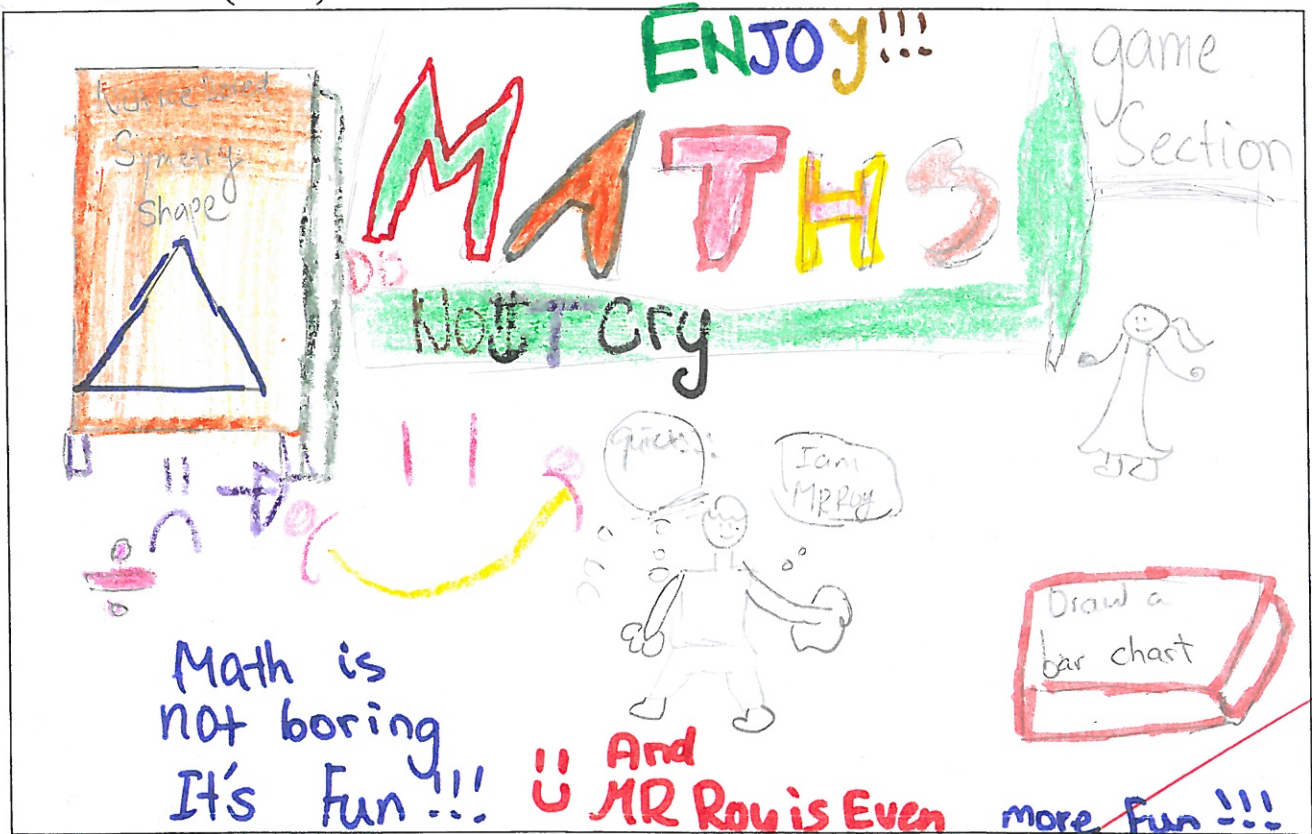
(B) To celebrate mother's day, Tim invited his mum to Pizza Hut to enjoy their dinner. Tim's father has a pizza card, he can get discount.

Here is the menu. Can your use decimals to show the prices? (14% @2%)

Mother's day menu	Special price	Price in decimal
Pan Pizza (large)	86 dollars and 40cents	$86.4
Prime Baby Back Ribs with Garden Salad	44 dollars and 10cents	$44.1
The Euro Snack Platter	48 dollars and 50 cents	$48.5
Strawberry Smoothies	28 dollars and 30 cents	$28.3
Supreme Prawn & Fruit Salad	48 dollars and 60 cents	$48.6
Seafood Spaghetti in Sicilian Soup	54 dollars and 20 cents	$54.2
Crispy Apple Roll with Vanilla Sauce	27 dollars and 80 cents	$27.8

1. Arrange the price of the food in order from the cheapest to most expensive. (5%)

$ 27.8 _ <$ 28.3 <$ 44.1 <$48.5 < $48.6 < $54.2 < $86.4

86.4   48.6

2. If father ordered one Pan Pizza (large), one Supreme Prawn & Fruit Salad and one Seafood Spaghetti in Sicilian Soup, how much did he need to pay? (4%)

86 dollars and 40 cents + 48 dollars and 60 cents +
54 dollars and 20 cent

= 24.10+ 54 dollars and 20 cents ✗

= 189 dollars and 20 cents.
      he need to pay $189 dollars and 20 cents

| $	¢
86	40
48	60
24	10
54	20
78	30

2

(-1)

(C) Make three symmetrical shapes as instructed.

Draw 3 symmetrical shapes on each piece of squared paper for your mother as a mother's day gift. Two shapes with one line of symmetry, one shape with two lines of symmetry. (24% @8%)
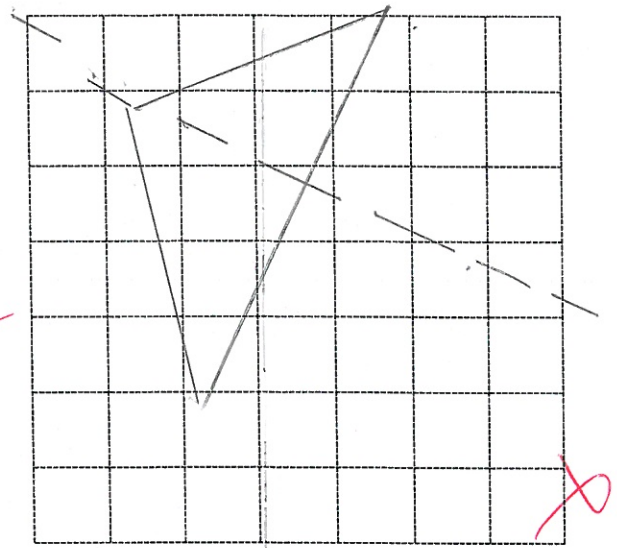
You can browse these websites to get more information related to symmetry.

1. http://www.linkslearning.k12.wa.us/kids/1_math/2_illustrated_lessons/4_Line_Symmetry/index.html
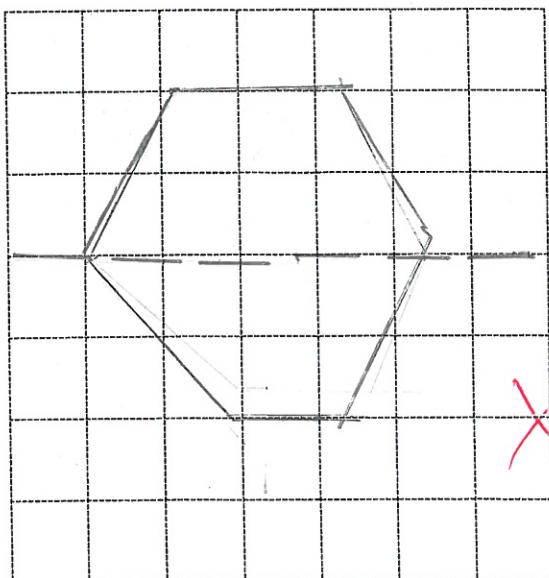
2. http://www.adrianbruce.com/Symmetry/

1. One line of symmetry
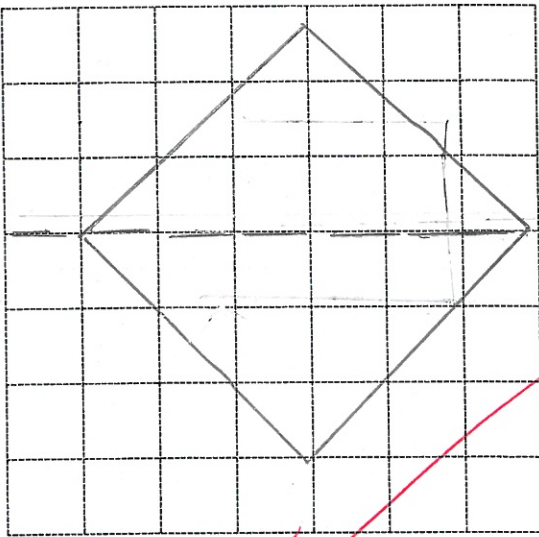
2. One line of symmetry

3. Two lines of symmetry

(D) Design a puzzle for your mother and calculate the area of this puzzle. (20%)

1 cm

1 cm

my

I

mom
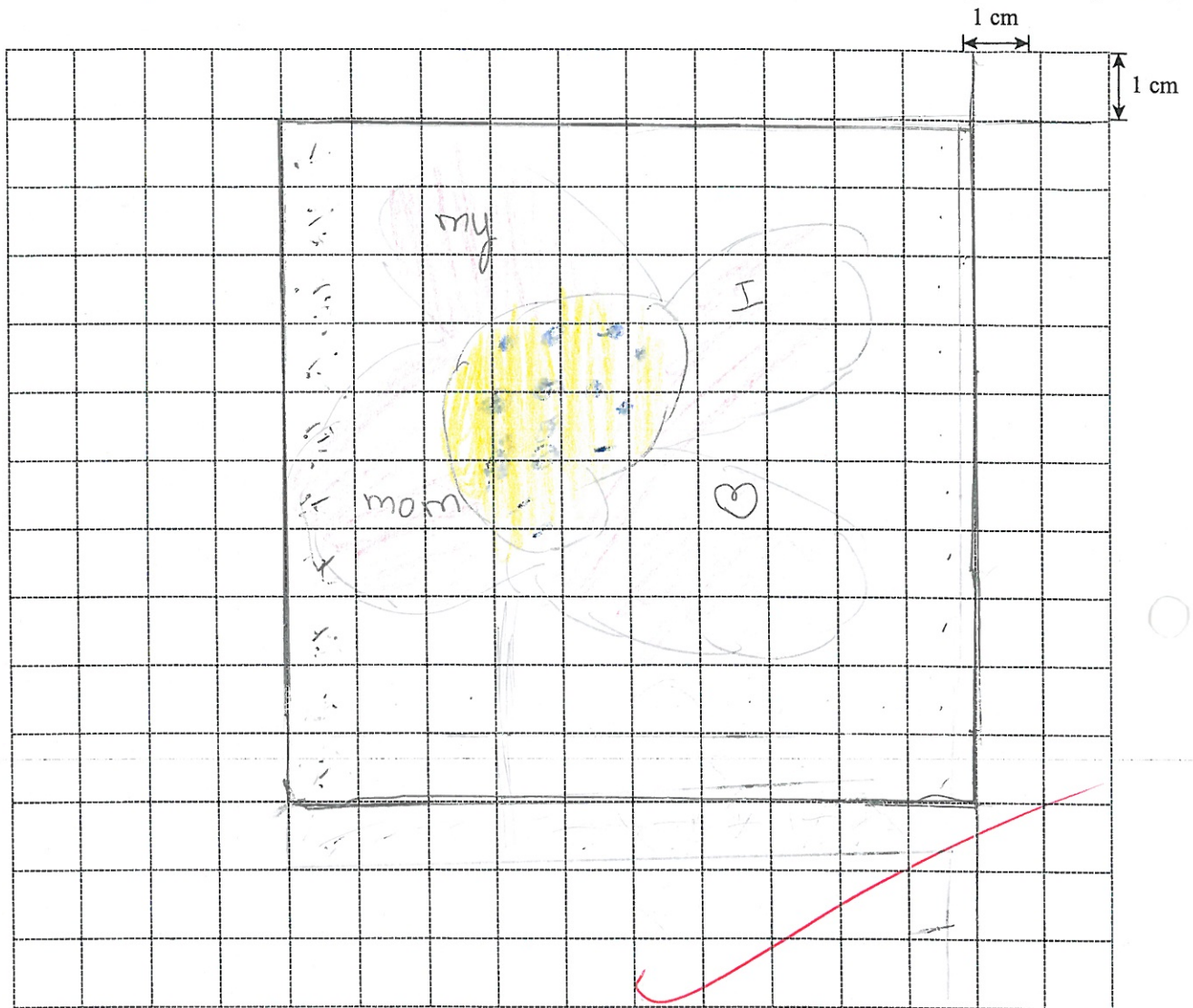
1. Each row has _____10_____ pieces of puzzle.

2. Each column has ___10___ pieces of puzzle.

3. The length of the puzzle is ___10___ cm.

4. The width of the puzzle is ___10___ cm.

5. The area of this puzzle is ___100___ cm²

(E) On mother's day, did you send a gift to your mum? Interview your classmates to see what the most popular mother's day gift was.

Complete the table below. (5%)

Kind of gifts	Flower	Cake	Card	Chocolate	Wallet
Number of pupils	3	4	9	6	2

Make a bar chart using the results above. (10%)

Title: _The most popular mother's day gift._
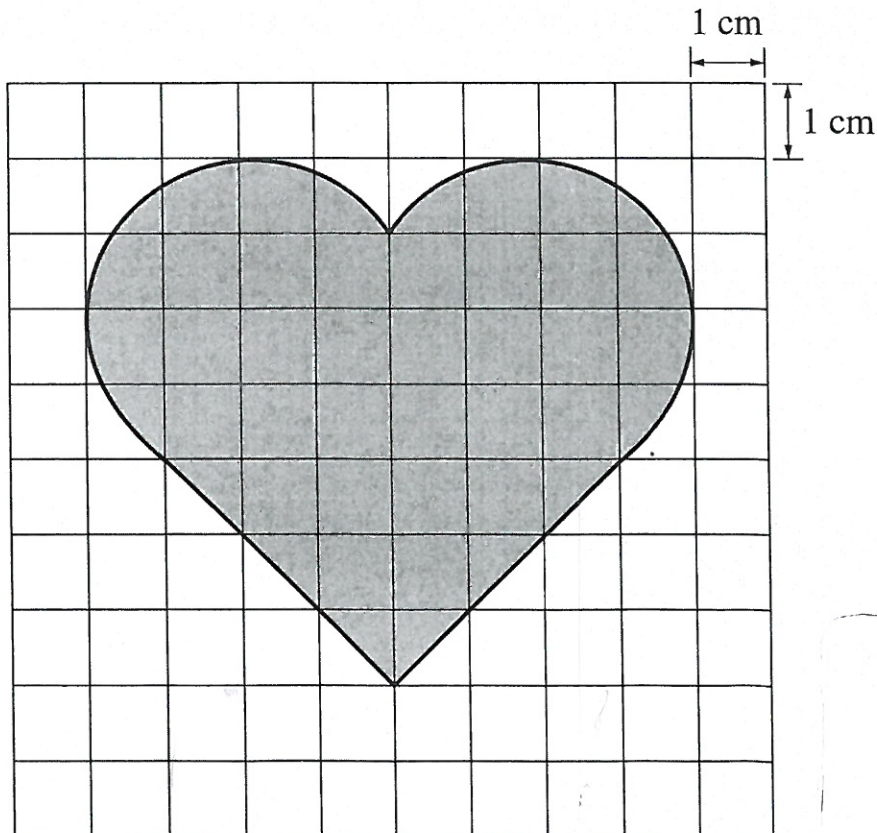
Number of students

Kind of gifts

5

Read the bar chart above and fill in the blanks. (8% @1%)

1. The most popular mother's day gift in P.4 was ___Card___.
   ___9___ students chose it.

2. The least popular mother's day gift in P.4 was ___wallet___.
   ___2___ students chose it.

3. ___4___ students chose cake as the mother's day gift.

4. ___5___ more students chose ___Card___ instead of ___Cake___ as a mother's day gift.

Reference of symmetry

1 cm

1 cm

6

Mathematics project student self-evaluation form

Class：P.4 (   )

Name：_____ (   )   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!!! keep it up_____

_____

Parent's signature: ___SUKHJIT_____