

SINGAPORE CHINESE GIRLS' SCHOOL  
FIRST SEMESTRAL ASSESSMENT (2010)  
PRIMARY 4  
MATHEMATICS

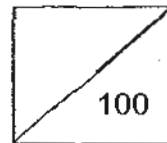
Name: \_\_\_\_\_ (

Date: \_\_\_\_\_

Primary 4

Duration: 1 h 45 min

Parent's signature



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**Booklet A (2 marks each)**

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. In 45 806, the value of the digit 8 is \_\_\_\_\_.

(1) 80

(2) 800

(3) 8000

(4) 80 000

2.  $2048 \div 8 =$  \_\_\_\_\_.

(1) 254

(2) 255

(3) 256

(4) 257

3. Which number below is **NOT** a factor of 18?

(1) 2

(2) 6

(3) 18

(4) 36

4. 27 161 rounded off to the nearest ten is \_\_\_\_\_.

(1) 27 100

(2) 27 160

(3) 27 170

(4) 27 200

5. Express  $2\frac{2}{9}$  as an improper fraction.

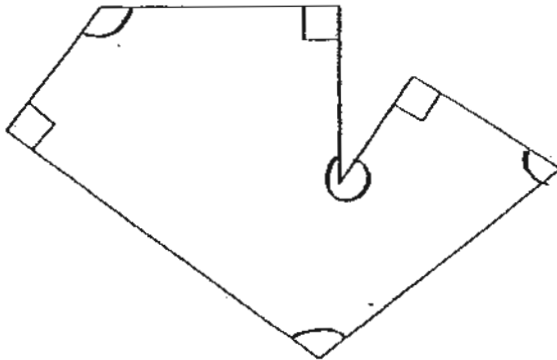
(1)  $\frac{18}{9}$

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

(3)  $\frac{20}{9}$

(4)  $\frac{13}{9}$

6. How many angles are there in the figure?



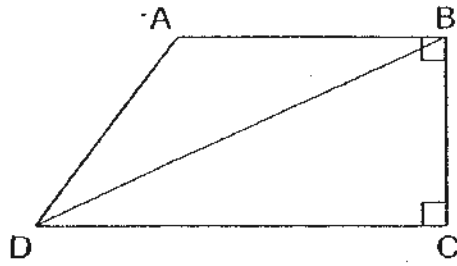
(1) 5

(2) 6

(3) 3

(4) 7

7.



ABCD is a four-sided figure.

Which line is parallel to DC?

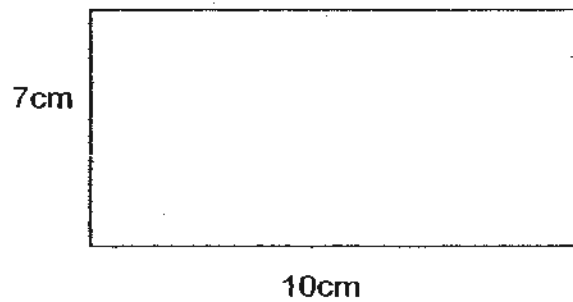
(1) AB

(2) BC

(3) AD

(4) DB

8. Find the perimeter of the rectangle.



(1) 17 cm

(2) 34 cm

(3) 51 cm

(4) 68 cm

9. Mr Lim bought a car for \$154 972. Round off the price of the car to the nearest hundred dollars.

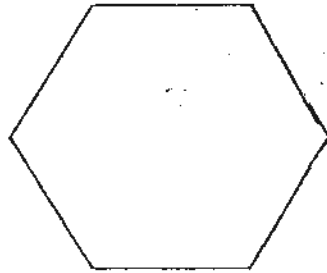
(1) \$154 000

(2) \$154 900

(3) \$154 970

(4) \$155 000

10. How many pairs of parallel lines can you find in the figure below?



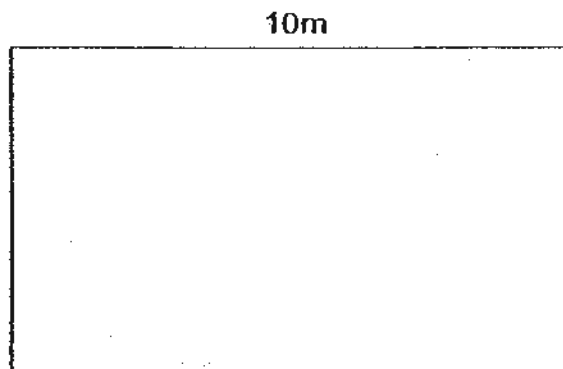
(1) 1

(2) 2

(3) 3

(4) 0

11. Find the area of the rectangle given that its perimeter is 32m.



(1)  $6 \text{ m}^2$

(2)  $12 \text{ m}^2$

(3)  $60 \text{ m}^2$

(4)  $120 \text{ m}^2$

12. For every \$5 that Mandy saves, her mother will give her \$2. If she saves \$15, how much would she get from her mother altogether?

(1) \$6

(2) \$15

(3) \$21

(4) \$28

13. Alan had 80 boxes of marbles. There were 12 marbles in each box. He gave away 70 marbles. How many marbles were left?

(1) 770

(2) 840

(3) 890

(4) 960

14. The table below shows the favourite sports of the pupils from Primary 4A.

The number of pupils who chose basketball is twice that of badminton.

How many pupils chose tennis if there are 40 pupils in the class?

Favourite Sport	Badminton	Basketball	Tennis	Golf	Swimming
Number of pupils	7	?	?	4	2

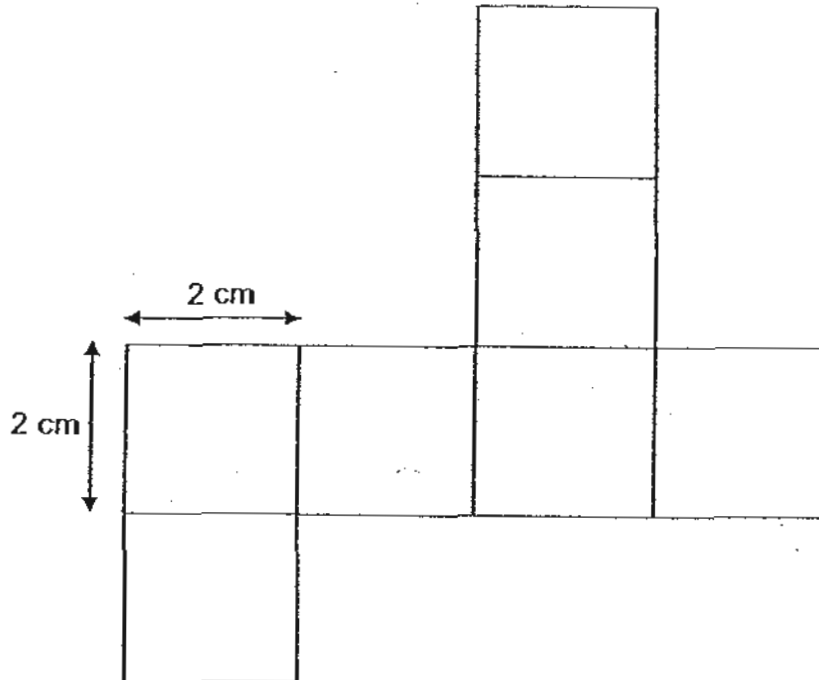
(1) 12

(2) 13

(3) 14

(4) 15

15. The figure below is made up of 2-cm squares.



What is the area of the figure?

- (1)  $7 \text{ cm}^2$                       (2)  $14 \text{ cm}^2$   
(3)  $28 \text{ cm}^2$                       (4)  $32 \text{ cm}^2$

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**MATHEMATICS**

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

Primary 4

Duration: 1 h 45 min

**Booklet B**  
**Section A (2 marks each)**

Show your working clearly in the space below each question and write your answers in the spaces provided. Give your answers in the units stated.

16. Arrange the numbers in order beginning with the smallest.

34 680

33 903

34 759

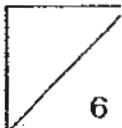
Ans: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(smallest) (greatest)

17.  $45 \times 26 =$  \_\_\_\_\_

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

18.  $87\,495 = 80\,000 +$  \_\_\_\_\_  $+ 400 + 90 + 5.$

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



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19. Which of the following has 8 as a factor?

15

18

40

54

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

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20. Find the value of  $5 - \frac{2}{5} - \frac{1}{10}$ .

Express the answer in the simplest form.

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

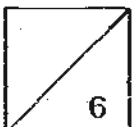
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21. Arrange the following fractions from the greatest to the smallest.

$\frac{11}{12}$  ,  $\frac{5}{6}$  ,  $\frac{5}{12}$

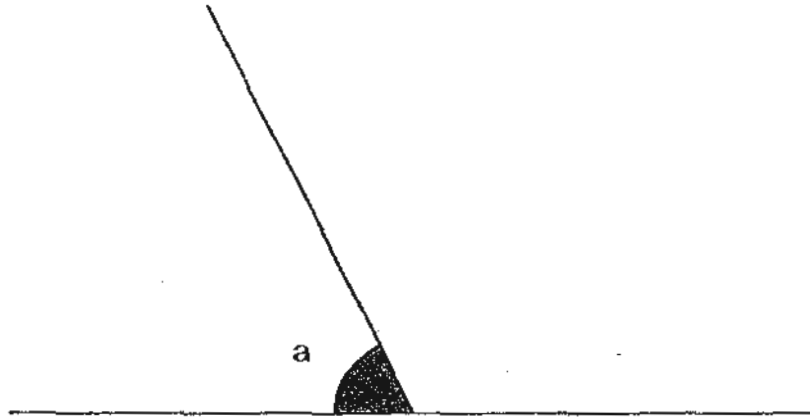
Ans: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(greatest) (smallest)

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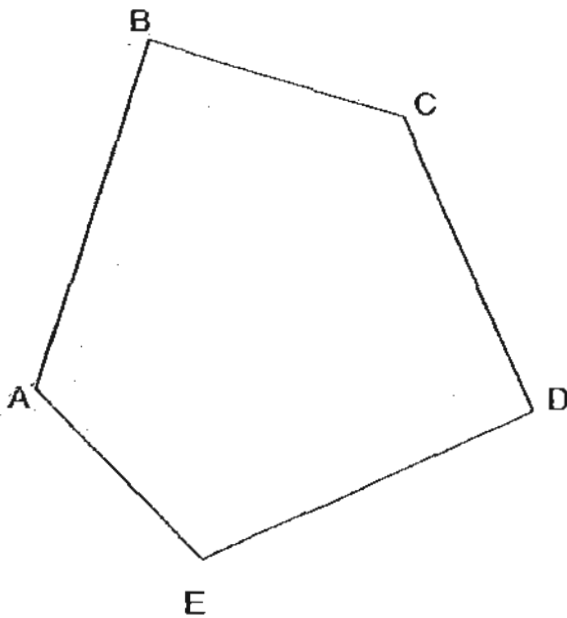
22. Measure  $\angle a$ .

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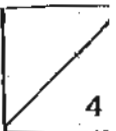


Ans: \_\_\_\_\_°

23. Name a pair of perpendicular lines in the figure.



Ans: \_\_\_\_\_  $\perp$  \_\_\_\_\_



24. What is the sum of the values of digit '5' in  $\boxed{58\,392}$  and  $\boxed{450}$  ?

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

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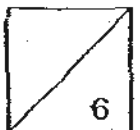
25. Dave and Sam have 286 stamps. Dave has 22 less stamps than Sam.  
How many stamps does Dave have?

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

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26. A dictionary costs \$28. If each textbook costs half as much as the  
dictionary, how much do 9 textbooks cost?

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



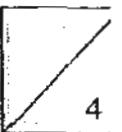
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27. A number is a common multiple of 3 and 4. It is a two-digit number. It is less than 50. The sum of the two digits is 9. What is the number?

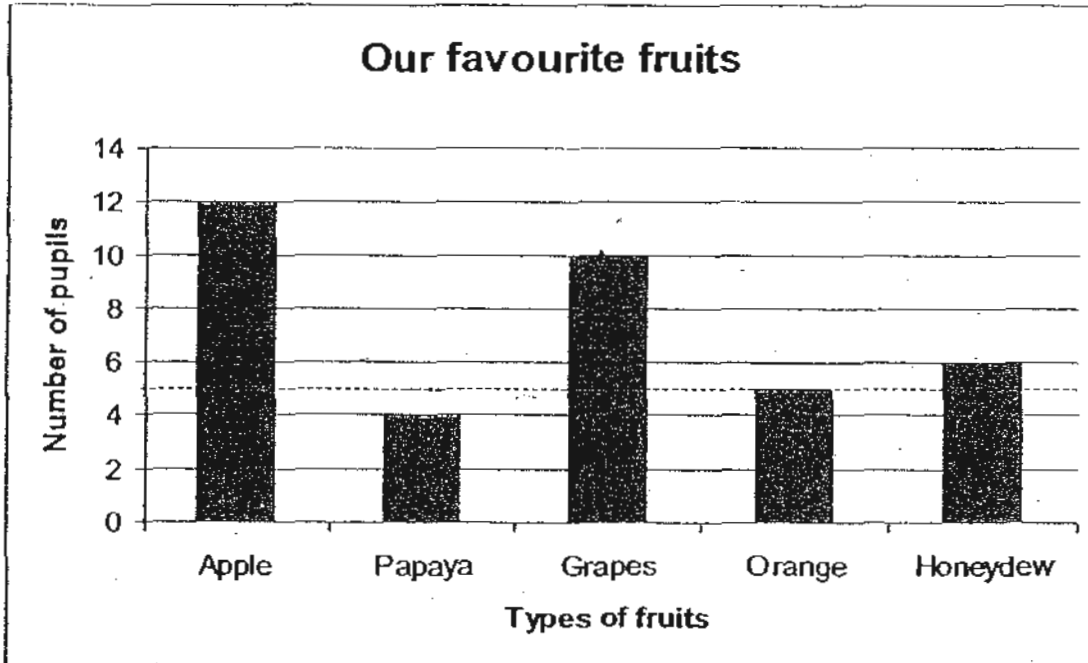
Ans: \_\_\_\_\_

- 
28. Dave earns \$2700 a month. He saves  $\frac{1}{9}$  of his monthly salary and spends the rest. How much does he spend?

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

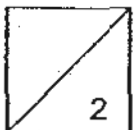


29. The bar graph shows the various types of fruits the pupils like in a class. Study the graph carefully and answer Questions 29.

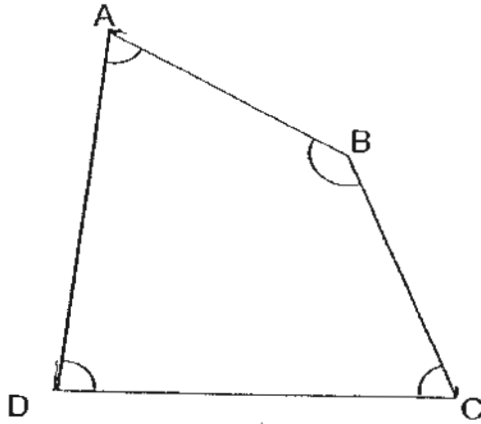


Which fruit was thrice as popular as papaya?

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

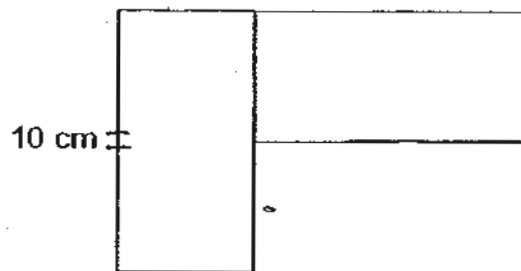


30. The figure below is not drawn to scale. Which one of the angles in the figure below could be  $110^\circ$ ?

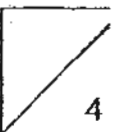


Ans:  $\angle$  \_\_\_\_\_

31. The figure below is made up of 2 identical rectangles. The length of the rectangle is twice that of the breadth. What is the perimeter of the figure?



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



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32. A machine can produce 10 cartons of milk in an hour. How many hours are required to produce 160 cartons of milk?

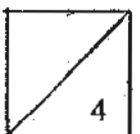
Ans: \_\_\_\_\_ hours

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33.  $\frac{1}{6}$  of the audience in the concert hall are men.  $\frac{2}{3}$  of them are women. The rest are children. If there are 260 children, how many people attended the concert?

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

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34. Study the table below carefully. Peggy has twice as many stickers as John. Ally has thrice as many stickers as Peggy. What is the total number of stickers they have altogether?

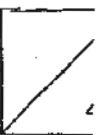
	<i>Peggy</i>	<i>John</i>	<i>Ally</i>
<i>No. of stickers</i>	200	100	600

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

35. A gardener placed pots of flowers from point A to point B as shown below. Each pot of flowers is 2m apart. If he placed 18 pots of flowers altogether, find the distance between A and B.



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



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

Date: \_\_\_\_\_

Primary 4

Duration: 1 h 45 min

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**Booklet B  
Section B**

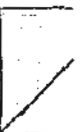
**Work out the following problems. All working must be clearly shown in spaces provided.**

**The number of marks available is shown in brackets [ ] at the end of each question or part-question.**

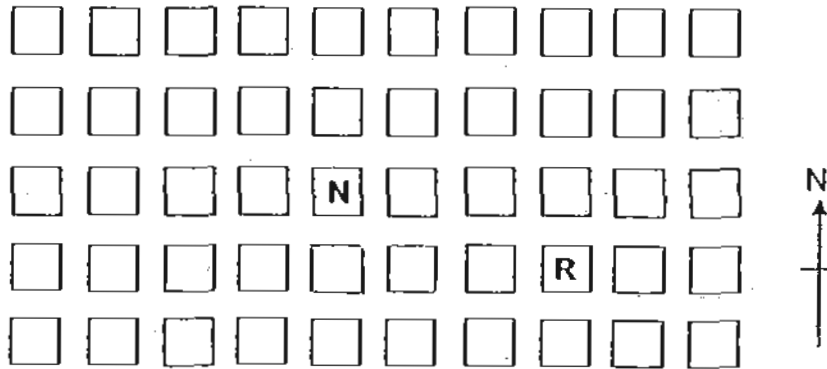
36. Draw the given angle. Name and mark the angle clearly.

$$\angle ABC = 125^\circ$$

[3]



37a) Look at the diagram of a classroom below.

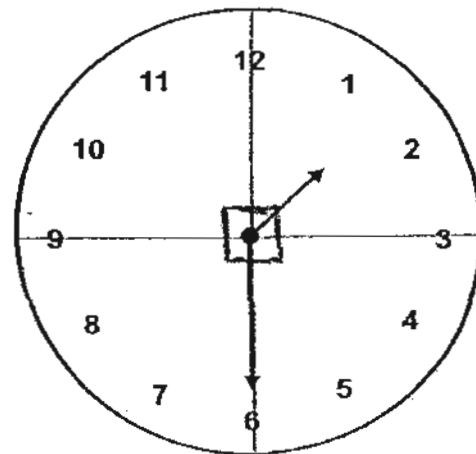


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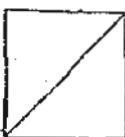
Nadine sits at the seat marked N and Ryan sits at the seat marked R.

Shade the seat that is west of Ryan and south of Nadine. [2]

37 b) How many right angles has the minute hand turned through from 1.30p.m. to 3p.m? [3]



Ans: \_\_\_\_\_ [2]

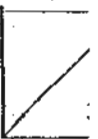


38. Andrew read  $\frac{3}{8}$  of a book on Sunday and  $\frac{1}{4}$  of the book on Monday.

If he has read 250 pages, how many pages are there in the book?

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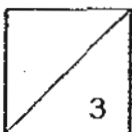
Ans: \_\_\_\_\_ [3]



39. Ethan is 14 years older than Alexandra. 5 years ago, the sum of their age was 46. How old is Ethan now?

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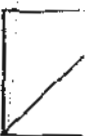
Ans: \_\_\_\_\_ [3]



40. Catherine, Sammy and Alex bought 253 T-shirts altogether. Alex bought 30 T-shirts fewer than Sammy. Sammy bought 28 T-shirts fewer than Catherine. Find the number of T-shirts Catherine bought.

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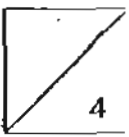
Ans: \_\_\_\_\_ [4]



41. Jasmine bought a book, 2 pens and a pencil. A book cost 4 times as much as a pen. The cost of a pen was twice the cost of a pencil. Jasmine spent \$13 in all. Find the cost of the book.

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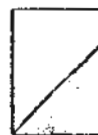
Ans: \_\_\_\_\_ [4]



42. Kim and Judy had the same number of stickers at first. After Kim bought another 23 stickers and Judy lost 5 stickers, Kim had twice as many stickers as Judy. How many stickers did each of them have at first?

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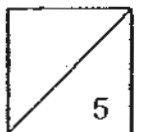
Ans: \_\_\_\_\_ [4]



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43. A group of pupils and their teachers went on an excursion. The school paid \$105 for their lunch. The cost of an adult's lunch is \$5 and a child's lunch is \$3. Given that there were 10 times as many pupils as teachers, how many people went on the excursion?

Ans: \_\_\_\_\_ [5]



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END OF PAPER

PLEASE CHECK YOUR WORK.

# ANSWER SHEET

**EXAM PAPER 2010**

**SCHOOL : SCGS PRIMARY  
SUBJECT : PRIMARY 4 MATHEMATICS**

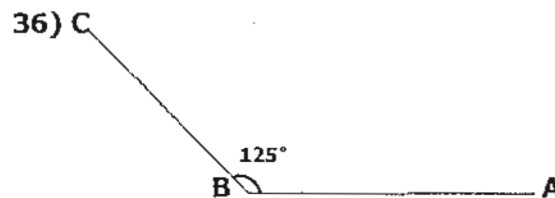
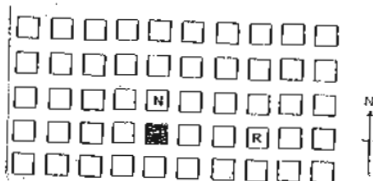
**TERM : SA1**

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

- 16) 33903, 34680, 34759                      17) 1170                      18) 7000                      19) 40
- 20)  $4\frac{1}{2}$                       21)  $11/12, 5/6, 5/12$                       22)  $64^\circ$                       23)  $AB \perp BC$                       24) 50050
- 25) 132 stamps                      26) \$126                      27) 36                      28) \$2400                      29) Apple
- 30)  $\angle ABC$                       31) 50cm                      32) 16                      33) 1560 people                      34) 900 stickers

35) 34m

37)a)



37b) 6

38) No. of pages in the book  $\rightarrow 50 \times 8 = 400$

42)  $1u \rightarrow 23 + 5 = 28$   
Judy  $\rightarrow 28 + 5 = 33$

39) total age (now)  $\rightarrow 10 + 46 = 56$   
 $2u \rightarrow 56 + 14 = 70$   
Ethan  $\rightarrow 70 \div 2 = 35$

43)  $10 \times 3 = 30$   
 $5 \times 1 = 5$   
 $30 + 5 = 35$   
 $105 \div 35 = 3$   
 $3 \times 10 = 30$   
 $3 \times 1 = 3$   
 $30 + 3 = 33$

40)  $3u \rightarrow 253 - 88 = 165$   
 $1u \rightarrow 165 \div 3 = 55$   
Catherine  $\rightarrow 55 + 30 + 28 = 113$

41)  $1u \rightarrow 13 \div 13 = 1$   
Book  $\rightarrow 1 \times 8 = \$8$