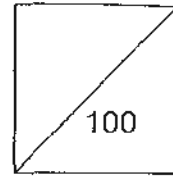




HENRY PARK PRIMARY SCHOOL  
2010 SEMESTRAL EXAMINATION 1  
MATHEMATICS  
PRIMARY 4



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

Parent's Signature

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

Duration of Paper: 1 h 45 min

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

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

1. The value of the digit 3 in 60 307 is \_\_\_\_\_.

- (1) 30
- (2) 300
- (3) 3000
- (4) 30 000

( )

2. Which of the following numbers is a factor of both  $45^2$  and 55?

- (1) 15
- (2) 11
- (3) 3
- (4) 5

( )

3.  $7\frac{2}{5} = \frac{\boxed{?}}{5}$

What is the missing number in the box?

- (1) 9
- (2) 19
- (3) 37
- (4) 72

( )

4. Express 110 minutes in hours and minutes.

- (1) 1 h 0 min
- (2) 1 h 10 min
- (3) 1 h 40 min
- (4) 1 h 50 min

( )

5. The table below shows the amount of money earned by Mr Lim and Mr Tan based on the sales of cookies on Saturday and Sunday.

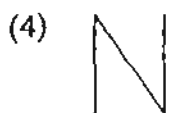
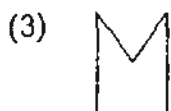
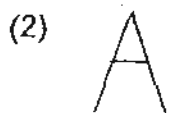
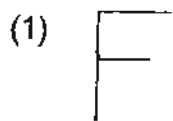
	Saturday	Sunday
Mr Lim	\$425	\$300
Mr Tan	\$260	\$470

How much more money did Mr Tan earn than Mr Lim on both Saturday and Sunday?

- (1) \$5
- (2) \$85
- (3) \$165
- (4) \$170

( )

6. Which of the following figures has perpendicular lines?



( )

7. Find the length of the rectangle given its perimeter and breadth.



Perimeter = 36 cm

- (1) 6 cm
- (2) 9 cm
- (3) 14 cm
- (4) 16 cm

( )

8. Which of the following numbers when rounded off to the nearest ten becomes 42 500?

- (1) 42 454
- (2) 42 495
- (3) 42 505
- (4) 42 544

( )

9. The product of 2 numbers is 3040. If one of the numbers is 5, what is the other number?

- (1) 68
- (2) 608
- (3) 680
- (4) 6080

( )

10. Arrange the following fractions from the greatest to the smallest.

$$\frac{1}{2}, \frac{3}{4}, \frac{5}{12}$$

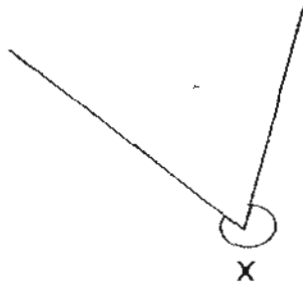
(greatest)

(smallest)

- |     |                |   |                |   |                |
|-----|----------------|---|----------------|---|----------------|
| (1) | $\frac{5}{12}$ | , | $\frac{1}{2}$  | , | $\frac{3}{4}$  |
| (2) | $\frac{5}{12}$ | , | $\frac{3}{4}$  | , | $\frac{1}{2}$  |
| (3) | $\frac{3}{4}$  | , | $\frac{1}{2}$  | , | $\frac{5}{12}$ |
| (4) | $\frac{3}{4}$  | , | $\frac{5}{12}$ | , | $\frac{1}{2}$  |

( )

11. Which one of the following is the **best estimate** for  $\angle x$ ?



- (1) 1 right angle
- (2) 2 right angles
- (3) more than 3 right angles
- (4) less than 1 right angle

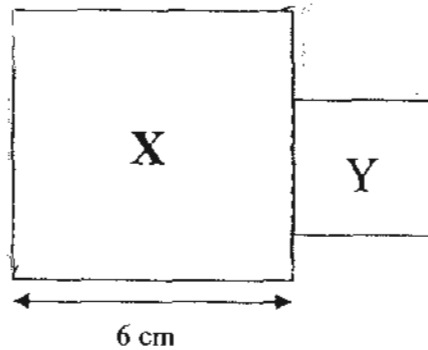
(      )

12. There are a total of 24 gymnasts and runners in the group participating in the Youth Olympic Games from Singapore.  $\frac{2}{3}$  of this group are gymnasts. How many are runners?

- (1) 16
- (2) 12
- (3) 8
- (4) 4

(      )

13. Jamie had a piece of wire 28 cm long. She bent the wire to make the shape which was in the form of 2 squares X and Y as shown below.



What was the area of Y?

- (1) 1 cm<sup>2</sup>  
(2) 8 cm<sup>2</sup>  
(3) 16 cm<sup>2</sup>  
(4) 4 cm<sup>2</sup> ( )
14. When a number is divided by 7, the quotient is 784 and the remainder is 6. What is the number?  
(1) 5494  
(2) 5482  
(3) 4711  
(4) 4697 ( )
15. Janice had \$40. She spent \$8 on a movie, \$11 on snacks, \$5 on a drink and saved the rest. What fraction of the amount of money did she save?  
(1)  $\frac{1}{8}$   
(2)  $\frac{1}{5}$   
(3)  $\frac{2}{5}$   
(4)  $\frac{3}{5}$  ( )

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 thirteen thousand and thirty in numerals.

Ans: \_\_\_\_\_

17. Find the value of  $1 - \frac{1}{6} - \frac{1}{2}$ .

Ans: \_\_\_\_\_

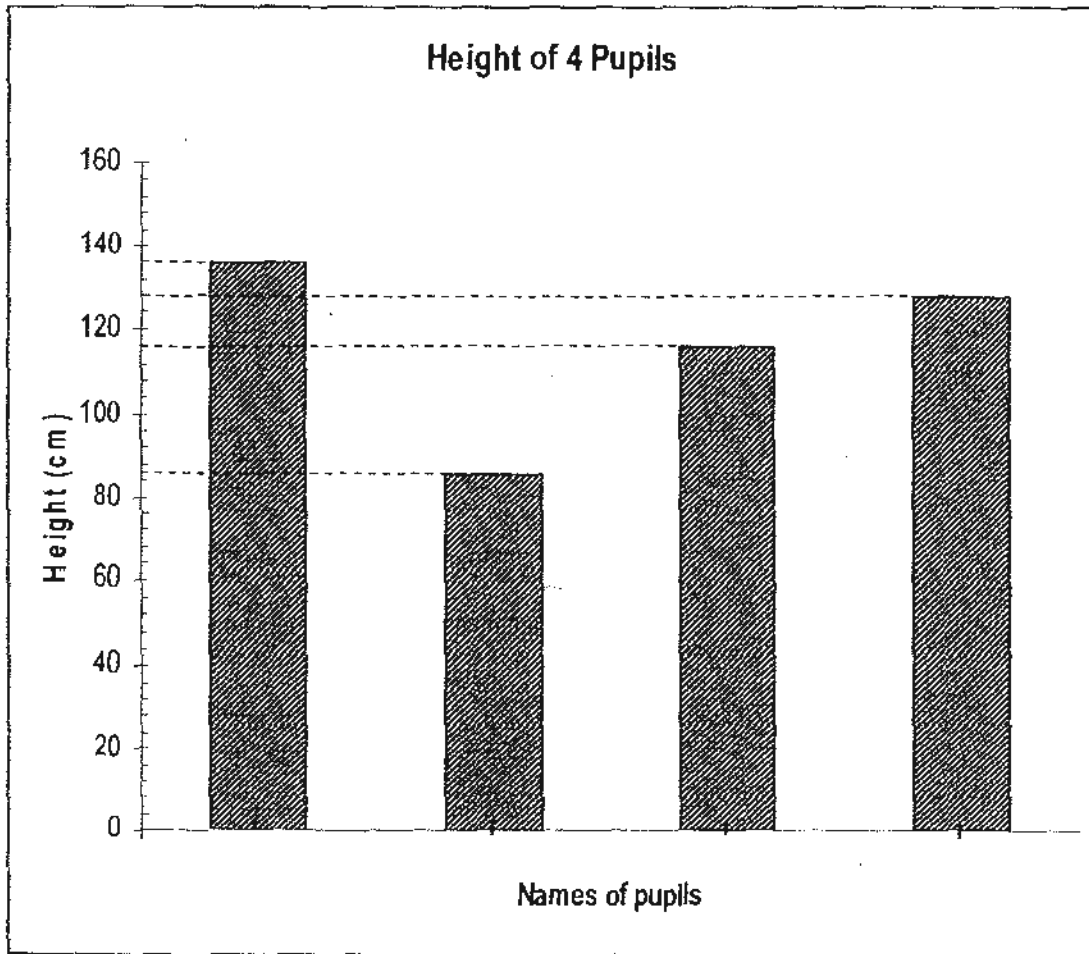
18. A library opens daily from 10.00 a.m. to 9.00 p.m. How long is the library open each day?

\_\_\_\_\_

Ans: \_\_\_\_\_ h



19. The graph below shows the height of 4 pupils.

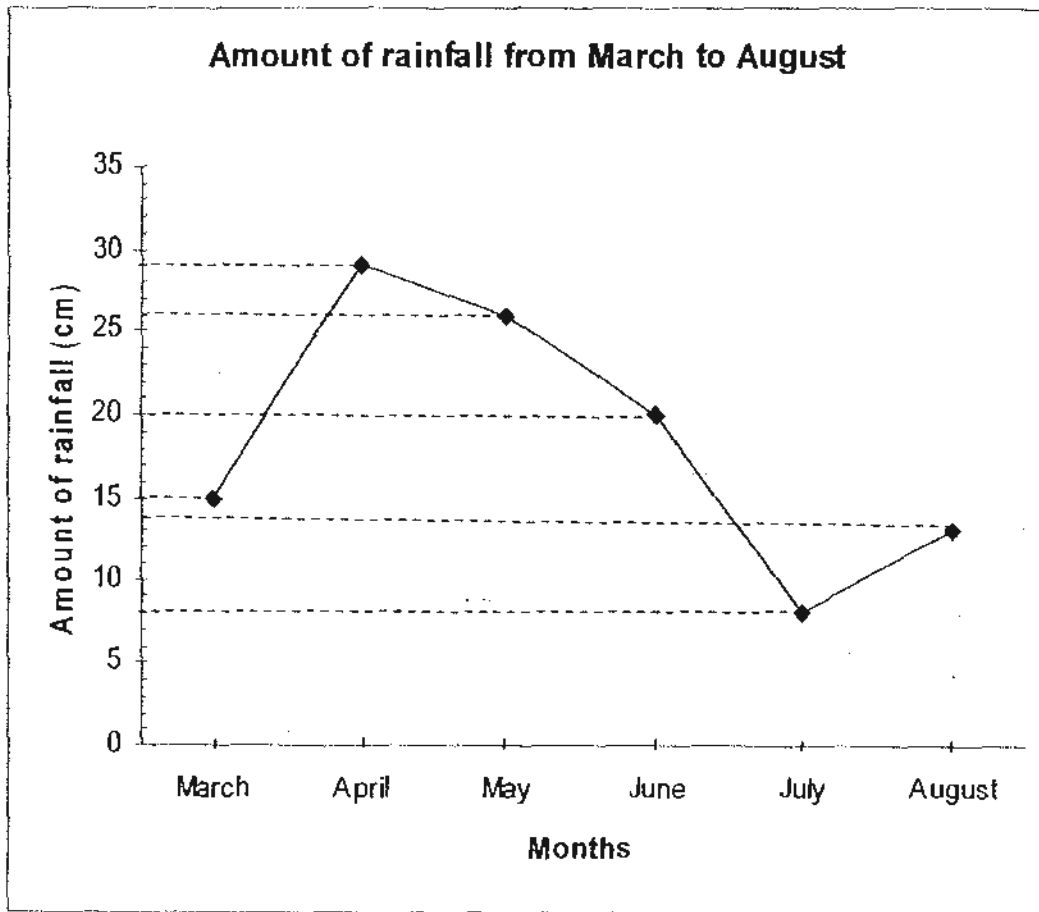


The pupils' names are missing from the graph. Jane is the tallest. Samuel is the shortest. If Tim is shorter than Farah, how tall is Tim?

Ans: \_\_\_\_\_ cm



20. The graph shows the amount of rainfall from March to August.

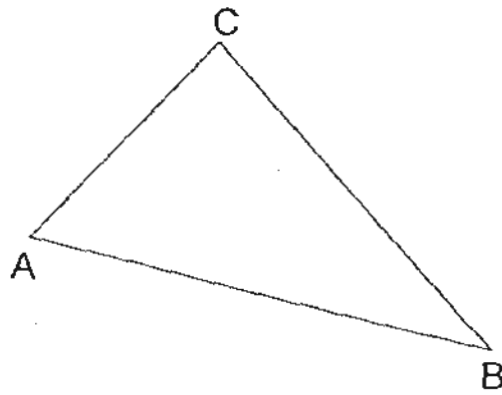


Between which 2 months did the amount of rainfall decrease the most?

Ans: \_\_\_\_\_ and \_\_\_\_\_

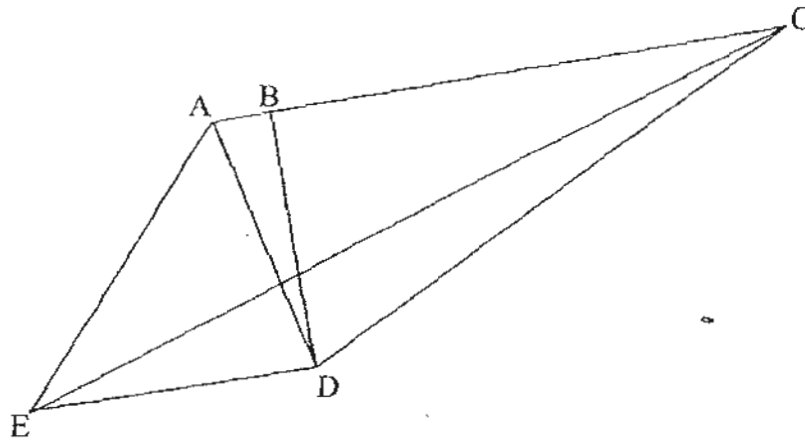


21. Using a protractor, measure  $\angle ABC$ .



Ans:  $\angle ABC =$  \_\_\_\_\_  $^\circ$

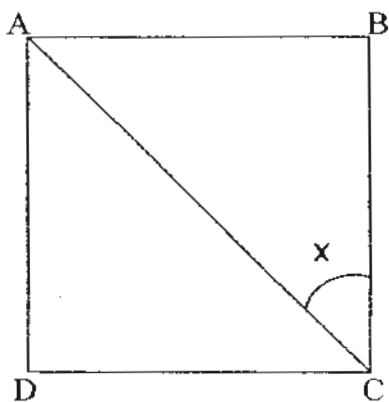
22. One of the lines in the figure below is parallel to Line BC. Which line is parallel to BC?



Ans: \_\_\_\_\_ ED \_\_\_\_\_

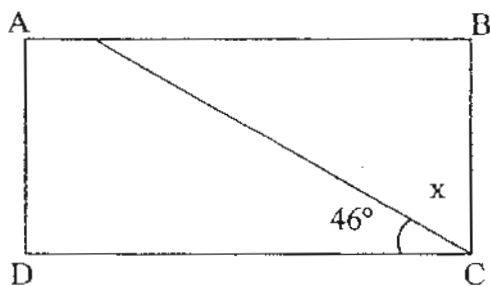


23. In the figure below, ABCD is a square. Find  $\angle x$ .

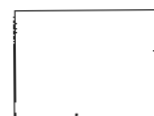


Ans: \_\_\_\_\_°

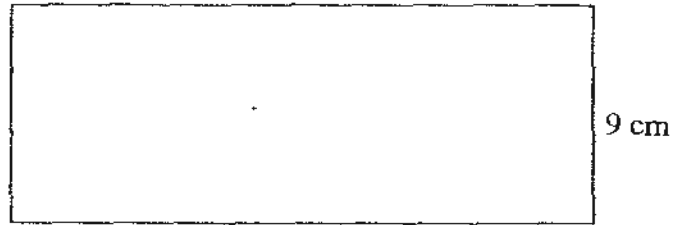
24. In the figure below, ABCD is a rectangle. Find the value of  $\angle x$ .



Ans: \_\_\_\_\_°



25. In the figure below, the breadth of the rectangle is 9 cm and its perimeter is 48 cm. What is the area of the rectangle?



Ans: \_\_\_\_\_ cm<sup>2</sup>

26. Fill in the blank with the correct number in the number pattern below.

980, 950, 920, \_\_\_\_\_?, 860

Ans: \_\_\_\_\_

27. Subtract 271 from 750. The answer is

Ans: \_\_\_\_\_



28. Round off 79 008 to the nearest hundred.

Ans: \_\_\_\_\_

29. What is the first common multiple of 2 and 9?

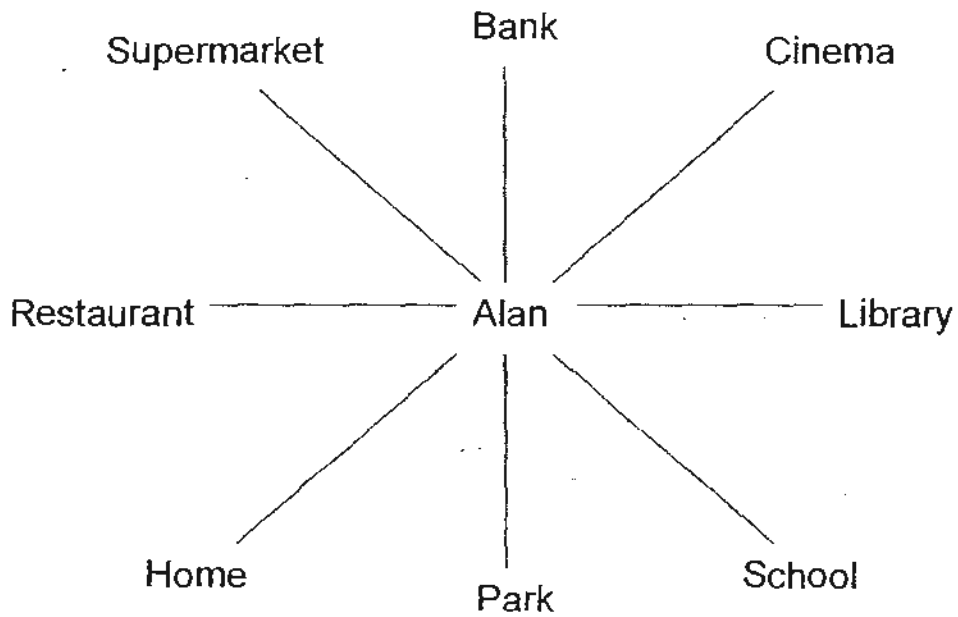
Ans: \_\_\_\_\_

30. On any school day, Samy sleeps from night till the next morning 6.30 a.m. If he needs to sleep for a total of 9 hours in the night, what time does he have to go to bed every night?

Ans: \_\_\_\_\_ p.m.

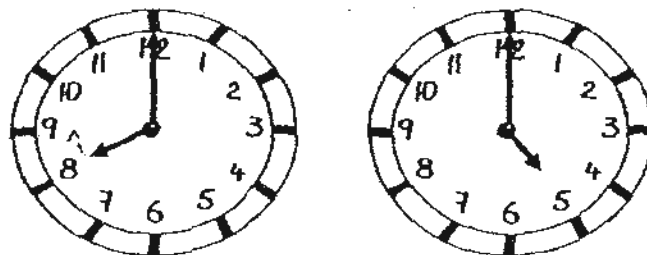


31. Alan stands facing the school. If he makes an anti-clockwise  $\frac{3}{4}$  - turn, where will he be facing now?



Ans: \_\_\_\_\_

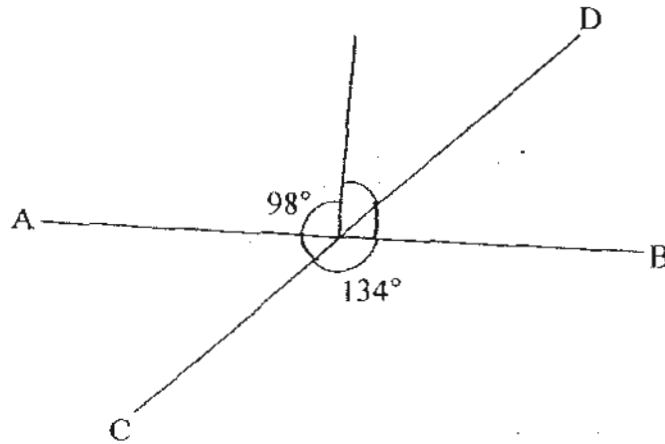
32. What is the angle turned through by the hour hand from 8.00 a.m. to 5.00 p.m. on the same day?



Ans: \_\_\_\_\_°

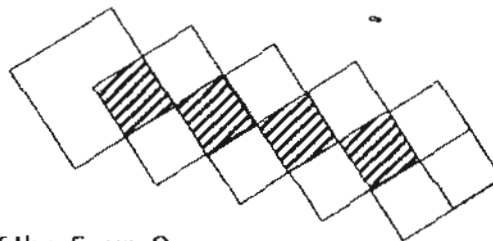


33. In the figure shown, AB and CD are straight lines. Find the value of  $\angle x$ .



Ans: \_\_\_\_\_°

34. The figure below is formed by overlapping 5 big squares. The area of each big square is  $9 \text{ cm}^2$ . Each big square is further divided into 4 identical small squares.



What is the area of the figure?

Ans: \_\_\_\_\_  $\text{cm}^2$



35. Mr Lee arranged some chairs in 15 rows, such that there were equal number of chairs in each row. When he removed 5 rows of chairs and placed them on the remaining 10 rows, the number of chairs in each row increased by 6. What was the number of chairs in each row at first?

Ans: \_\_\_\_\_



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

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

**Section C : (30 marks )**

Read the following problem sums carefully. You may draw models to help you. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

36. Mrs Tan bought 20 plates at \$23 each and an oven at \$549. How much money did she spend altogether?

Working

Ans: \_\_\_\_\_ [3]



37. In a Mathematics competition, the winner won twice as much money as the runner-up. How much money did the winner win if both of them won \$1350 altogether?

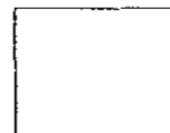
Working

Ans: \_\_\_\_\_ [3]

38. A shop sold only black, grey and white dresses.  $\frac{7}{12}$  of the dresses in the shop were white and 56 dresses were grey. If  $\frac{1}{3}$  of the dresses were black, how many dresses were there in the shop?

Working

Ans: \_\_\_\_\_ [4]



39. Three boxes weigh a total of 454 kg. The first box weighs 18 kg less than the second box. The third box is twice as heavy as the second box. How heavy is the

Working

Ans: \_\_\_\_\_ [4]

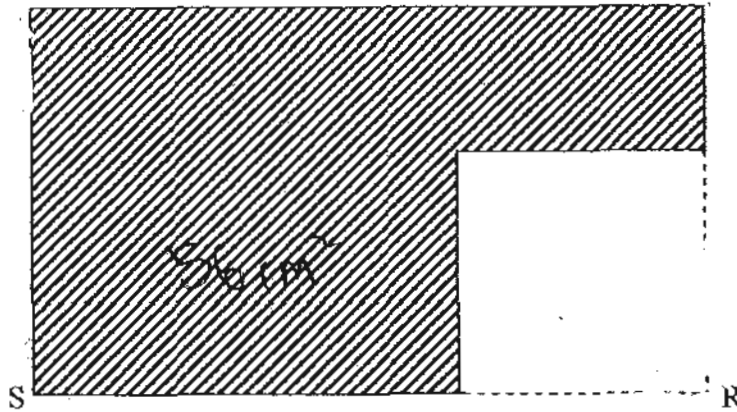
40. A shop had a total of 212 cameras and radios. After selling  $\frac{1}{5}$  of the cameras and 68 radios, the shop had an equal number of cameras and radios left. How many cameras were left in the shop?

Working

Ans: \_\_\_\_\_ [4]



41. The figure below shows a rectangle PQRS with a square removed. The length of PS is  $\frac{1}{6}$  the perimeter of rectangle PQRS. The difference between the length PQ and the length of PS is 6 cm.



- a) Find the perimeter of the shaded portion.  
 b) If the area of the shaded portion is  $56 \text{ cm}^2$ . Find the length of the square.

Working

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]



42.  $\frac{1}{12}$  of the fruits in a shop are mangoes.  $\frac{1}{6}$  of the fruits are pears.  $\frac{1}{4}$  of the fruits are apples and the rest are lemons. There are 48 more lemons than apples. What is the total number of fruits in the shop?

Working

Ans: \_\_\_\_\_ [4]



43. Jenny has 27 coins with a total value of \$9 in her piggy bank. If Jenny has only twenty-cent and fifty-cent coins, how many fifty-cent coins does she have?

Working

Ans: \_\_\_\_\_ [4]

**END OF PAPER**

Setters: Ms Wong Ser Huay  
Ms Eunice Chua



# ANSWER SHEET

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## EXAM PAPER 2010

SCHOOL : HENRY PARK PRIMARY  
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

Q16	Q17	Q18	Q19	Q20	Q21	Q22
13 030	$\frac{1}{3}$	11	116	June and July	36	ED

Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30
45	44	135	890	479	79 000	18	9.30 pm

Q31	Q32	Q33	Q34	Q35
Home	270	36	36	12 chairs

36) Mrs Tan spent \$ 1009 altogether.

$$20 \times \$23 = \$460$$

$$\$460 + \$549 = \$1009$$

Ans : \$1009

37) The winner won \$900

$$\$1350 \div 3 = \$450$$

$$\$450 = 1 \text{ unit}$$

$$\$450 \times 2 = \$900$$

Ans : \$ 900

38) There were 672 dresses in the shop

$$56 = 1 \text{ unit}$$

$$56 \times 12 = 672$$

Ans : 672 dresses

39) The first box is 100 kg  
 $18\text{kg} \times 3 = 54\text{ kg}$   
 $454\text{kg} - 54\text{kg} = 400\text{kg}$   
 $400\text{kg} \div 4 = 100\text{ kg}$

Ans : 100 kg

40) He had 64 cameras left  
 $9\text{ units} \neq 68 = 212$   
 $9\text{ units} = 212 - 68 = 144$   
 $1\text{ unit} = 144 \div 9 = 16$   
 $4\text{ units} = 16 \times 4 = 64$

Ans : 64

41a)  $1\text{ unit} = 6$   
 $6\text{ units} = 6 \times 6 = 36\text{ cm}$   
Ans : 36 cm

41b)  $36 - 6 - 6 = 24$   
 $24 \div 2 = 12$   
 $12 \times 6 = 72$

$72^2 \times 56^2 = 16$   
 $4 \times 4 = 16\text{ cm}$

Ans : 4 cm

42) There are 192 fruits altogether  
 $6\text{ units} - 3\text{ units} = 3\text{ units}$   
 $3\text{ units} = 48$   
 $1\text{ unit} = 48 \div 3 = 16$   
 $12\text{ units} = 16 \times 12 = 192$

Ans : 192

43) 12 coins

----- end -----