HENRY PARK PRIMARY SCHOOL
2009 SEMESTRAL EXAMINATION I
MATHEMATICS
PRIMARY 4

100

Name: _____ ( )

Class: Pr 4_____ Parent's Signature _____

Duration of Paper: 1 h 45 min

Section A : (15 x 2 marks = 30 marks)
Read each question carefully. For each question, there are 4 options given. Choose the correct answer (1, 2, 3 or 4) and shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. In 58 037, the digit '8' is in the _____ place.

(1) tens
(2) hundreds
(3) thousands
(4) ten thousands ( )

2. 1300 x 25 = 1300 x [ ] + 1300 x 5

What is the missing number in the box?

(1) 5
(2) 13
(3) 20
(4) 30 ( )

3. Express $6\frac{4}{5}$ as an improper fraction.

(1) $\frac{24}{5}$

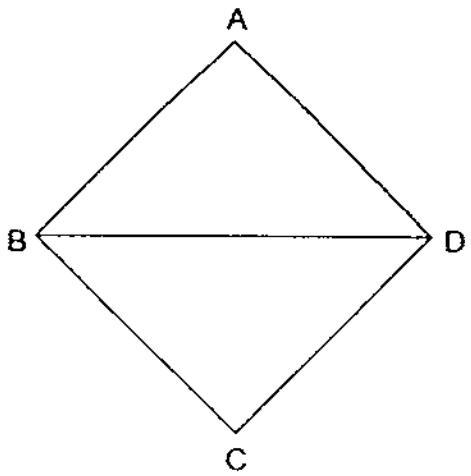
(2) $\frac{29}{5}$

(3) $\frac{30}{5}$

(4) $\frac{34}{5}$

( )

4. ABCD is a square. Find the value of $\angle CDB$.



(1) 30°

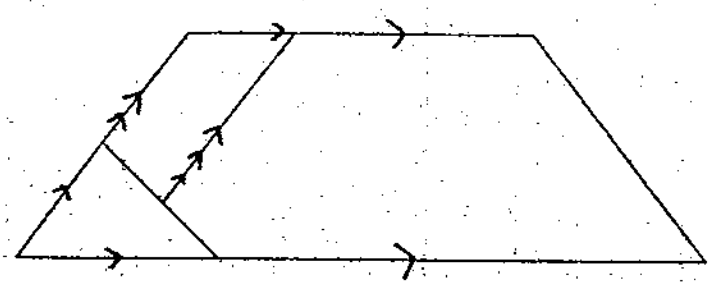
(2) 45°

(3) 60°

(4) 90°

( )

5.

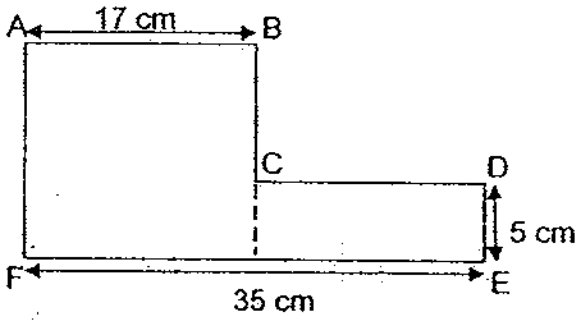


How many pairs of parallel lines are there in the figure shown above?

(1) 1
(2) 2
(3) 3
(4) 4

( )

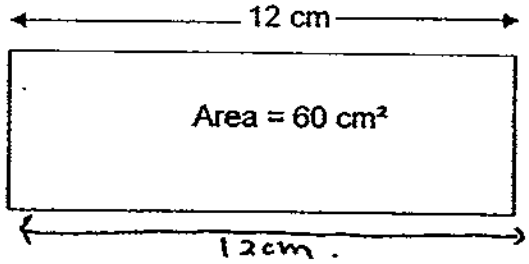
6. The figure is made up of a square and a rectangle. Find the length of BC.



(1) 12 cm
(2) 13 cm
(3) 17 cm
(4) 18 cm

( )

7. What is the breadth of the rectangle shown below?



(1) 5 cm
(2) 18 cm
(3) 36 cm
(4) 48 cm

( )

8. Which of the following is a factor of both 60 and 76?

(1) 6
(2) 5
(3) 3
(4) 4

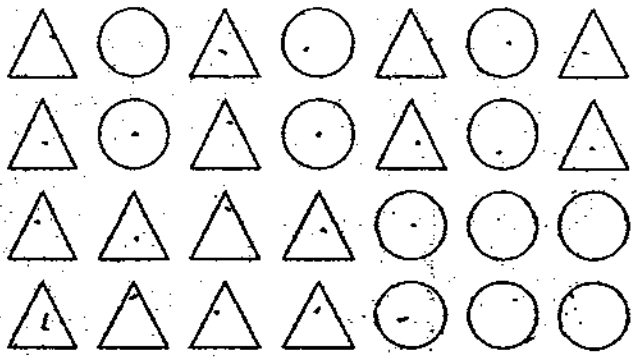
( )

9. Jaron sold 384 pens every month. How many pens did he sell in a year?

(1) 1242
(2) 1352
(3) 3408
(4) 4608

( )

10. What fraction of the shapes are circles?



(1) $\frac{1}{2}$

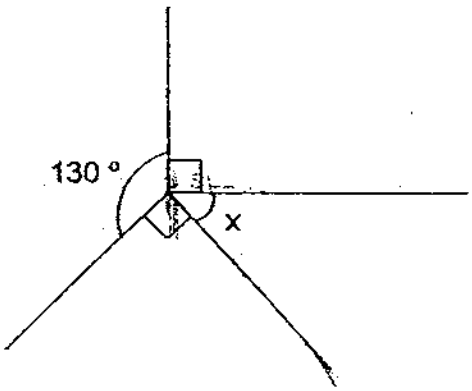
(2) $\frac{3}{4}$

(3) $\frac{3}{7}$

(4) $\frac{4}{7}$

( )

11. Find the value of $\angle x$ in the figure shown below.



(1) 30 °

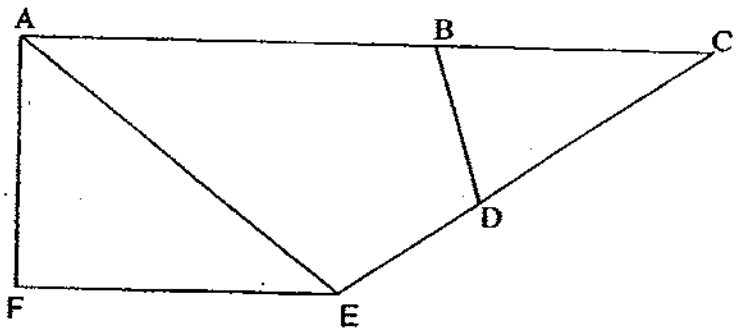
(2) 45 °

(3) 50 °

(4) 60 °

( )

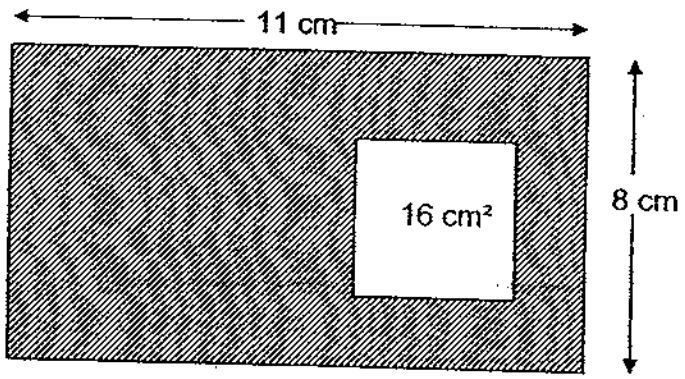
12. In the figure shown below, which line is perpendicular to EF?



(1) AC
(2) AF
(3) BD
(4) EC

( )

13. The figure is made up of a rectangle and a square of area 16 cm². What is the area of the shaded part?



(1) 22 cm²
(2) 24 cm²
(3) 72 cm²
(4) 88 cm²

( )

14. Joseph had 2616 marbles. After giving some marbles to his 6 friends, he had 210 marbles left. If each friend received the same number of marbles, how many marbles did each friend receive?

(1) 401
(2) 436
(3) 471
(4) 1260

( )

15. $\frac{2}{3}$ of the beads in a basket were red and the rest were white. If there were 18 red beads, how many beads were there in the basket altogether?

(1) 9
(2) 27
(3) 45
(4) 90

( )

NAME: _____( )

CLASS: _____

Section B : (20 x 2 marks = 40 marks)
Read the questions carefully and write the correct answer in the boxes provided.
Show all workings clearly.

16. Write 49.712 in words.

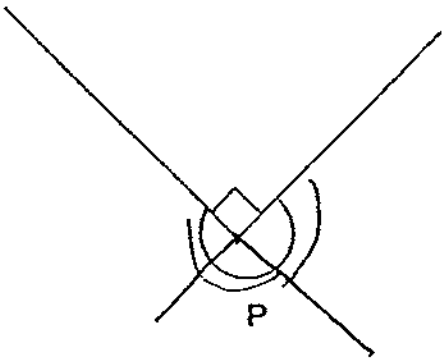
17. Find the product of 638 and 7 tens.

18. How many sixths are there in $5\frac{2}{3}$?

sixths

19. Find the value of $7 - \frac{3}{4} - \frac{1}{8}$. Give the answer in the simplest form.

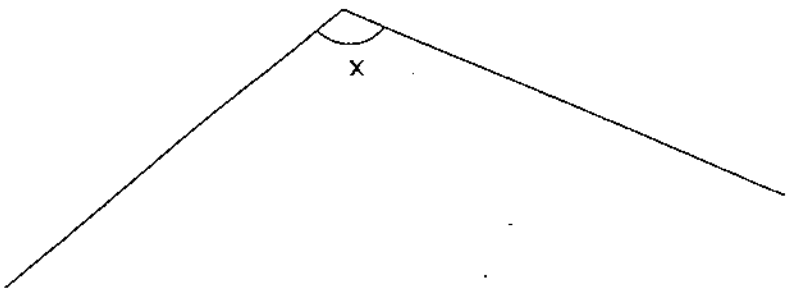
20.



In the figure above, ∠P is made up of ____?____ right angles.

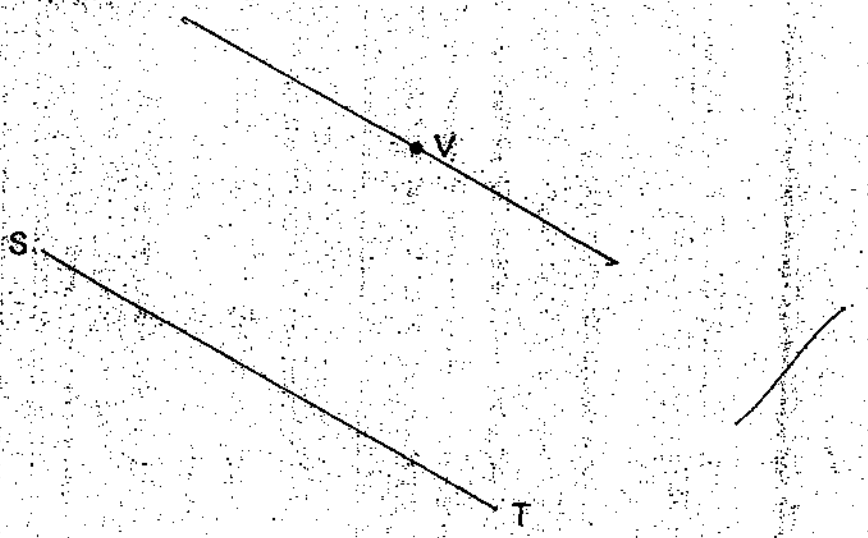
right angles

21. Measure and write down the value of ∠x.

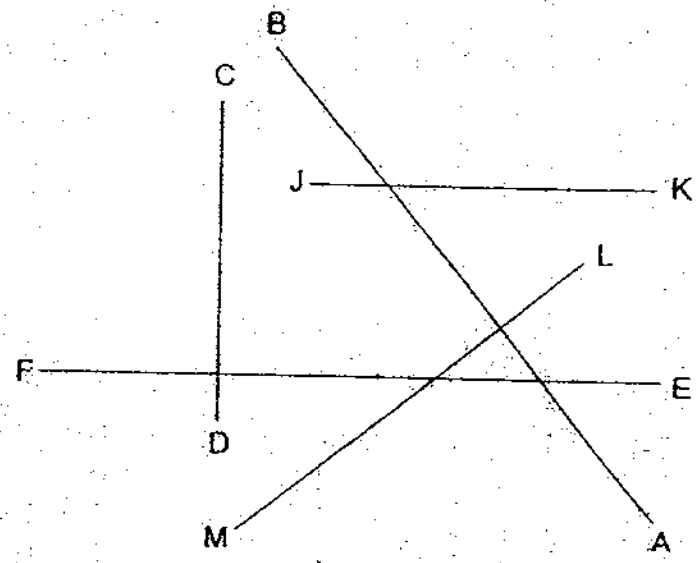


°

22. Use a set-square and a ruler to draw a line parallel to the line ST passing through the point V.



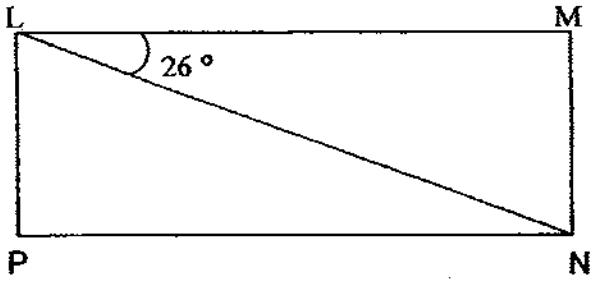
23. Look at the diagram shown below.
Name two pairs of perpendicular lines found in the diagram.



(i) _____ ⊥ _____

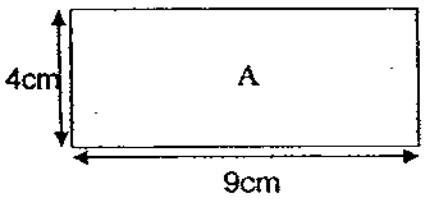
(ii) _____ ⊥ _____

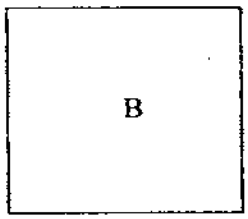
24. In the figure, LMNP is a rectangle and ∠MLN is 26 °. Find the value of ∠PLN.



°

25. Rectangle A and Square B have the same area. Find the length of one side of Square B.

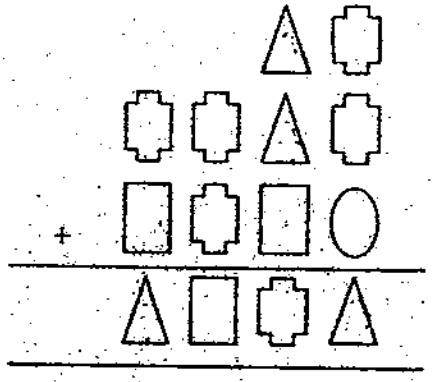




cm

26. What is the first common multiple of 6 and 9?

27. The symbols represent the digits 1 to 4. If △ represents 4, what is the value of the symbol □?



28. Faris had $35 and Maxx had some money. After Maxx gave $10 to Faris, they had the same amount of money. How much did Maxx have at first?

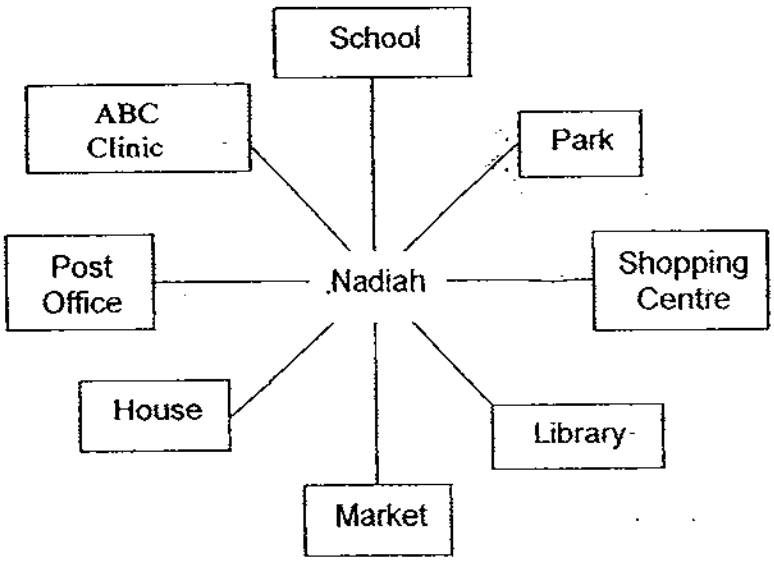
$

29. Liam put 8 books into a box. After packing his books into 34 such boxes, he found that he had 7 books left. How many books did he have altogether?

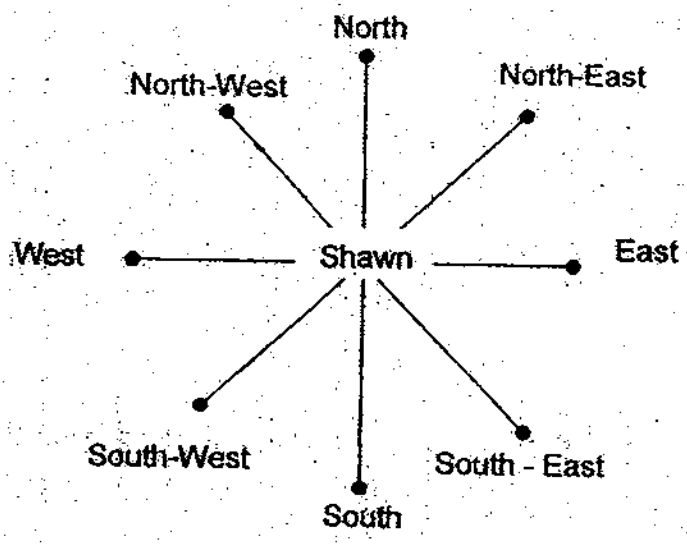
30. Russell spent $\frac{1}{3}$ h practising on the piano every day. How much time did he spend practising on the piano every week?
Give the answer as a mixed number.

h

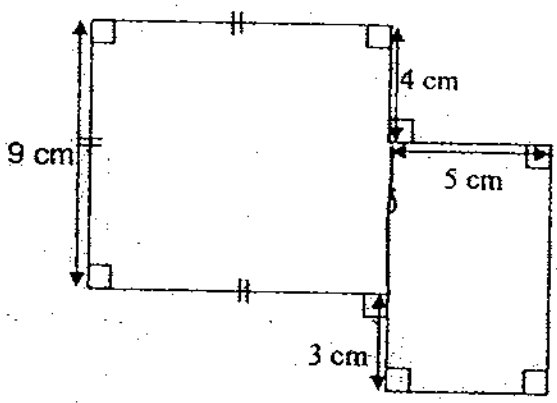
31. Nadiah is facing the post office. Where will Nadiah be facing if she turns 3 right angles **anti-clockwise**?



32. Shawn is now facing East direction. Which direction will he be facing if he turns 315° to his right?



33. What is the area of the figure shown below?



cm²

34. A rectangular piece of paper, measuring 9 m by 6 m, is cut into 3 smaller identical pieces as shown in figure A. They are then used to form a shape as shown in diagram B. What is the perimeter of the shape in diagram B?

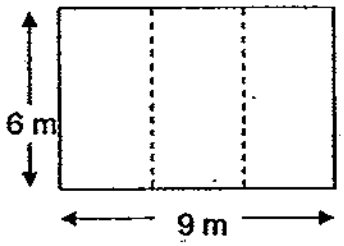


Diagram A

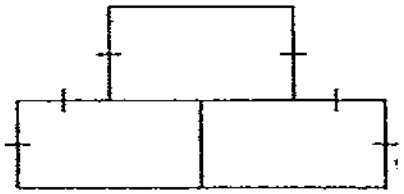
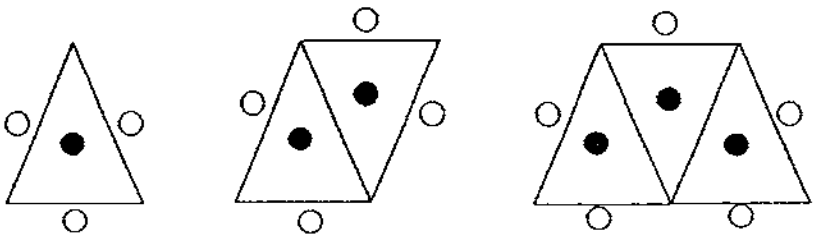


Diagram B

m

35. Look at the pattern shown below.



1st 2nd 3rd

Pattern	1st	2nd	3rd	4th	5th
Black circles	1	2	3	...	...
White circles	3	4	5	...	...
Total circles	4	6	8	...	...

What is the total number of circles in the 50th pattern?

NAME: _____( )

CLASS: _____

Section C : (30 marks)

Read the following problem sums carefully. Show all workings clearly in the spaces provided. You may draw models to help you.

36. Miss Jean bought 3 blouses at $14 each. She also bought a handbag that cost $90 more than the amount she had paid for the 3 blouses. How much did she pay for the 3 blouses and the handbag?

(3 marks)

Working

37. Rashiqah and Alina had 494 stickers altogether. After Alina bought 22 more stickers, she had three times as many stickers as Rashiqah. How many stickers did Rashiqah have at first?

(3 marks)

Working

38. In a Mathematics test, Rae scored 20 marks more than Serene. Jellabel scored $\frac{4}{5}$ of Rae's marks. Rae scored 95 marks.

(a) How many marks did Serene score? (1 mark)

(b) What were their total marks? (3 marks)

Working

39. Three boys sold a number of charity tickets. Ahmad sold $\frac{1}{8}$ of the charity tickets, Brandon sold $\frac{1}{2}$ of the charity tickets and Christopher sold the rest of the charity tickets. Christopher sold 36 charity tickets.

(a) How many charity tickets did Ahmad sell? (1 mark)

(b) If each ticket cost $7, how much did the three boys collect from the total sale of the tickets? (3 marks)

Working

40. Renee bought $4\frac{1}{6}$ m of cloth to make a blouse and a skirt. She used $\frac{11}{12}$ m to make a blouse. She used $\frac{2}{3}$ m more to make a blouse than a skirt. How much cloth was left in the end?
Give the answer as a mixed number. (4 marks)

Working

41. Verena paid a total of $435 for a badminton racket, 2 similar soccer balls and a tennis racket. A soccer ball cost $15 more than a badminton racket. The tennis racket cost 6 times the total amount of a badminton racket and a soccer ball.

(a) How much did the badminton racket cost? (3 marks)

(b) How much did she pay for the tennis racket? (1 mark)

Working

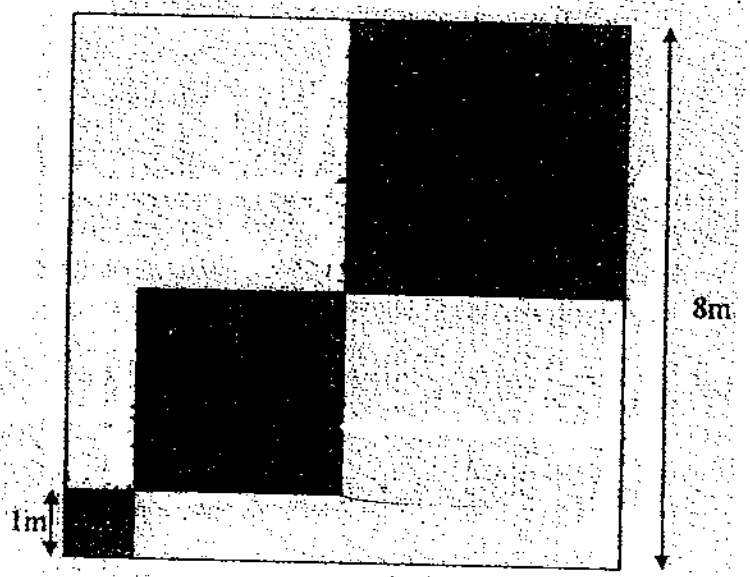
42. A total of 240 children and adults went for a school concert. There were 60 more children than adults at the concert. If the number of boys was 5 times the number of girls at the concert, how many boys were at the concert?

(4 marks)

Working

43. The figure below is made up of a big square with three smaller squares inside it. Find the **area** of the **unshaded** parts.

(4 marks)



Working

-END OF PAPER-

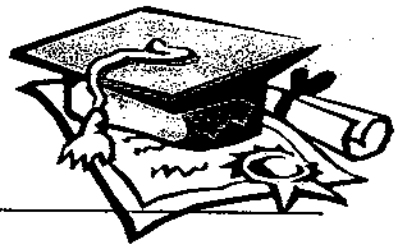
Setter: Mdm Sally Heng

ANSWER SHEET

EXAM PAPER 2009

SCHOOL : HENRY PARK PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
3	3	4	2	2	1	1	4	4	3	3	2	3	1	2

16)Forty-nine thousand, seven hundred and twelve **17)44660**

18)34 sixths **19)$6\frac{1}{8}$** **20)3** **21)118°** **22)**

23)i)CD/FE ii)ML/AB **24)64°** **25)6cm**

26)18 **27)3** **28)$55** **29)279** **30)$2\frac{1}{3}$**

31)School **32)North-East direction** **33)$121cm^2$**

34)36m **35)102**

36)$14x3=$42
$90+$42=$132
$132+$42=$174
She paid $174 for the 3 blouses and the handbag.

37)494+22=516
516÷4=129
Rashiqah had 129 stickers at first.

38)a)95-20=75
Serene scored was 75 marks.
b)95÷5=19
19x4=76
76+75+95=246
The total marks were 246.

39)a)36÷3=12
Ahmad sold 12 charity tickets.
b)12x8=96
96x$7=$672
The three boys collected $672 in total.

40)Skirt→11/12m-2/3m
=11/12m-8/12m=3/12m

Left→$4\frac{1}{6}$ - 11/12m
=$4\frac{2}{12}$m-11/12m
=$3\frac{14}{12}$m-11/12m
=$3\frac{3}{12}$m-3/12m
=3m
3m of cloth was left in the end.

41)a)$15x8=$120
$435-$120=$315
$315÷15=$21
A badminton racket cost $21.
b)$21x12=$252
$15x6=$90
$252+$90=$342
She paid $342 for a tennis racket.

42)240-60=180
180÷2=90
90+60=150
150÷6=25
25x5=125
There are 125 boys at the concert.

43)8x8=64
4x4=16
3x3=9
1x1=1
64-16-9-1=38m^2