

Name: _____ ()

Class : Primary 4. _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2012 Semestral Assessment One

Booklet A

8 May 2012

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 8 printed pages including the cover page.

4033

SECTION A: (20 X 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1,2,3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. 10 hundreds more than 84 090 is _____.

- | | |
|-----------|-----------|
| 1) 83 090 | 2) 84 190 |
| 3) 85 090 | 4) 94 090 |

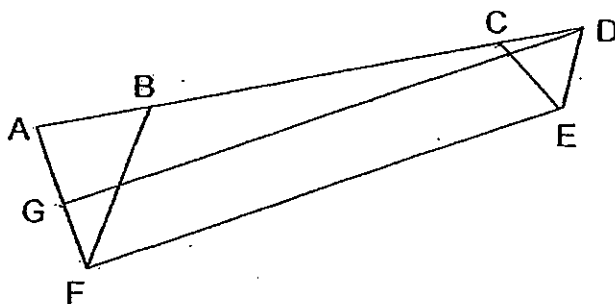
2. The digit 3 in the sum of 14 789 and 20 653 stands for _____.

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

3. 102 hundreds is 26 tens less than _____.

- | | |
|-----------|-----------|
| 1) 1 280 | 2) 9 940 |
| 3) 10 174 | 4) 10 460 |

4. In the figure below, which of the following two lines are parallel?



- | | |
|--------------|--------------|
| 1) AD and EF | 2) BF and DE |
| 3) AF and CE | 4) DG and EF |

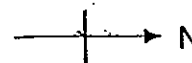
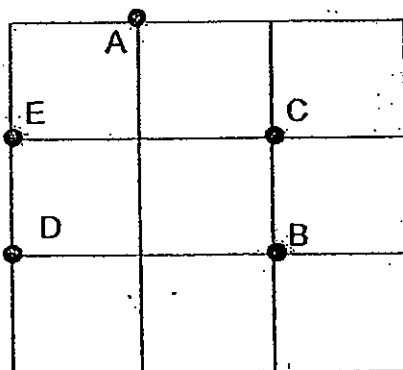
5. How many common factors are there in the numbers 36 and 42?

- 1) 3
- 2) 4
- 3) 5
- 4) 6

6. 40 011 , 40 001 , _____ , 39 981

- 1) 40 010
- 2) 40 000
- 3) 39 891
- 4) 39 991

7. Which point, A, B, D or E, is south-west of C?

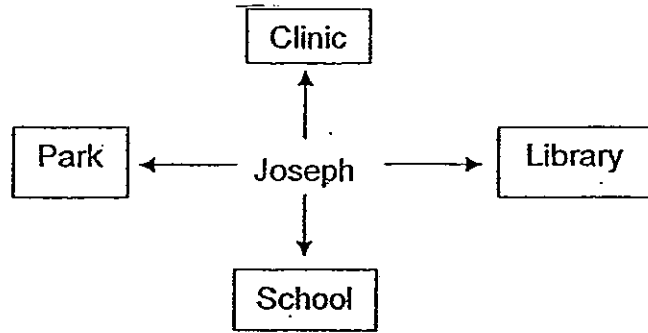


- 1) A
- 2) B
- 3) D
- 4) E

8. When rounded off to the nearest hundred, there are 7600 cans of food collected during a food donation drive. What is the greatest possible number of cans collected?

- 1) 7 649
- 2) 7 651
- 3) 7 749
- 4) 7 751

17.



Joseph is facing the school. What will he be facing if he makes a $\frac{3}{4}$ -turn in an anti-clockwise direction?

- 1) Clinic
- 2) Library
- 3) School
- 4) Park

18. What is the difference between $4\frac{3}{4}$ and $6\frac{3}{8}$?

- 1) $1\frac{3}{8}$
- 2) $1\frac{5}{8}$
- 3) $2\frac{3}{8}$
- 4) $2\frac{5}{8}$

19. Mrs Soh bought a 4-kg cake for a party. Her family ate $1\frac{2}{3}$ kg of the cake. Then she gave away $1\frac{1}{6}$ kg of cake to her neighbours. How much cake did she have left?

- 1) $1\frac{1}{6}$ kg
- 2) $1\frac{5}{6}$ kg
- 3) $2\frac{1}{6}$ kg
- 4) $2\frac{5}{6}$ kg

20. The table below shows the number of girls and boys in two classes:

| | Girls | Boys | Total |
|--------------|-------|------|-------|
| Pupils in 4A | ? | 19 | ? |
| Pupils in 4B | ? | ? | ? |
| Total | ? | 37 | 88 |

If there are twice as many girls as boys in Primary 4B, how many girls are there in Primary 4A?

- 1) 15
- 2) 18
- 3) 36
- 4) 51

End of Booklet A

Name : _____ ()

Class : Primary 4. _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2012 Semestral Assessment One

Booklet B

8 May 2012

| | |
|-------------|-------|
| Booklet A : | / 40 |
| Booklet B : | / 60 |
| Total : | / 100 |

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

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Follow all instructions carefully.

Answer all questions.

This booklet consists of 13 printed pages including the cover page.

SECTION B: (20 x 2 marks)

Write your answers in the blanks provided. Show your working clearly.

21. Find the product of the 8th multiple of 2 and the 3rd multiple of 7.

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in this space

Ans : _____

22. Look at the pattern below.

| Row | Number of ♥ |
|-----|-------------------------|
| 1 | ♥ ♥ |
| 2 | ♥ ♥ ♥ ♥ |
| 3 | ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ |
| 4 | ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ |
| . | . |
| . | . |
| . | . |
| 7 | ? |

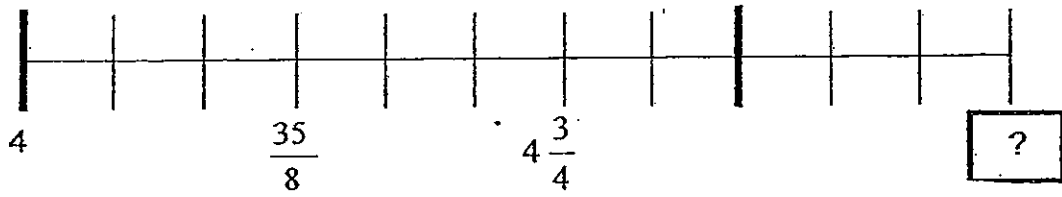
How many ♥ will there be in row 7?

Ans : _____



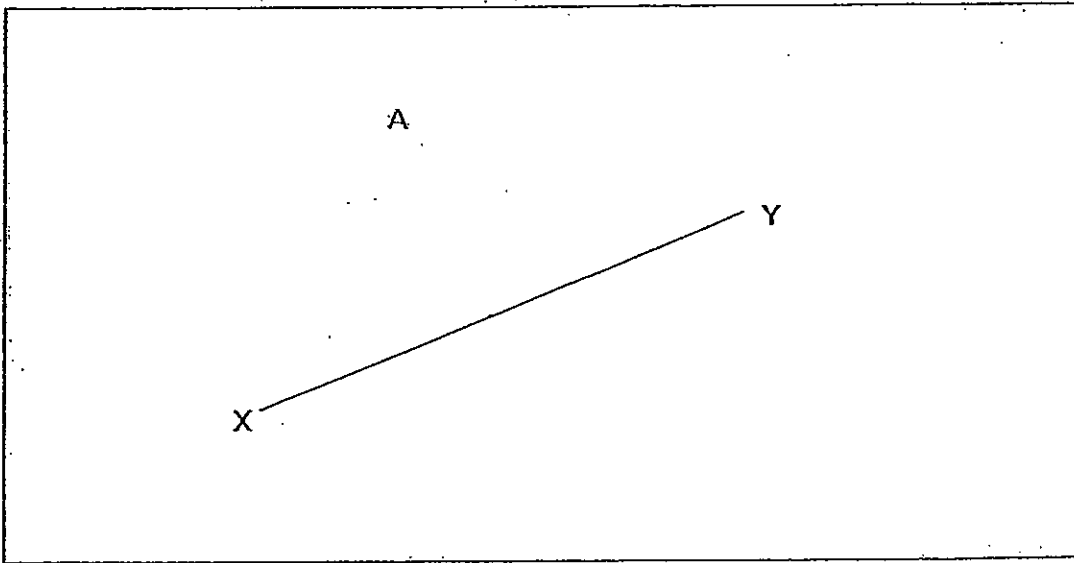
23. What is the missing mixed number in the box?

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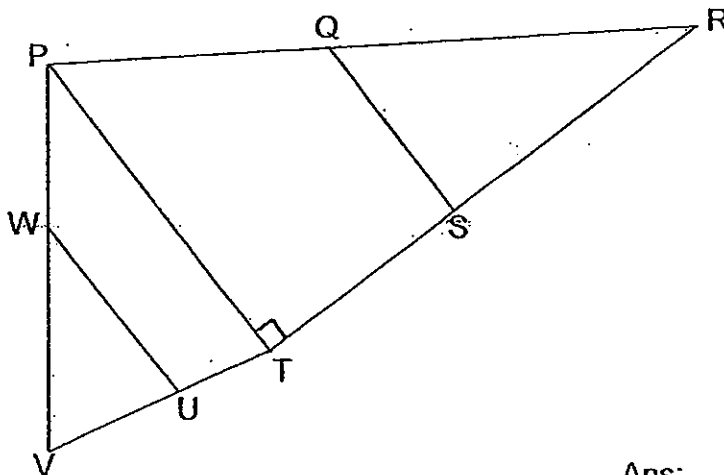


Ans : _____

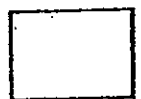
24. In the box below, draw a line perpendicular to XY that passes through point A.



25. Which line is parallel to QS and perpendicular to TR?

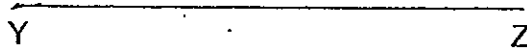


Ans: _____



26. Using the straight line YZ given below, draw $\angle XYZ$ equal to 135° . Label $\angle XYZ$ clearly.

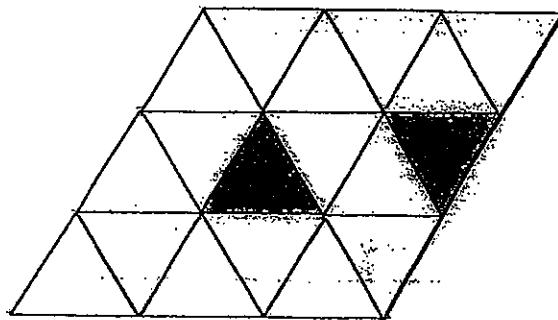
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27. Lina has 319 red beads and 34 fewer green beads than red beads. She wants to pack all of the beads into packets of 8 beads. What is the smallest number of packets she needs to pack all the beads?

Ans : _____

28. The figure below is made up of 18 identical triangles. How many more triangles must be shaded so that $\frac{2}{3}$ of the figure is shaded?



Ans : _____



29. The table below shows the total marks Esther scored in English, Chinese, Mathematics and Science.

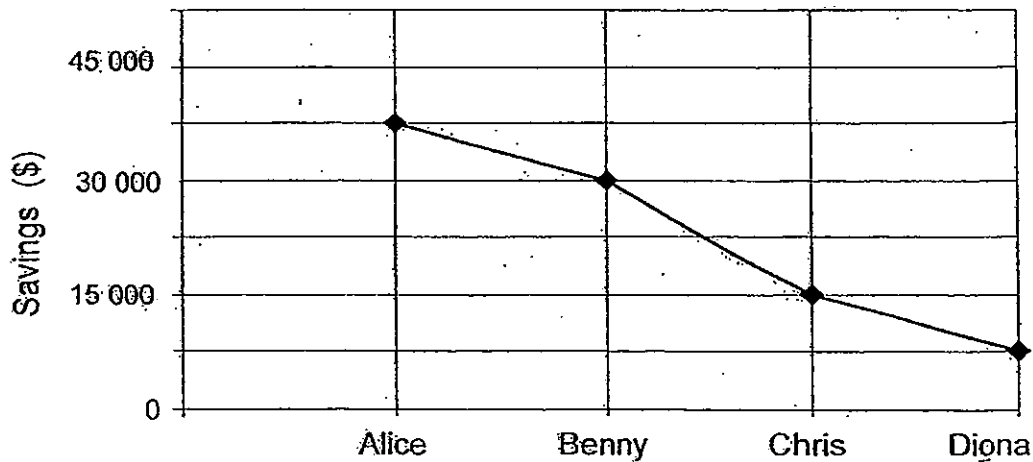
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| Subjects | Total Marks |
|-------------------------|-------------|
| Chinese and Mathematics | 151 |
| English and Mathematics | 147 |
| Chinese and Science | 141 |

Esther's Science marks were half of her Chinese marks. How many marks did she obtain for English?

Ans : _____

30. The graph below shows the amount of money saved up by four siblings to buy a car. The car costs \$98 015. How much more money do they need to save?

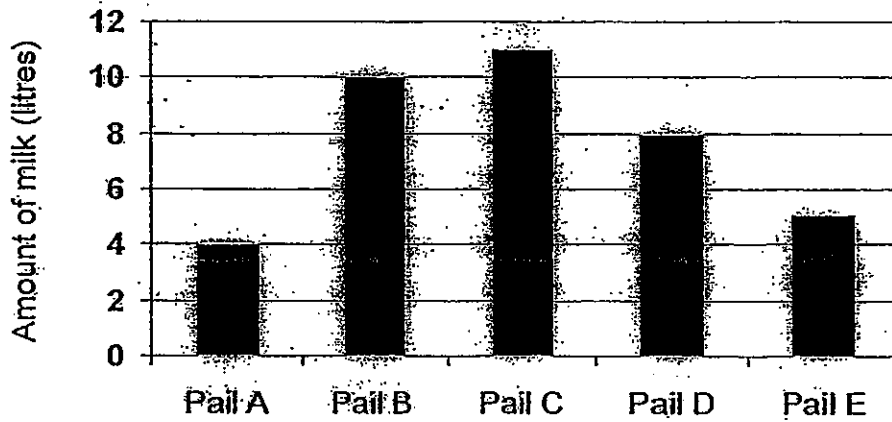


Ans : \$ _____



31. The graph below shows the amount of milk in 5 pails. If every litre of milk can fill 4 cups with milk, how many such cups can pails A and D fill in all?

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Ans : _____

32. The product of two facing pages of a book is 210. What are the two pages?

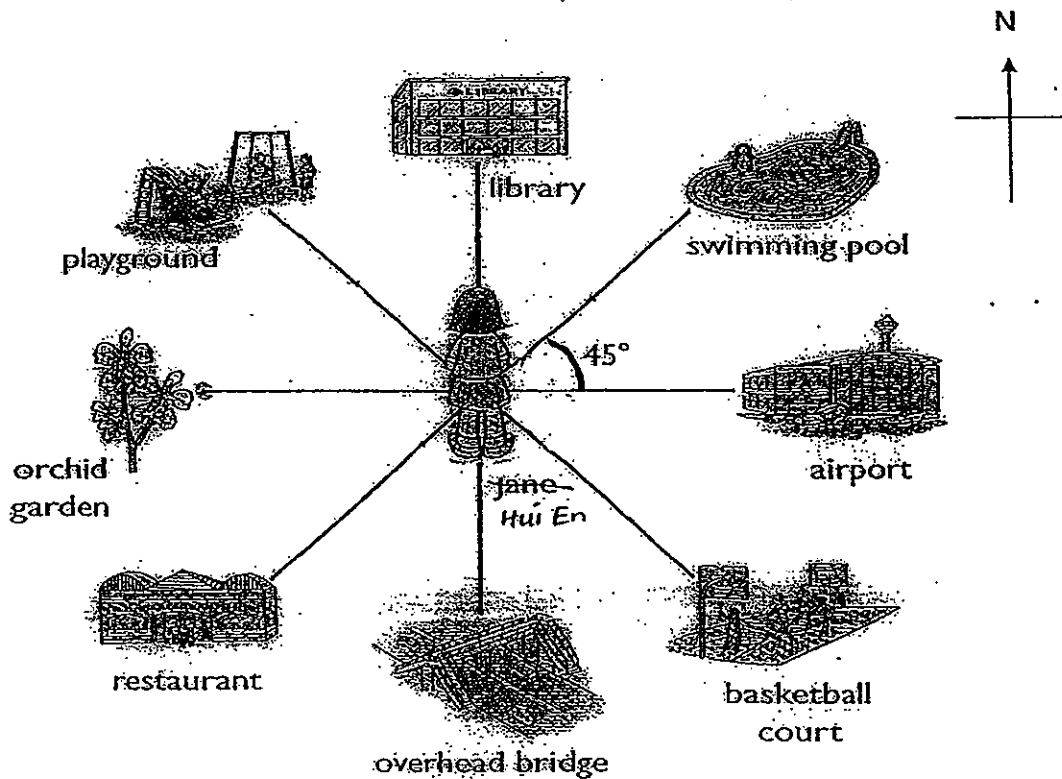
Ans : _____ and _____



33. After 728 library books have been loaned to pupils, $\frac{4}{11}$ of the books remained in the library. How many books were there at first?

Ans : _____

34. When Hui En turns through an angle of 225° in the anti-clockwise direction, she will face the orchid garden. Where was she facing at first?



Ans : _____



35. Cain had 96 marbles. 32 marbles were yellow, 24 were red and the rest were blue. What fraction of the marbles were blue? Leave your answer in the simplest form.

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Ans: _____

36. There were 8 groups of participants at a workshop. Each group had 49 participants. The participants were then regrouped into 7 groups. How many participants were there in each of the 7 groups then?

Ans : _____

37. There are 19 times as many pupils as teachers at a concert. If there are 75 teachers and 809 girls, how many boys are there at the concert?

Ans : _____



38. Mr Heng received a bonus of \$4842. He gave his wife $\frac{1}{3}$ of it. Then he shared the remaining amount equally with his two daughters. How much did each daughter receive?

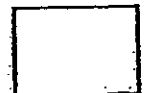
Ans : _____

39. Baker Weng had a sack of flour weighing 24 kg. He used $\frac{5}{8}$ of it to bake bread. How much flour did he have left? Leave your answer in kg.

Ans : _____ kg

40. 3 children were told to round off the number of sweets in a bag to the nearest ten. Adil's answer was 50. Boaz's answer was 60 while Ran's answer was 70. The actual number of sweets is a 2-digit number that is a multiple of 7. The sum of the digits in the number is 9. Which child gave the correct answer?

Ans : _____



SECTION C: (20 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

41. Muthu bought 20 apples, 9 kg of bananas and 8 kg of papaya. He paid for all the fruits with a fifty-dollar note. How much change will he receive?

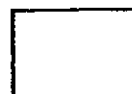
| Fruit | Price |
|--------|--------------|
| Apples | 5 for \$2.40 |
| Banana | \$2 for 3 kg |
| Papaya | \$3 for 2 kg |

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Ans : _____ (3m)

42. Amanda read $\frac{1}{3}$ of a book on Saturday and $\frac{2}{9}$ of the same book on Sunday. She had 1020 pages left to be read. How many pages were there in the book?

Ans : _____ (3m)



43. Jacob and Paul had an equal number of trading cards. In a game, Jacob lost $\frac{7}{8}$ of his trading cards while Paul lost $\frac{1}{4}$ of his trading cards. Then Jacob had four times as many trading cards as Paul. How many trading cards did Paul have at first?

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Ans : _____ (3m)

44. Mrs. Lim bought $\frac{3}{8}$ of the shoes at a closing down sale of a factory. She paid \$9 for each pair of shoes. If all the shoes cost her \$1323, how many pairs of shoes were on sale?

Ans : _____ (3m)



45. At a durian plantation, there were a number of durians on sale. For every 16 durians bought, 2 durians were given away free. Mr Yusoff received a total of 96 durians free while Mr Hong received 112 durians free. If there were 45 durians left, how many durians were on sale ?

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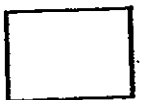
Ans : _____ (4m)



46. A number of pupils were told to stand in a straight line to welcome the guest-of-honour at a concert. The distance between every 2 pupils was 1m. The pupil in the middle was 9m away from the third pupil in the line. How many pupils were there in the line altogether?

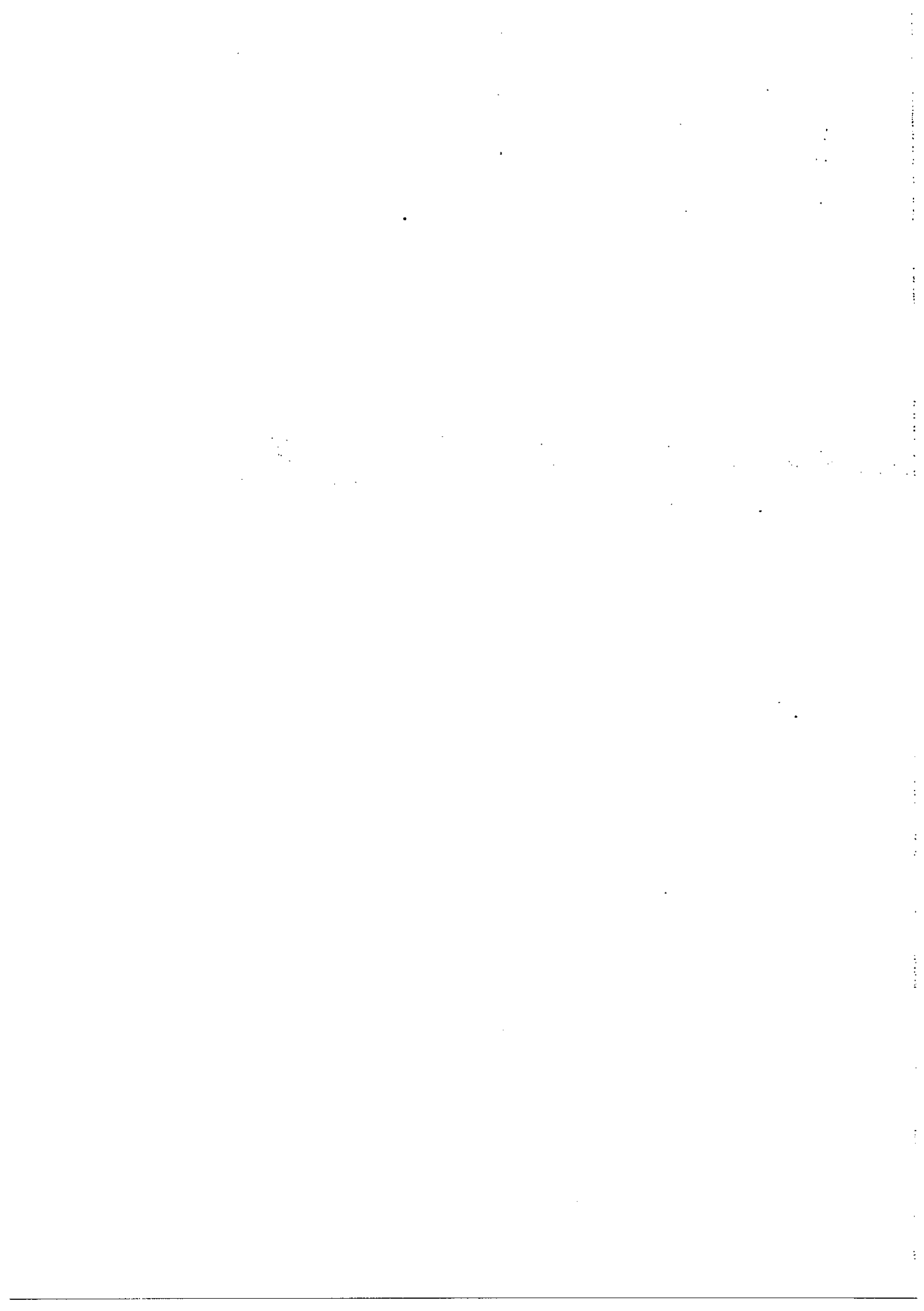
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Ans : _____ (4m)



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21



ANSWER SHEET

EXAM PAPER 2012

SCHOOL : CHIJ
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

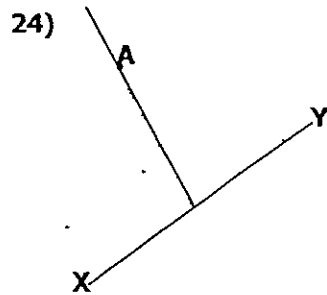
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3 | 4 | 4 | 4 | 2 | 4 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 2 | 2 | 3 | 4 |

| Q18 | Q19 | Q20 |
|-----|-----|-----|
| 2 | 1 | 1 |

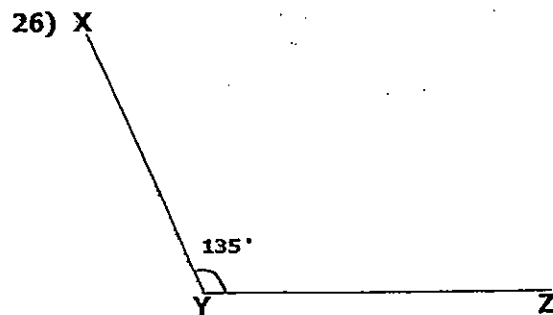
21) $8 \times 2 = 16$
 $7 \times 3 = 21$
 $21 \times 16 = 336$

22) $5 + 6 + 7 = 18$
 $11 = 18 = 29$

23) $5\frac{3}{8}$



25) PT



27) $319 - 34 = 285$
 $319 + 285 = 604$
 $604 \div 8 = 75 \text{ R}4$
 $75 + 1 = 76$

28) $\frac{2}{3}$ of $18 = 12$
 $12 - 2 = 10$

29) $141 \div 3 = 47$
 $47 \times 2 = 94$
 $161 - 94 = 57$
 $147 - 57 = 90$

30) $1500 \div 2 = 7500$ (D)
 37500 (A) + 7500 (D) + 30000 + $15000 = 90000$
 $98015 - 90000 = \$8015$

31) $8 + 4 = 12$
 $12 \times 4 = 48$ cups

32) Factors of 210

| |
|--|
| $\underline{\quad} \times \underline{\quad} 210$ |
|--|

$14 \times 15 = 210$ ✓
 $21 \times 10 = 210$ X

33) $11/11 - 4/11 = 7/11$
 $7/11 \rightarrow 728$
 $728 \div 7 = 104$
 $104 \times 11 = 1144$

34) basketball

35) $y + R \rightarrow 32/9 + 24/96$
 $= 4/12 + 3/12 = 7/12$
 $B \rightarrow 1 - 7/12 = 5/12$

36) $49 \times 8 = 392$
 $392 \div 7 = 56$

37) $75 \times 19 = 1425$
 $1425 - 809 = 616$

38) $4842 \div 3 = 1614$ (wife)
Remain $\rightarrow 4842 - 1614 = 3228$
 $3228 \div 3 = \$1076$

39) $24 \div 8 = 3$
 $3 \times 5 = 15$
 $24 - 15 = 9$ kg

40) Boaz

41) $20 \div 5 = 4$ (set of apple)

$9 \div 3 = 3$ (banana)

$3 \times \$2 = \6

$8 \div 2 = 4$ (papaya)

$4 \times \$3 = \12

$\$9.60 + \$6 + \$12 = \27.60

$\$50 - \$27.60 = \$22.40$

He will receive \$22.40 changes.

42) $\frac{1}{3} + \frac{2}{9} = \frac{3}{9} + \frac{2}{9} = \frac{5}{9}$

$\frac{9}{9} - \frac{5}{9} = \frac{4}{9}$

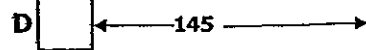
$\frac{4}{9} \rightarrow 1020$ pages

$1020 \div 4 = 255$

$255 \times 9 = 2295$

There were 2295 pages in the book.

43)



$145 - 73 = 72$

$72 \div 3 = 24 = 1$ unit

$24 + 145 = 169$

Paul had 169 trading cards at first.

44) $1323 \div 9 = 147$

$147 \div 3 = 49 = 1$ unit

$49 \times 8 = 392$

392 pairs of shoes were on sale.

45) $112 \div 2 = 56$

$96 \div 2 = 48$

$56 + 48 = 104$

$104 \times 16 = 1664$

$1664 + 112 + 96 + 45 = 1917$

There were 1917 durians on sale.

46) $12 + 11 = 23$

There were 23 pupils altogether.

