

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2013 Semestral Assessment One

Booklet A

13 May 2013

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

Do not open the booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 9 printed pages including the cover page.

SECTION A: (20 x 2 marks)

For each question, four options are given. One of them 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. 65 hundreds more than 15 003 is _____.

1) 15 068

2) 15 653

3) 21 503

4) 80 003

2. The value of the digit 2 in the difference between 85 300 and 24 090 is _____.

1) 20

2) 200

3) 2 000

4) 20 000

3. 3840 is 15 tens less than _____.

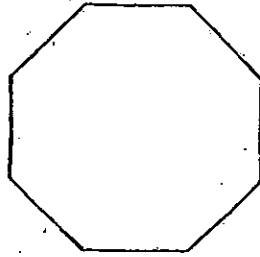
1) 3990

2) 3855

3) 3825

4) 3690

4. How many pairs of parallel lines are there in the figure below?



1) 1

2) 2

3) 3

4) 4

5. Which one of the following is the first common multiple of 2 and 6?

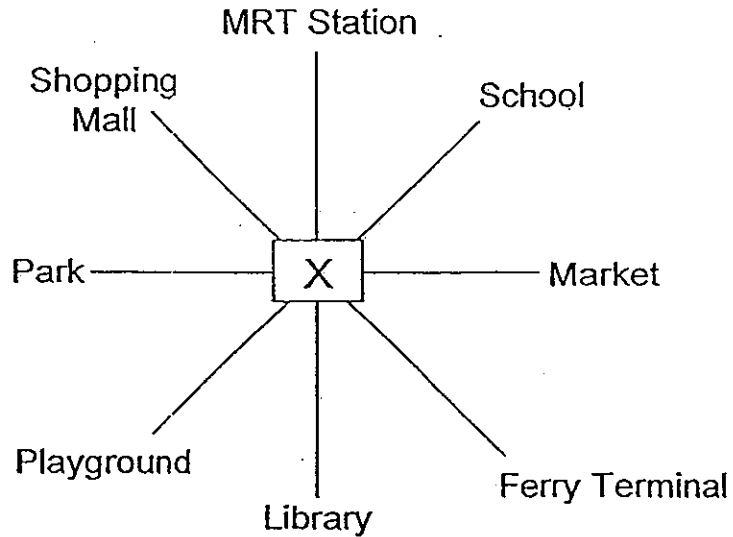
1) 1

2) 2

3) 6

4) 12

The figure below shows the different places in Rainbow City.
Use the figure to answer questions 6 and 7.



6. Mr Thomas is standing at point X, facing the playground. He makes a $\frac{3}{4}$ - turn to his left. He will face the _____.

- | | |
|-------------------|----------------|
| 1) Ferry Terminal | 2) School |
| 3) Shopping Mall | 4) MRT Station |

7. Mr Thomas faces the library after making a 135° clockwise turn. Where was Mr Thomas facing before he made the turn?

- | | |
|------------------|----------------|
| 1) Shopping Mall | 2) MRT Station |
| 3) Market | 4) School |

8. There are 306 bags of cookies. Each bag contains 59 cookies. How many cookies are there altogether?

1) 4 284

2) 4 424

3) 18 054

4) 18 644

9. Find the value of $\frac{2}{3}$ of 24.

1) 10

2) 12

3) 14

4) 16

10. Amber bought 4536 balloons. She bought four times as many balloons as Bobby. How many balloons must Amber give to Bobby so that they have an equal number of balloons?

1) 3402

2) 2835

3) 1701

4) 1134

11. What is the missing number in the box?

$$2\frac{3}{12} = \frac{\boxed{?}}{4}$$

1) 1

2) 5

3) 9

4) 27

12. Joanne, Kelly and Wenny bought some cookies. Joanne bought $\frac{1}{3}$ kg of cookies.

Kelly bought $\frac{5}{6}$ kg of cookies and Wenny bought 1 kg of cookies. How much cookies did Joanne, Kelly and Wenny buy altogether?

1) $2\frac{1}{6}$ kg

2) $1\frac{2}{3}$ kg

3) $1\frac{1}{3}$ kg

4) $4\frac{1}{6}$ kg

13. There are 48 pupils in a class. $\frac{3}{8}$ of them are boys. How many girls are there in the class?

1) 6

2) 16

3) 18

4) 30

14. In a school, there are 7 350 chairs when rounded off to the nearest ten. What is the smallest possible number of chairs in the school?

1) 7344

2) 7345

3) 7351

4) 7354

15. Xiao Jing had \$5 350. Kai En had \$3 710 more than Xiao Jing. How much money did they have altogether? Round off your answer to the nearest hundred dollars.

1) \$12 800

2) \$14 400

3) \$14 410

4) \$15 500

16. Using the digits 1, 0 and 4, what is the maximum number of ways to form 3-digit numbers?

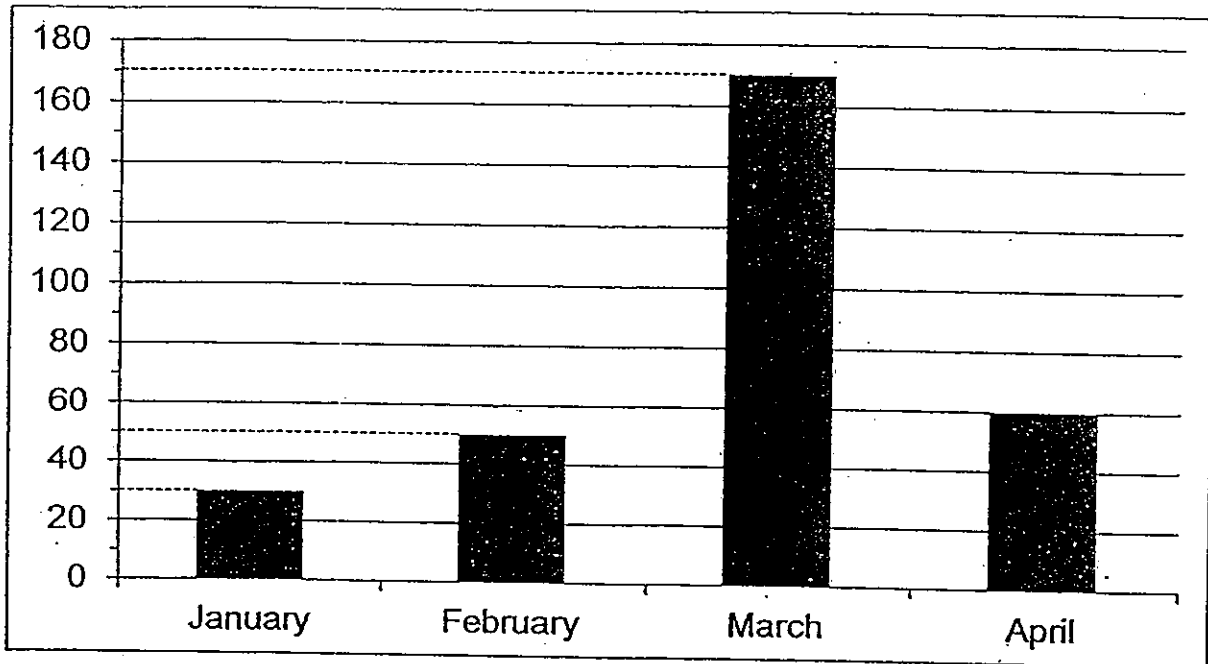
1) 6

2) 5

3) 3

4) 4

The graph shows the number of people who visited Pulau Ubin over four months. Use the graph to answer Question 17.



17. There were 40 more adults than children who visited Pulau Ubin. How many children visited Pulau Ubin over the four months?

- 1) 350
- 2) 270
- 3) 175
- 4) 135

18. Sam sold 8 tortoises and 5 hamsters. He sold 7 fewer hamsters than birds. What fraction of the total number of animals sold were hamsters?

- 1) $\frac{1}{5}$
- 2) $\frac{1}{4}$
- 3) $\frac{5}{12}$
- 4) $\frac{5}{8}$

19. Mrs Lim's age is thrice of Hannah's age. Mr Tan is 3 years older than Mrs Lim. If their total age is 66 years old, how old is Mrs Lim?

1) 21

2) 23

3) 27

4) 30

20. The table below shows the number of tins of canned food donated by pupils in Primary 4A.

| | | | | | |
|---------------------------------------|---|----|----|---|---|
| Number of tins of canned food donated | 0 | 1 | 2 | 3 | 4 |
| Number of pupils | 4 | 13 | 10 | 7 | 5 |

How many tins of canned food did the pupils donate altogether?

1) 10

2) 39

3) 74

4) 78

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2013 Semestral Assessment One

Booklet B

13 May 2013

Parent's / Guardian's Signature

| | |
|-----------------|-------|
| Section A : | / 40 |
| Section B & C : | / 60 |
| Total Marks: | / 100 |

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

This booklet consists of 14 printed pages including the cover page.

SECTION B: (20 x 2 marks)

Write your answers in the blanks provided. Show all number statements and workings clearly.

Do not write in this space.

21. Write fourteen thousand and ninety-five in numerals.

Ans: _____

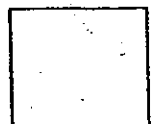
22. What is the sum of all the factors of 15?

Ans: _____

23. Using the digits given, form the smallest 5-digit even number.

0 5 4 1 7

Ans: _____



24. In the product of 759 and 24, the digit 8 is in the _____ place.

Do not
write in this
space.

Ans: _____

25. Study the number pattern below.

4, 16, 36, 64, , 144, 196

What is the missing number in the box?

Ans: _____



26. Round off each number to the nearest ten.

Then estimate the value of

$$1\ 563 + 697$$

Ans: _____

27. The distance between Daniel's home and his office is 30 km. He drove 27 km before his car broke down. Then he walked $\frac{7}{11}$ km. How far was Daniel away from his office? Express your answer in the simplest form.

Ans: _____ km

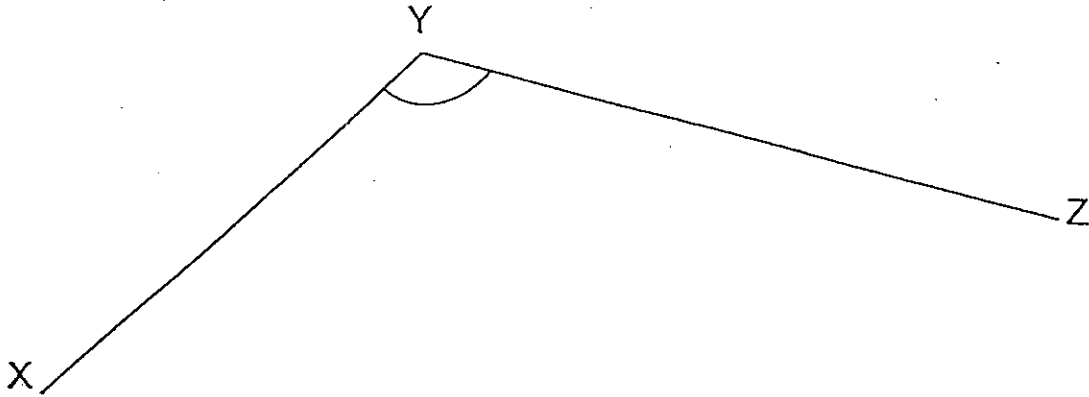
28. Mr Hong wants to buy a total of 6 381 pins. The pins are sold in packets of 6. What is the minimum number of packets of pins that Mr Hong needs to buy?

Ans: _____

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write in this
space.

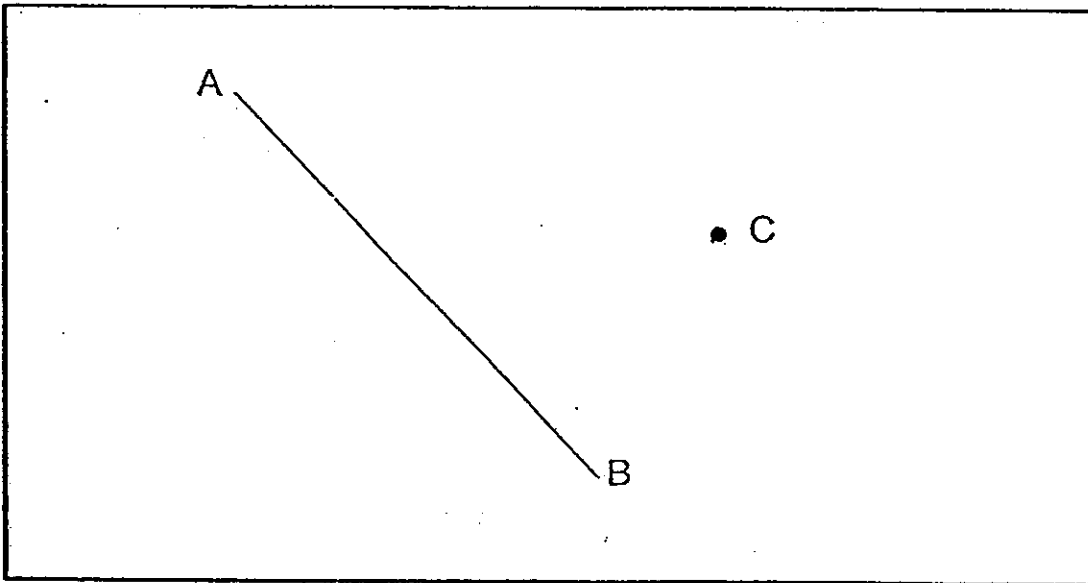


29. Measure $\angle XYZ$ with a protractor.

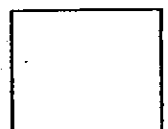


Ans : $\angle XYZ$ _____ $^\circ$

30. In the box below, draw a line perpendicular to the line AB through the point C .

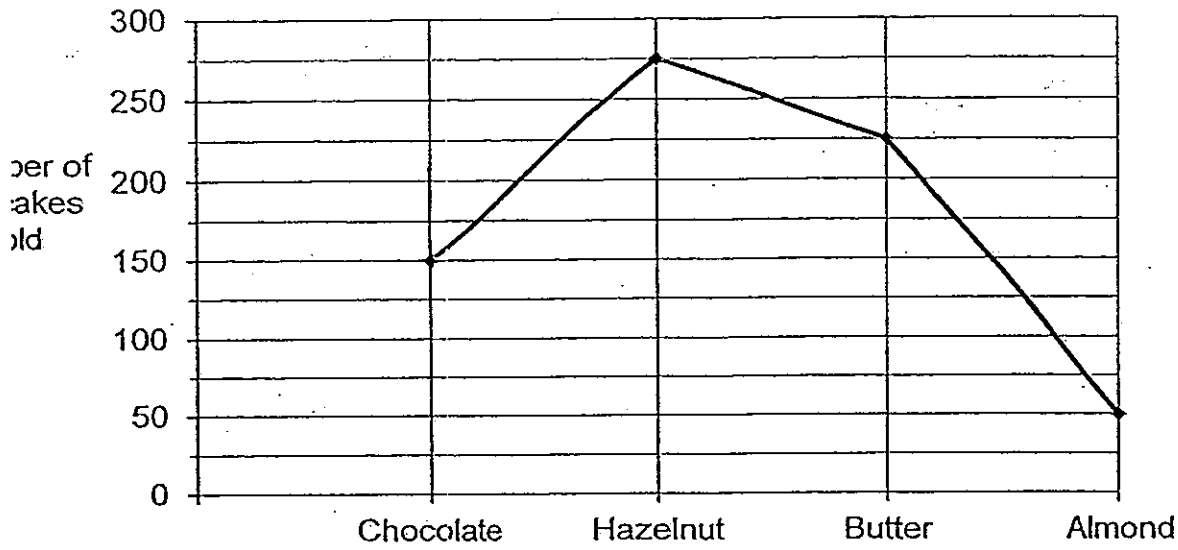


Do not write in this space.



The line graph shows the different types of cupcakes sold by Aunt May on Monday. Study the graph and answer questions 31 and 32.

Do not write in this space.



31. Aunt May sold $\frac{5}{7}$ of the total number of cupcakes to Company A. The rest of the cupcakes were bought by Company B. How many cupcakes did Company B buy?

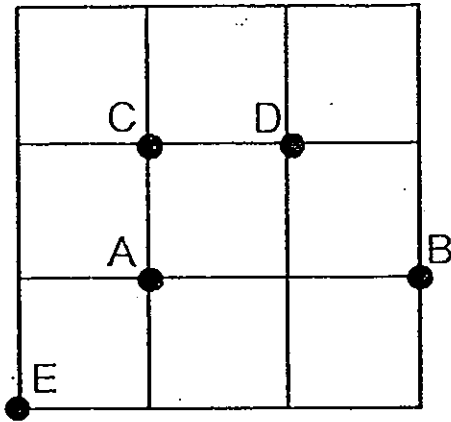
Ans: _____

32. Aunt May sold ~~the same number of~~ ^{a total of 2346} cupcakes on Tuesday and Wednesday. How many cupcakes were sold in all from Monday to Wednesday?

Ans: _____



33. Point A is north-east of Point _____.

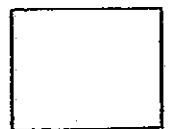


Do not write in this space.

Ans: Point _____

34. Vincent bought some red and blue pens. He bought 5 times as many red pens as blue pens. He bought 3380 more red pens than blue pens. How pens did he buy in all ?

Ans: _____



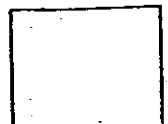
35. $\frac{1}{6}$ of the people who attended a sports carnival were children. The rest were adults. If there were 200 adults, how many people attended the sports carnival altogether?

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write in this
space.

Ans: _____

36. Jiang Han is thinking of a 2-digit number that is greater than 20. The number is also a common multiple of 2 and 7. What is the smallest possible number that Jiang Han is thinking of?

Ans: _____



37. There are 1572 apples in Bag A and Bag B. The number of apples in Bag A is $\frac{1}{2}$ the number of apples in Bag B. There are 150 more apples in Bag C than in Bag A. How many apples are there in Bag C?

Do not
write in this
space.

Ans: _____

38. Miss Koh bought 16 bags of marbles. Each bag contained 37 marbles. She distributed all the marbles equally among 8 children. How many marbles did each child receive?

Ans: _____

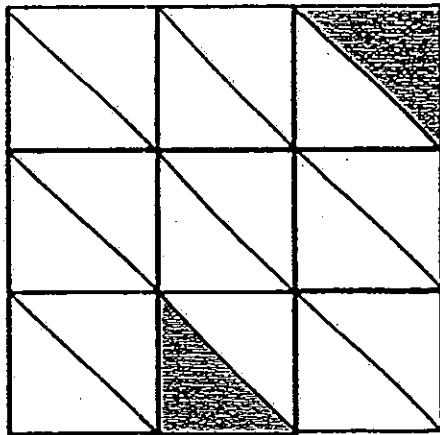


39. When a number is divided by 6, the remainder is 1. When the same number is divided by 5, it gives a remainder of 2. If the number is less than 40, what is the greatest possible number?

Do not write in this space.

Ans: _____

40. The figure below is made up of identical triangles. How many more triangles must be shaded such that $\frac{4}{9}$ of the figure is shaded?



Ans: _____





SECTION C: (20 marks)

Solve the following problems.

All mathematical workings and statements must be shown clearly.

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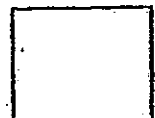
41. Billy's weekly pocket money is \$28. Every week, he spends $\frac{1}{4}$ of it on drinks and \$15 on food. He saves the rest of his pocket money. How much does he save in a month? (Take 1 month = 4 weeks)

Ans: _____ (3m)

42. Mr Lim bought some durians and apples. He spent a total of \$200 on the fruits. If he spent the same amount of money on each type of fruit, how many apples did he buy?

| Fruits | Price |
|---------|------------|
| Durians | 3 for \$20 |
| Apples | 7 for \$4 |

Ans: _____ (3m)



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write in this
space.

43. There were four times as many boys as girls at a party. After 105 boys left the party, there were twice as many girls as boys left. How many children were there altogether at first?

Ans: _____ (3m)

44. Seok Min used $\frac{1}{5}$ of a roll of ribbon to tie a present. Then she used another $\frac{1}{4}$ of the ribbon to tie a box. She was left with 440 cm of ribbon. What was the length of the roll of ribbon?

Ans: _____ (3m)



45. A basket containing 10 identical books has a mass of 4335 g. The same basket containing 4 identical books, has a mass of 2235 g. What is the mass of the empty basket?

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write in this
space.

Ans: _____ (4m)



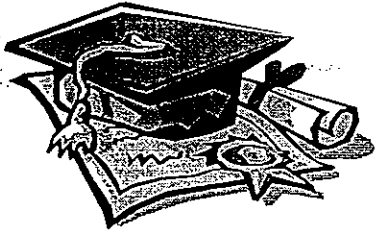
46. Michael ran a distance of 48 m. Sylvia ran $\frac{3}{4}$ of the distance that Michael ran. Chloe ran 5 km more than Sylvia. Find the total distance that Michael, Sylvia and Chloe ran?

Do not write in this space.

Ans: _____ (4m)

————— End of Paper —————





ANSWER SHEET

EXAM PAPER 2013

SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

SUBJECT : PRIMARY 4 MATHS

TERM : SA1

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

| | | |
|-----|-----|-----|
| Q18 | Q19 | Q20 |
| 1 | 3 | 3 |

Section B

Q21) 14095

Q22) 24

Q23) 10574

Q24) Thousands

Q25) 100

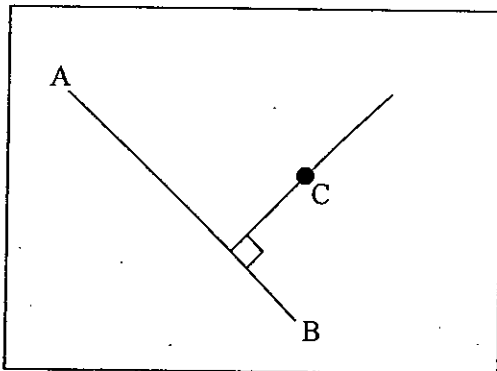
Q26) 2260

Q27) 3km

Q28) 1064 packets

Q29) 124°

Q30)



- Q31) 200 cupcakes
 Q32) 3046 cupcakes
 Q33) E
 Q34) 5070 pens
 Q35) 240 people
 Q36) 28
 Q37) 674
 Q38) 74 marbles
 Q39) 37
 Q40) 6 triangles

Section C

- Q41) $4/4 \rightarrow 28$
 $1/4 \rightarrow 28 \div 4 = 7$
 $28 - 7 = 21$
 $21 - 15 = 6$
 $6 \times 4 = \$24$
 He saves \$24 in a month

Q42)

| No of durians | Amount paid | No of apples | Amount paid | Total | Check |
|-------------------|--------------------------|---------------------|--------------------------|-------|-------|
| $5 \times 3 = 15$ | $20 \times 5 =$ \$100 | $7 \times 15 = 175$ | $4 \times 25 =$ \$100 | \$200 | ✓ |

He bought 175 apples

- Q43) $7u \rightarrow 105$
 $1u \rightarrow 105 \div 7 = 15$
 $10u \rightarrow 150$
 There were 150 children at first

- Q44) $1/5 + 1/4 = 9/20$
 $20/20 - 9/20 = 11/20$
 $11/20 \rightarrow 440$
 $1/20 \rightarrow 440 \div 11 = 40$
 $20/20 \rightarrow 40 \times 20 = 800$
 The length of the ribbon was 800cm.

Q45) $6B \rightarrow 4335 - 2235 = 2100$

$1B \rightarrow 2100 \div 6 = 350$

$4B \rightarrow 350 \times 4 = 1400$

$1 \text{ Basket} \rightarrow 2235 - 1400 = 835$

The mass of the empty basket is 835kg.

Q46) $M \rightarrow 48\text{m}$

$S \rightarrow 48 \times \frac{3}{4} = 36\text{m}$

$C \rightarrow 36\text{m} + 5\text{km} = 5\text{km } 36\text{m}$

$\text{Total} \rightarrow 5\text{km } 36\text{m} + 36\text{m} + 48\text{m} = 5\text{km } 120\text{m}$

They ran a total distance of 5km.

