14

Name: _____( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semesteral Assessment One

Paper 1

Booklet A

10 May 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

INSTRUCTIONS TO CANDIDATES
DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
THE USE OF CALCULATORS IS NOT ALLOWED.

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

Questions **1 to 10** carry 1 mark each. Questions **11 to 15** carry 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, 4) on the Optical Answer Sheet. (20 marks)

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1. Round off 786 594 to the nearest hundred.

   1) 786 000

   2) 786 500

   3) 786 600

   4) 787 000

2. What is the missing number in the box?

   $20 \times \boxed{?} = 20\,000$

   1) 100

   2) 1000

   3) 4000

   4) 40 000

3. Express $1\frac{5}{8}$ as a decimal.

   1) 1.125

   2) 1.58

   3) 1.625

   4) 1.85

4. Gwen and Penny shared $252 in the ratio 2 : 7. How much did Penny have?

1) $126

2) $140

3) $196

4) $224

5. Which of the following fractions is smaller than $\frac{5}{9}$?

1) $\frac{11}{18}$

2) $\frac{4}{27}$

3) $\frac{5}{6}$

4) $\frac{7}{12}$

6. Which of the following does not have the same value as $\frac{3}{4} - \frac{1}{8}$?

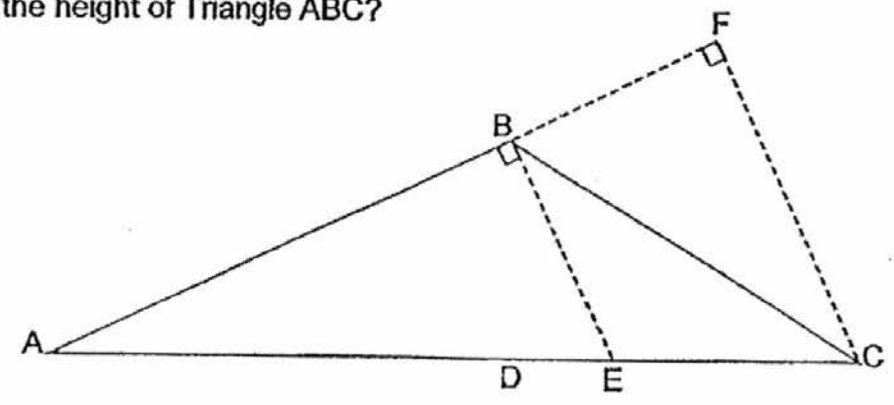
1) $1 - \frac{9}{24}$

2) $\frac{1}{2} + \frac{1}{8}$

3) $\frac{1}{8} \div 5$

4) $20 \times \frac{1}{32}$

7. Look at the figure below. AB is the base of Triangle ABC. What is the height of Triangle ABC?



1) AC

2) BC

3) BE

4) CF

8. There are 420 participants at an audition. $\frac{5}{6}$ of the participants are Singaporeans. Among the Singaporeans, 190 of them are females. How many of the Singaporeans are males?

1) 120

2) 160

3) 190

4) 350

9. Kim Si used $\frac{9}{10}$ kg of flour to bake some muffins and bread. She used $\frac{1}{3}$ of the flour to bake muffins. How much flour did she use to bake the muffins?

1) $\frac{3}{10}$ kg

2) $\frac{3}{5}$ kg

3) $1\frac{1}{7}$ kg

4) $1\frac{7}{10}$ kg

10. Dillis bought 4 similar chiffon cakes. She cut each chiffon cake into 9 equal pieces. She gave 2 pieces to each of her 3 friends. What fraction of the chiffon cakes did she have left?

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

2) $\frac{5}{6}$

3) $\frac{1}{18}$

4) $\frac{17}{18}$

11 Takumi has $16 worth of coins. 12 of them are 50¢ coins and 5 of them are 20¢ coins. The rest are $1 coins. How many coins does Takumi have altogether?

1) 9

2) 18

3) 26

4) 33

12. Alison had 28 more figurines than Ben at first. Ben gave 10 of his figurines to Alison. In the end, Alison had 4 times as many figurines as Ben. How many figurines did Alison have at first?

1) 40

2) 50

3) 54

4) 64

13. The table below shows the prices of some seafood items in All's Well Supermarket.

Fish	\$2.05 per 200 g
Prawns	\$6 per 250 g

Asher bought 1 kg of fish and 1 kg of prawns. How much did he pay for all his purchases?

1) \$32.20

2) \$34.25

3) \$36.50

4) \$38.20

14. At a camp, the ratio of the number of children who wears spectacles to the total number of children is 2 : 5. 98 boys and 112 girls do not wear spectacles. How many children are there at the camp?

1) 315

2) 350

3) 525

4) 735

15. Erika had 3 kg of durian. She used $2\frac{1}{5}$ kg of it to make a durian cake and $\frac{2}{3}$ of the remainder to make durian ice cream. How many kilograms of durian did she have left?

1) $\frac{2}{15}$ kg

2) $\frac{4}{15}$ kg

3) $\frac{7}{15}$ kg

4) $\frac{8}{15}$ kg

End of Booklet A

Name: _____ ( )

Class: Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment One

Paper 1

Booklet B

10 May 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

INSTRUCTIONS TO CANDIDATES
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Questions **16 to 25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

Do not write in this space

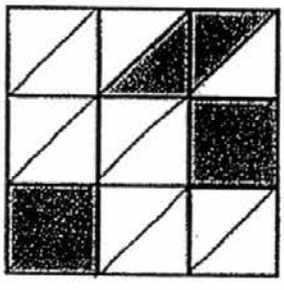
16. Write one million, ninety thousand and five in figures.

Ans : _____

17. $960 \div 60 + 3 \times 10 =$ _____ .

Ans : _____

18. The figure below is made up of squares of the same size. What is the ratio of the number of unshaded parts to the number of shaded parts? Give your answer in the simplest form.



Ans : _____

19. Express $\frac{7}{9}$ as a decimal. Leave your answer correct to 1 decimal place.

Do not write in this space

Ans : _____

20. Express $36 \div 8$ as a mixed number. Give your answer in the simplest form.

Ans : _____

21. Use all the digits below to form the greatest 5-digit number that becomes 16 000 when rounded off to the nearest thousand. Each digit is to be used once only.

Ans : _____

22. The table below shows the savings of 4 children.

Children	Savings
Shaun	$24
Bi Shun	$10
Teng Li	$14
En Lai	$28

Which 2 children have savings in the ratio 7 : 12 respectively?

Ans : _____ and _____

23. Da Tong spent $126 on a camera and had $\frac{5}{6}$ of his money left. How much money did he have at first?

Ans : $_____

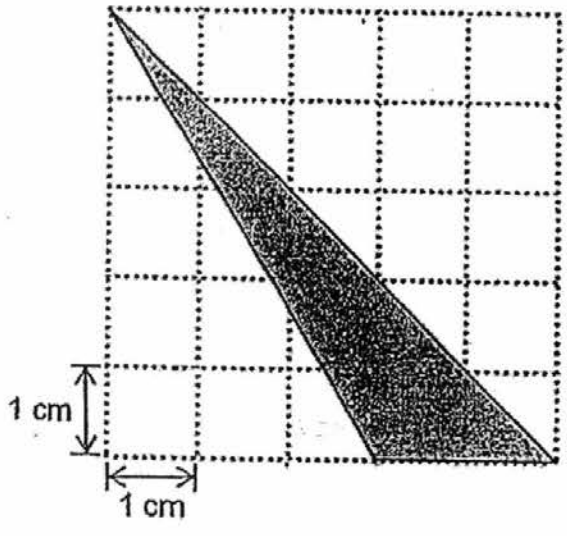
Do not write in this space

24. Tommy took home $\frac{1}{3}$ of a cake from a party. He then ate $\frac{1}{3}$ of the cake that he took home. What fraction of the whole cake was he left with?

Do not write in this space

Ans : _____

25. What is the area of the shaded triangle?



Ans : _____ cm^2

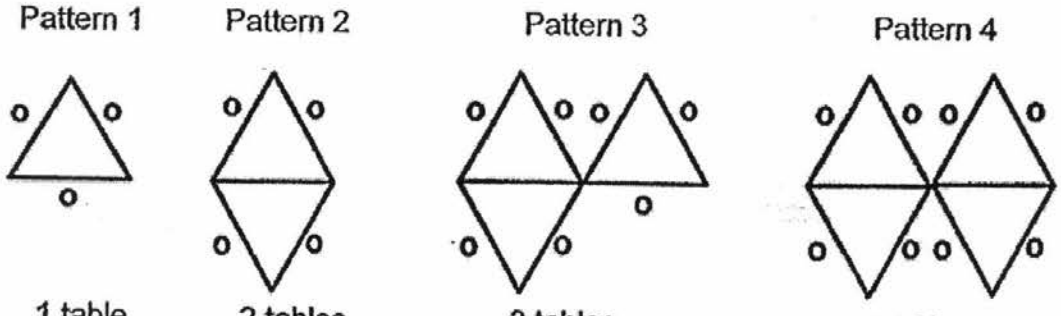
Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

26. The ratio of the number of beads in Box A to the number of beads in Box B is 1 : 3. There are 960 more beads in Box B than in Box A. 76 beads in Box A are black in colour. How many of the beads in Box A are not black in colour?

Ans : _____

27. Some tables and chairs are arranged as shown below.

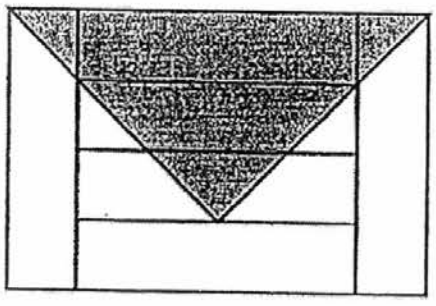


How many chairs will there be in Pattern 8?

Ans : _____

28. The figure below is made up of 6 similar rectangles of length 20 cm. Find the area of the shaded parts.

Do not write in this space



Ans : _____ cm^2

29. The table below shows the operating hours of a clinic.

	Opening hours
Weekdays	9.30 a.m. to 2. p.m. Closed for Break : 2.00 p.m. to 4.15 p.m. 4.15 p.m. to 9. 45 p.m.
Saturdays and Sundays	9.00 a.m. to 3.30 p.m.

How many hours does the clinic operate from Sunday to Thursday altogether?

Ans : _____ h

30. Bin Bin thought of a fraction. He multiplied the fraction by 25. Then he added 8 to the answer. He got 23 as the answer. What is the fraction that Bin Bin thought of? Express the answer in the simplest form.

Do not write in this space

Ans : _____

End of Paper 1

Name: _____ ( )

Class: Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment One

Paper 2

10 May 2016

Paper 1	40
Paper 2	60
Total Marks	100

_____

Parent's/Guardian's Signature

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

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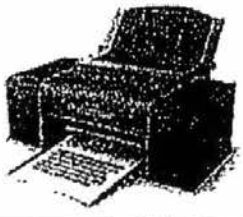
Questions **1** to **5** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. Look at the pictures below. Which printer is faster?



Printer P
140 pages in 5 min

Printer Q
208 pages in 8 min

Ans : Printer _____

2. A cashier received $1932 for a month's work. She worked 12 hours a day and was paid $7 per hour. How many days did she work in that month?

Ans : _____

3. Figure A shows a rectangular sheet of paper. Nellie cut it into 22 identical triangles, one of which is shown in Figure B. There was no paper left over. What was the area of the rectangular sheet of paper before it was cut?

Do not write in this space

Figure A

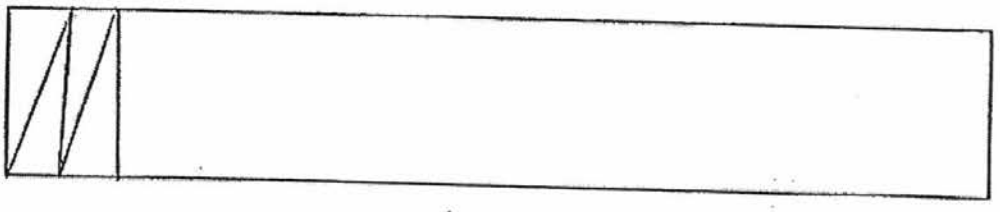
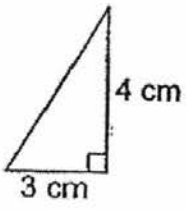


Figure B



Ans : _____ cm^2

4. A repeated pattern is formed using the numbers 1 and 9. The first ~~15~~ 20 numbers are shown below.

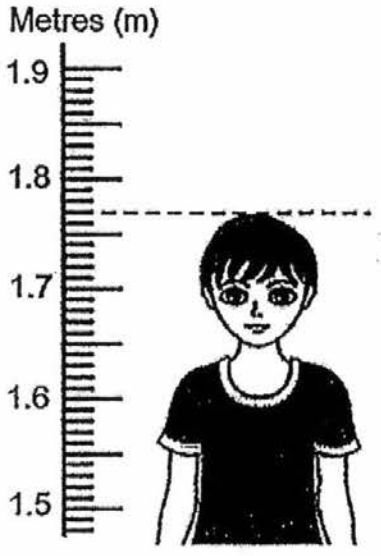
9	1	1	1	9	9	1	1	1	9	9	1	1	1	9	9	1	1	1	9	...
1st	2nd	3rd																	20th	

Find the sum of the first 500 numbers.

Ans : _____

5. Aloysius measures his height using a tape measure, as shown below. Five years ago, he was 1.38 m. How much has he grown in five years?

Do not write in this space



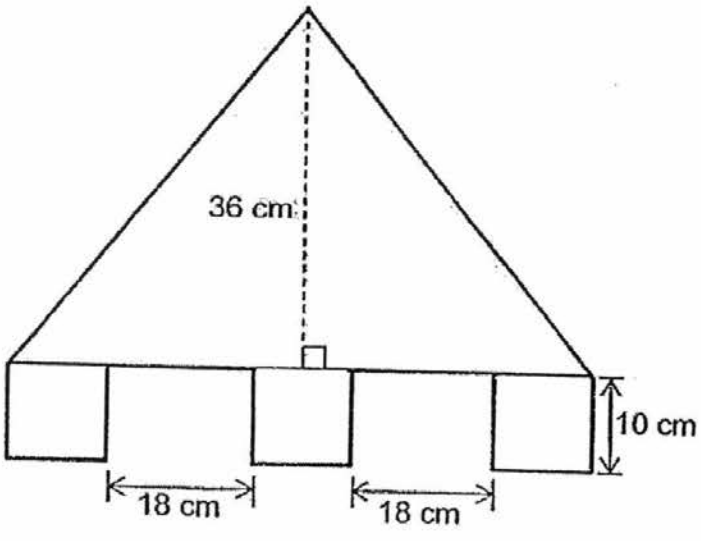
Ans : _____ m

For questions **6** to **18**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question.

(50 marks)

Do not write in this space

6. The shaded figure below is made up of 3 identical squares of side 10 cm and a triangle with a height of 36 cm. What is the area of the shaded figure?



Ans : _____ [3]

7. At first, Ayumi had \$154 and Eun Soon had \$298. Then Eun Soon spent \$89 on a pair of jeans and Ayumi received \$200 from her grandfather. In the end, what is the ratio of the amount of money Ayumi had to the amount of money Eun Soon had? Give your answer in the simplest form.

Do not write in this space

Ans : _____ [3]

8. Mrs Quah gave a sum of money to her three children, Emma, Florence and Gideon. Emma received \$1488 and this was $\frac{1}{3}$ of the sum of money. Gideon received 5 times as much money as Florence. How much money did Florence receive?

Do not write in this space

Ans : _____ [3]

9.

Tiffany bought 24 Aloe Vera Face Masks as a Mother's Day gift. How much did she have to pay?

Do not write in this space

Ans : _____ [3]

10. Pearlyn had a total of 7 notes. Some were $5 notes and some were $10 notes. What could be the smallest and largest possible amounts of money she had in her purse?

Do not write in this space

Ans : Smallest possible amount → _____

Largest possible amount → _____ [3]

11. Nestor needed exactly 90 m of cloth to make 18 small identical banners and 9 big identical banners. He had some cloth which was just enough to make all the small banners and 5 big banners. He used $121\frac{1}{2}$ cm for each small banner.

(a) How much cloth would he need to make 1 big banner?

(b) How much cloth was he short of to make the remaining big banners?

Do not write in this space

Ans : (a) _____ [3]

(b) _____ [1]

12. Pierre, Kelsey and Titus shared some magnets.

Pierre took 6 more than $\frac{1}{4}$ of the magnets.

Kelsey took 2 more than $\frac{2}{3}$ of the rest of the magnets.

Titus took the last 12 magnets. How many magnets did Kelsey take?

Do not write in this space

Ans : _____ [4]

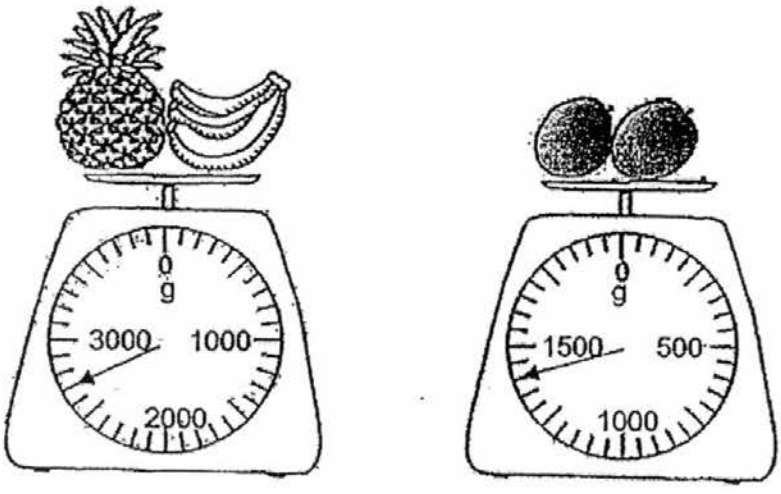
13. The ratio of the number of children to the number of adults at a concert was 8 : 11 . There were 208 boys. There were 40 fewer girls than boys. How many more adults than children were at the concert?

Do not write in this space

Ans : _____ [4]

14. The figures below show 3 different fruits, a pineapple, a bunch of bananas and 2 similar mangoes. The mass of a mango is $\frac{2}{3}$ of the mass of the bunch of bananas.

Do not write in this space



(a) Find the mass of the bunch of bananas.

(b) Find the mass of the pineapple.

Ans : (a) _____ [3]

(b) _____ [1]

15. A group of children shared some balloons among themselves.
They tried taking 12 balloons each, but found that the last child had only 8 balloons. When each child took 9 balloons, there were 38 balloons left over.
How many balloons were there altogether?

Do not write in this space

Ans : _____ [4]

16. A group of Primary 5 pupils took part in the Swim Safer Programme. $\frac{1}{3}$ of the boys and $\frac{1}{4}$ of the girls were swimmers. There were 77 swimmers in total and $\frac{3}{7}$ of them were boys.

Do not write in this space

(a) How many Primary 5 pupils took part in the Swim Safer Programme?

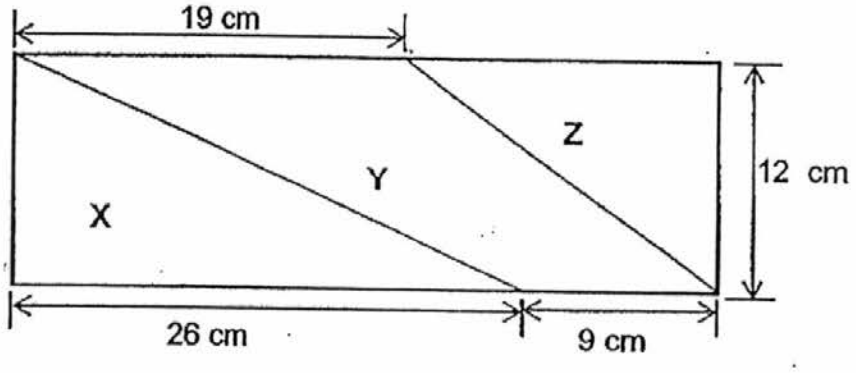
(b) What fraction of the Primary 5 pupils were swimmers? Leave your answer in the simplest form.

Ans : (a) _____ [4]

(b) _____ [1]

17. The figure below shows a rectangular piece of paper. It is cut into 3 parts, X, Y and Z. Find the ratio of the area of the rectangular piece of paper to the area of Y. Leave your answer in the simplest form.

Do not write in this space



Ans : _____ [5]

18. At first, there were 410 more men than women at an exhibition. At lunch time, a total of 250 men and women left the exhibition. There were as many men as women who left the exhibition. In the end, there were 3 times as many men as women who remained behind. How many men were at the exhibition at first?

Do not write in this space

Ans : _____ [5]

End of Paper

EXAM PAPER 2016 (P5)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA1

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

16)1090005 17)46 18)2:1 19)0.8 20)4½

21)16095 22)Teng Li and Shaun 23)$756 24)2/9

25) ½ X 2 X 5 = 5CM2 26)2u→960 27)16

1u→480

480 – 76 = 404

28)20÷4 = 5 29)Sunday→9.00 ~ 3.30→6.5h

5 + 5 + 20 = 30 9.30 –2pm→4.5 h

5 + 5 + 5 =15 4.15 – 9.15→5.5 h

30 x 15 = 450 4.15→9.45→5 h 30min

450÷2 = 225cm2 6.5+ 4.5 + 5.5h = 46½ h 30)3/5

Paper 2

1)P

2)$ a day→12 x $7 = $84
$1932 ÷ $84 = 23 days

3) ½ x 3cm x 4cm = 6cm2
6cm2 x 22 = 132cm2

4)500 ÷ 20 = 25 (groups)
9+1+1+1+9+9+1+1+1+9+9+1+1+1+9+9+1+1+1+9 = 84
84 x 25 = 2100

5)1.77m – 1.38m = 0.39 m

6)10 + 8 + 10 +18 +10 = 56.
½ x 66 x 36 = 1188
10 x 10 = 100
100 x 3 = 300
300 + 1188 = 1488cm2

7)After→$298 – $89 = $209
A at first→$154
After→$154 + $200 = $354
Ans: 354 : 209

8)$1488→1/3 of money
3/8 → ?
$1488 x 3 = $4464
$4464 – $1488 = $2976
$2976 ÷ 6 = $496

9)24 ÷ 6 = 4
4 x $44.95 = $179.80

10) 7 notes

$5 x 6 = $30

$10 x 1 = $10

$30 + $10 = $40

7 motes

$5 x 1 = $5

$10 x 6 = $60

$60 + $5 = $65

11)a)121 ½ x 18 = 2187

9000 – 2187 = 6813

6813 ÷ 9 = 757cm

b)757 x 4 = 3028cm

12)1u → 12 + 2 = 14

3u → 14 x 3 = 42

14 x 2 = 28

28 + 2 = 30

13)208 – 40 = 168 (no.of girls)

168 + 208 = 376

376 ÷ 8 = 47

11 – 8 = 3

47 x 3 = 141

14)a)1400 ÷ 2 = 700

700 ÷ 2 = 350

350 x 3 = 1050g

b)2700 – 1050 = 1650g

15)12 – 8 = 4

38 + 4 = 42

12 – 9 = 3

42 → 3u

1u → 42 ÷ 3 = 14

14 x 9 = 126

126 + 38 = 164

16)a)77 x 3/7 = 33

77 – 33 = 44

7u→77

1u→77 ÷ 7 = 11

3 x 33 = 99

4 x 44 = 176

99 + 176 = 275

b)7/25

17)26 + 9 = 35

35 – 19 = 16

35 x 12 = 420

½ x 16 x 12 = 96

½ x 26 x 12 = 156

156 + 96 = 252

420 – 252 = 168

420 : 168

5 : 2

18)2u→410 ÷ 2 = 205

250 ÷ 2 = 125

MA→205 x 3 = 615

615 + 125 = 740