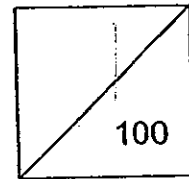




**HENRY PARK PRIMARY SCHOOL  
2010 SEMESTRAL EXAMINATION 2  
MATHEMATICS  
PRIMARY 4**



Name: \_\_\_\_\_ (

Parent's Signature

Class: Pr 4 \_\_\_\_\_

Duration of Paper: 1 h 45 min

**Section A: ( 15 x 2 marks = 30 marks )**

For each question, four options are given. One of them is the correct answer. Make your choice (1,2,3 or 4). Shade the correct ovals on the Optical Answer Sheet.

1. In which of the following numbers does the digit 8 stand for 800?

- (1) 5708
- (2) 8570
- (3) 9480
- (4) 9840

( )

2.  $\frac{1}{4} + \frac{1}{8} =$  \_\_\_\_\_

- (1)  $\frac{1}{6}$
- (2)  $\frac{1}{12}$
- (3)  $\frac{3}{8}$
- (4)  $\frac{3}{16}$

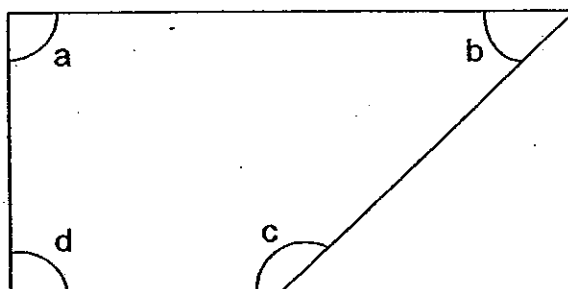
( )

3. In the number 67.81, the digit \_\_\_\_\_ is in the tenths place.

- (1) 1
- (2) 6
- (3) 7
- (4) 8

( )

4. In the figure shown below, which angle is greater than a right angle?



- (1)  $\angle a$
- (2)  $\angle b$
- (3)  $\angle c$
- (4)  $\angle d$

( )

5. Which of the following is a common multiple of 4 and 12?

- (1) 36
- (2) 28
- (3) 8
- (4) 4

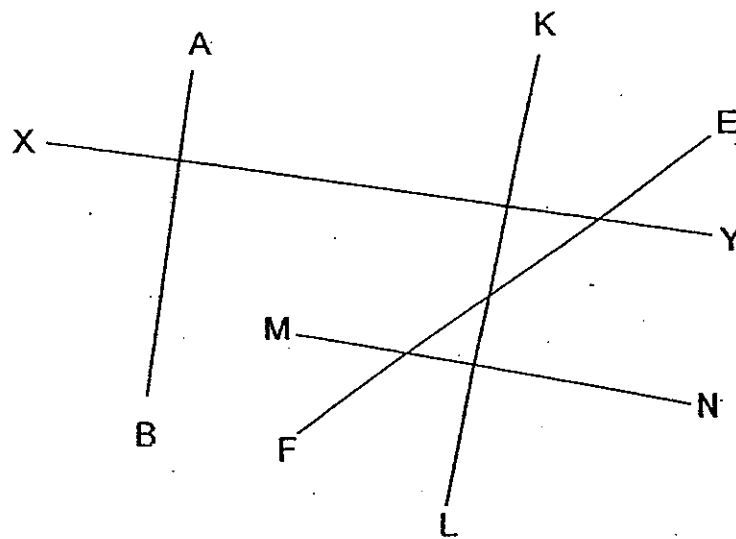
( )

6.  $5.03 \times 6 =$  \_\_\_\_\_

- (1) 30.18
- (2) 30.68
- (3) 31.18
- (4) 31.68

( )

7. Look at the diagram shown below. Which line is perpendicular to XY?



- (1) AB  
(2) EF  
(3) KL  
(4) MN ( )
8. Mr Ali left Malacca for Singapore at 23 45. He arrived in Singapore at 03 00 the next day. How long was the journey?  
(1) 3 h 15 min  
(2) 3 h 45 min  
(3) 4 h 15 min  
(4) 4 h 45 min ( )
9. A bag of 5 pears cost \$9 while 1 watermelon cost \$3. How much did Mrs Ho have to pay for 15 pears and 4 watermelons?  
(1) \$30  
(2) \$39  
(3) \$138  
(4) \$147 ( )

10. There are 36 apples in a box.  $\frac{2}{9}$  of them are green and the rest are red. How many red apples are there?

(1) 7  
(2) 8  
(3) 14  
(4) 28

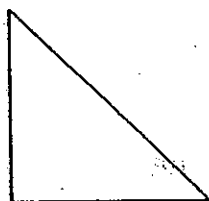
( )

11. The cost of a bag when rounded off to the nearest dollar is \$45. Which of the following could possibly be the actual price of the bag?

(1) \$44.10  
(2) \$44.30  
(3) \$45.10  
(4) \$45.95

( )

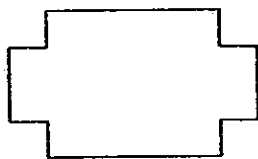
12. Which of these unit shapes can be tessellated?



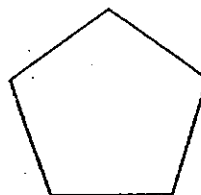
A



B



C



D

- (1) A and B only  
(2) ~~A and C only~~ A, B and C only  
(3) B and D only  
(4) A, B and D only

( )

13. Kenny had **only** the following four pieces of notes in his wallet.

\$2

\$5

\$10

\$50

He took out two pieces of notes from his wallet. Which of the following could **not** be the total amount?

- (1) \$7  
(2) \$17  
(3) \$52  
(4) \$55

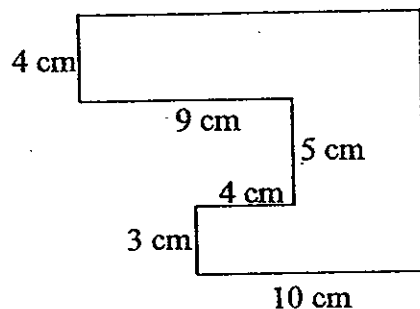
( )

14. Jessica had \$300 more than Pamela. After Pamela spent \$60, the amount of money she had left was  $\frac{1}{6}$  of the amount of money Jessica had. How much money had Pamela at first?

- (1) \$110  
(2) \$120  
(3) \$132  
(4) \$150

( )

15. Given that all the lines meet at right angles, what is the perimeter of the figure shown below?

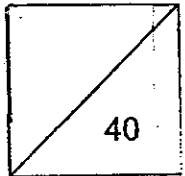


- (1) 35 cm  
(2) 50 cm  
(3) 62 cm  
(4) 66 cm

( )

Name: \_\_\_\_\_ ( )

Class: Pr 4 \_\_\_\_\_



Section B: ( 20 x 2 marks = 40 marks )

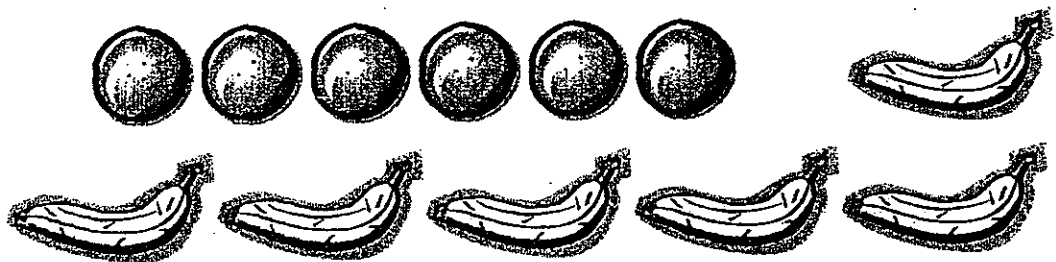
Read the questions carefully and write the correct answer in the boxes provided.  
Show all workings clearly.

16. Write forty-one thousand and eighty-nine in numerals.

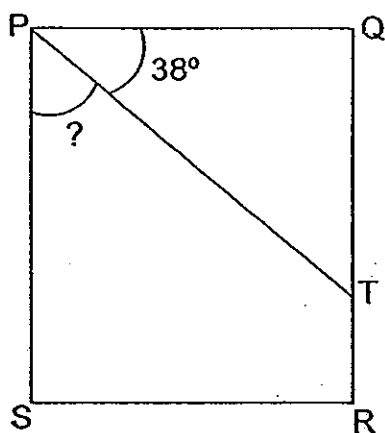
17.  $7506 \div 9 =$  \_\_\_\_\_

18. Write  $\frac{26}{6}$  as a mixed number in its simplest form.

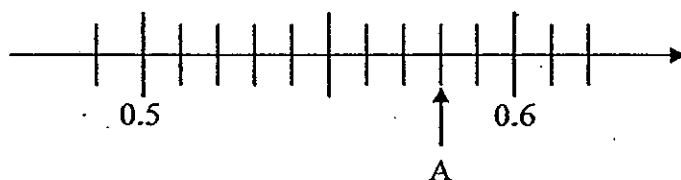
19. What fraction of the fruits are bananas? Express your answer in the simplest form.



20. The figure below shows a rectangle PQRS. Find the value of  $\angle TPS$ .




- 21.

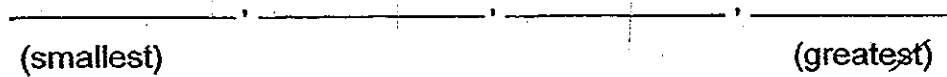


Write the decimal represented by A.

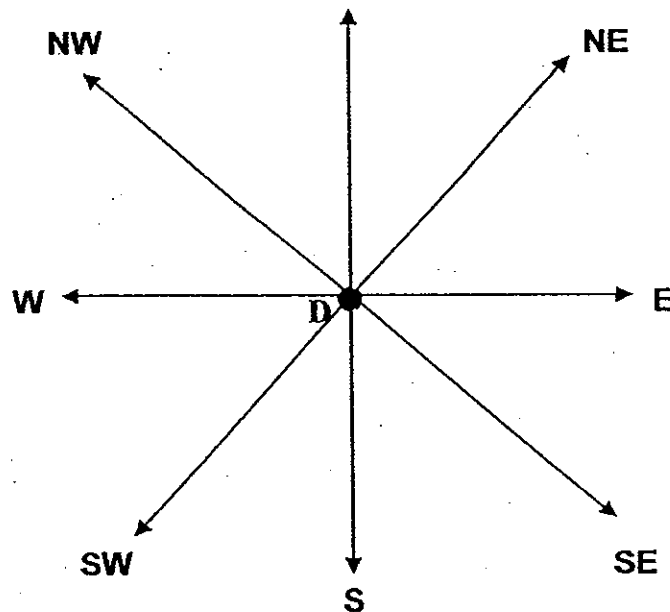
22. Express 0.15 as a fraction in its simplest form.

23. Arrange these numbers from the **smallest to the greatest**.

9.01, 9.1, 9.001, 9



24. Amanda is standing at the point marked D in the figure below. She is facing North-west. She makes a  $135^\circ$  turn anti-clockwise.

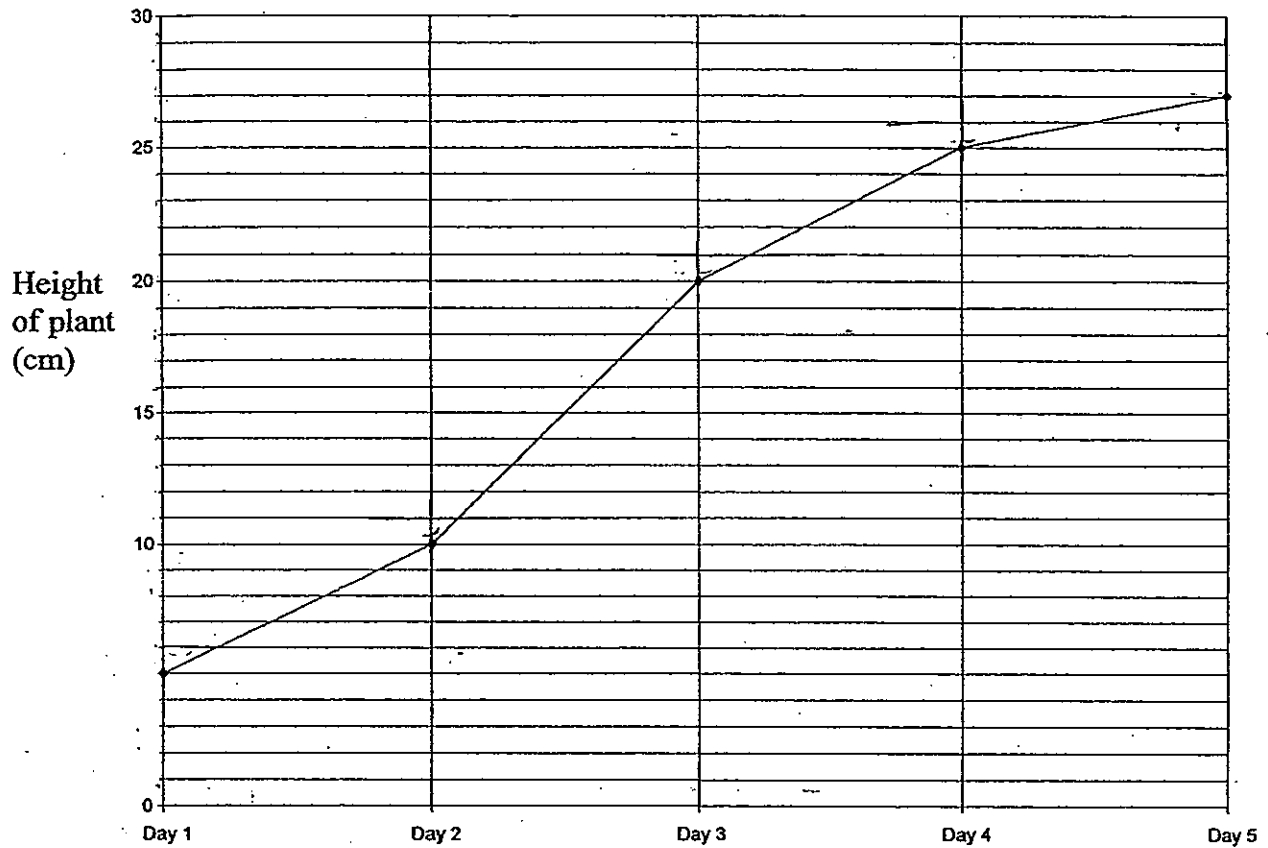


In which direction will she be facing?



Study the graph carefully and answer questions 25 and 26.

Kate bought a plant that was 5 cm tall. Every morning, she measured the height of the plant and recorded its height for the day. The line graph below shows her records.



25. What was the height of the plant when it was measured on Day 3?

cm

26. Between which two days was the increase in the height of the plant the greatest?

Day \_\_\_\_\_ and Day \_\_\_\_\_



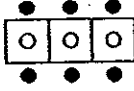
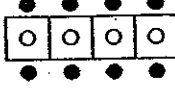
27. Express 1 h 15 min in minutes.

min

28. The area of a square is  $49 \text{ cm}^2$ . What is the perimeter of the square?

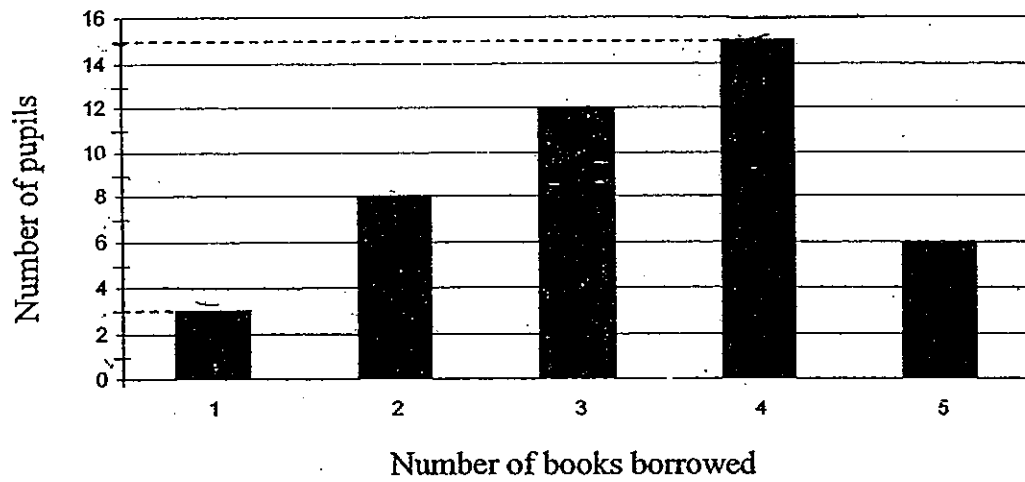
cm

29. Look at the patterns shown below.

	Pattern 1	Pattern 2	Pattern 3	Pattern 4	...	Pattern 35
						?
White beads	1	2	3	4		
Black beads	2	4	6	8		
Total beads	3	6	9	12		?

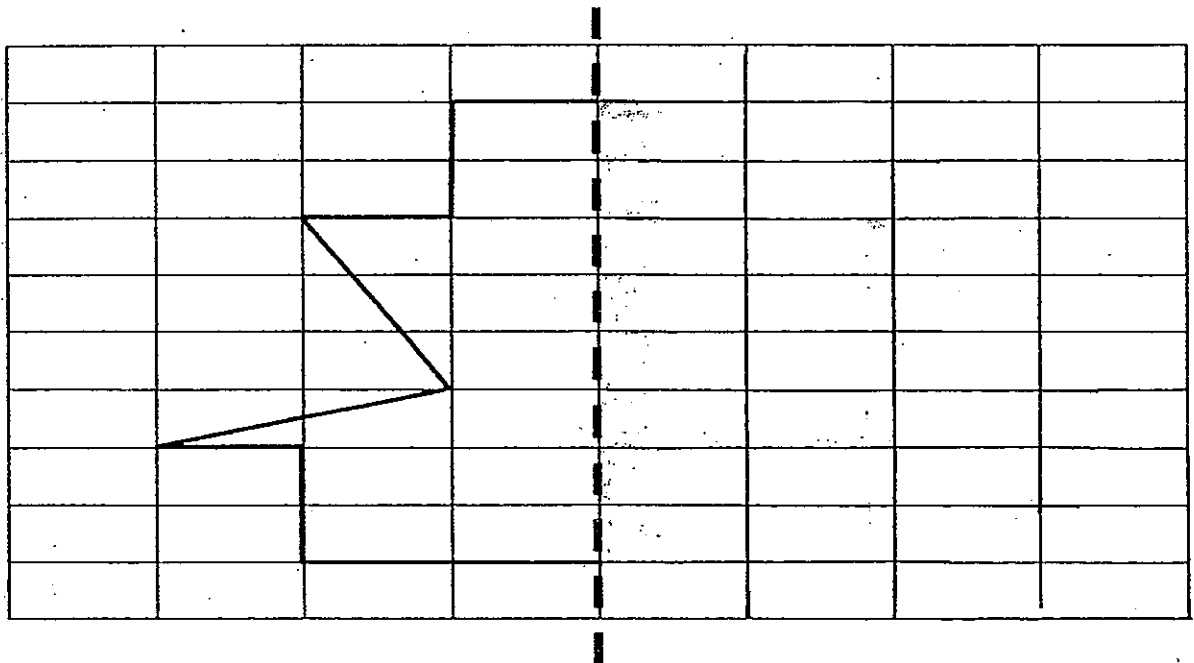
What is the total number of beads in pattern 35?

30. The following bar graph shows the number of books each pupil borrowed in a particular class.



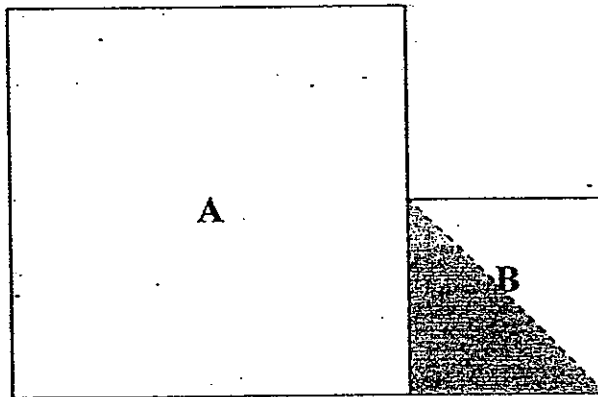
How many pupils read at least 3 books?

31. Complete the symmetrical figure.



32. Ayindash bought some books on Friday. He read  $\frac{3}{10}$  of the books on Saturday and  $\frac{1}{2}$  of the books on Sunday. On Monday, he found that he still had 6 books to read. How many books did he buy?

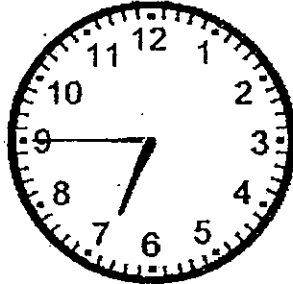
33.



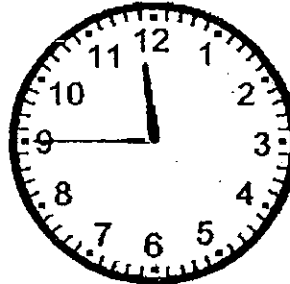
The length of square A is twice the length of square B. If the shaded part is  $18 \text{ cm}^2$ . What is the total area of squares A and B?

  $\text{cm}^2$

34. Henry wants to call his friend, Peter, who stays in London. The clocks below show the time difference between Singapore and London. When it is 6.45 a.m. in Singapore, it is 11.45 p.m. in London. What time in Singapore should Henry call Peter if he wants to speak to him at 8 a.m. London time? Leave your answer in 12-hour clock.



Singapore  
1 Nov

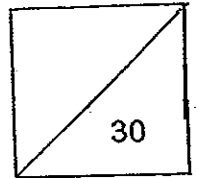


London  
31 Oct

35. Some scouts were sitting in a circle around a campfire. They were evenly spaced out and numbered in order. The 3<sup>rd</sup> scout was sitting directly opposite the 11<sup>th</sup> scout. If 4 scouts were to leave the campfire, how many scouts were left?

Name: \_\_\_\_\_ ( )

Class: Pr 4 \_\_\_\_\_

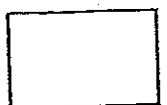


Section C: ( 30 marks )

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

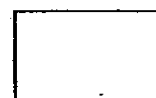
36. Mrs Ng paid \$28.60 for 2 durians and 3 mangoes. 1 durian cost 4 times as much as a mango. Find the cost of a durian. ( 3 marks )

Working



37. There were 182 guests at Henry Park Hotel. The guests wanted to take a taxi to Sentosa Universal Studio. Transport was provided at a fixed price of \$27 for 4 guests or fewer. What was the lowest possible transport cost for these 182 guests? (3 marks)

Working



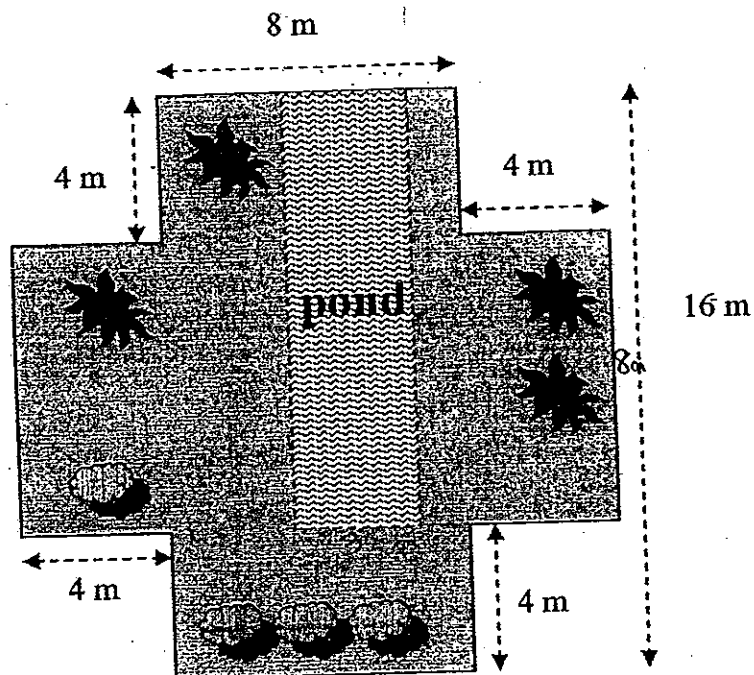
38. The figure below shows a roof top garden on top of a building. The breadth of the pond is 3 m.

(a) Find the area of the pond.

(1 mark)

(b) Find the area of the garden excluding the pond.

(3 marks)

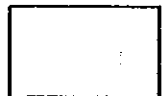


Working



39. There are some pupils in class 4 Attentiveness.  $\frac{1}{3}$  of them like cycling,  $\frac{1}{4}$  of them like swimming,  $\frac{1}{6}$  of them like roller-blading and the rest like playing badminton. If 6 more pupils like playing badminton as compared to roller-blading, find the total number of pupils in the class. ( 4 marks )

Working



40. Simeon and Alvin had 116 marbles at first. After Simeon bought another 8 marbles and Alvin gave away 20 of his marbles to his sister, they both had the same number of marbles left. How many marbles did Alvin have at first?

( 4 marks )

Working



41. The cost of Toy A is  $\frac{1}{4}$  of the cost of Toy B and the cost of Toy C is  $\frac{3}{4}$  of the cost of Toy A. Toy B costs \$36 more than Toy A.

(a) How much does Toy A cost?

( 3 marks )

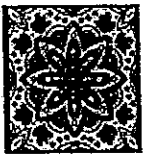

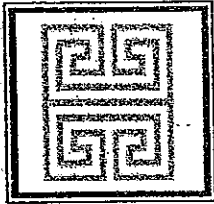
(b) How much does Toy C cost?

( 1 marks )

Working



42. The following are the information of three different types of tiles. Use the information to answer the question below

<p>Tile A</p>  <p>Mass = 0.54 kg</p>	<p>Tile B</p>  <p>Mass = 0.76 kg</p>	<p>Tile C</p>  <p>Mass = 0.63 kg</p>
---	---	---

Kim has a stack of 21 different types of tiles which are made up of a combination of Tiles A, B and C. 9 of them are Tiles C. The total mass of the 21 tiles is 13.69 kg. How many Tiles A and Tiles B does she have altogether?

( 4 marks )

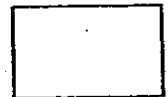
Working



43. Peter has \$4 in his piggy bank and John has \$2 in his. Peter adds \$1 to his piggy bank each day and John adds \$3 to his each day. On which day will John's saving be twice of Peter's?

( 4 marks )

Working



-END OF PAPER-

Setters:

Mrs Ling Lee Ching

Mdm Sally Heng



# Ans

## EXAM PAPER 2010

SCHOOL : HENRY PARK PRIMARY  
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

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

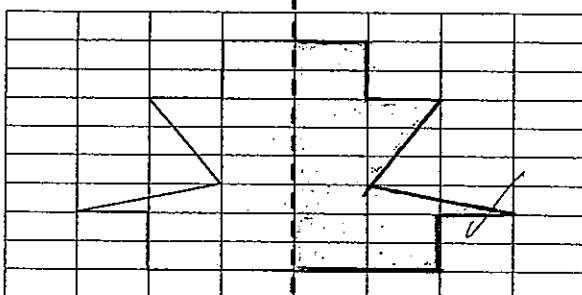
<p>16)</p> $\begin{array}{r} 41\ 000 \\ -\ 89 \\ \hline 41\ 089 \end{array}$ <p>Ans : 41 089</p>	<p>17)</p> $\begin{array}{r} 834 \\ 9 \overline{) 7506} \\ \underline{-72} \phantom{00} \\ 30 \\ \underline{27} \phantom{00} \\ 036 \\ \underline{-36} \phantom{00} \\ 00 \end{array}$ <p>Ans : 834</p>	<p>18)</p> $\begin{array}{r} 4 \\ 6 \overline{) 26} \\ \underline{-24} \\ -2 \end{array}$ <p><math>42/6 = 4\frac{1}{3}</math></p> <p>Ans : <math>4\frac{1}{3}</math></p>
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Q19	Q20	Q21	Q22	Q23
$\frac{1}{2}$	52	0.58	$\frac{3}{20}$	9.001, 9.01, 9.1, 9

Q24	Q25	Q26	Q27	Q28
south	20 cm	Day 2 and Day 3	75 min	28 cm

Q29	Q30
105 beads	33 pupils

31)



Q32	Q33	Q34	Q35
30 books	180	3 pm	12 scounts

36) The cost is \$10.40  
 11 units = \$28.60  
 1 unit = \$ 2.60  
 Cost of durian = \$2.60 x 4 = \$10.40

37) The cost is \$1242  
 $182 \div 4 = 45 \text{ R}2$   
 $45 + 1 = 46$   
 $46 \times \$27 = \$1242$

38a) The area is 36 cm<sup>2</sup>  
 $8\text{m} + 4\text{m} = 12\text{m}$   
 $12\text{m} \times 3\text{m} = 36\text{m}^2$

38b) The area is 156 cm<sup>3</sup>  
 $4 \times 4 = 16$   
 $16 \times 4 = 64$   
 $192 - 36 = 156$

39) There are 72 pupils in the class  
 $12 \times 6 = 72$

40) Alvin had 72 marbles at first.  
 $44 + 28 = 72$

41a) Toy A cost \$12  
 12 units = \$36  
 1 unit =  $\$36 \div 12 = \$3$   
 4 units =  $4 \times 3 = 12$

41b) Toy C cost \$9  
 $3 \times \$3 = \$9$

42) There are 5 tiles As and 7 Tiles Bs

43) On day 6

Day	Peter	John	Check
0	\$4	\$2	x
1	\$5	\$5	X
2	\$6	\$8	X
3	\$7	\$11	X
4	\$8	\$14	X
5	\$9	\$17	X
6	10	\$20	✓

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