

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

Class : Primary 3 \_\_\_\_\_

# CHIJ ST NICHOLAS GIRLS' SCHOOL



PRIMARY 3

SECOND SEMESTRAL ASSESSMENT 2009

MATHEMATICS

28 SEPTEMBER 2009

Section A:	/40
Sections B & C	/60
Total Mark:	/100

\_\_\_\_\_  
Parent's Signature

Duration of Paper: 1 h 45 min

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

This paper consists of **22** printed pages.

**SECTION A: (20 x 2 marks)**

**For each question, four options are given.**

**One of them is the correct answer. Make your choice (1, 2, 3 or 4).  
Write the correct choice (1, 2, 3 or 4) on the Optical Answer Sheet  
provided.**

1. In 9582, the value of the digit 5 is \_\_\_\_\_.  

1) 5	2) 50
3) 5 hundreds	4) 5 thousands
  
2. Which one of the following has a greater value than 4879?  

1) 4 thousands 6 hundreds 26 tens 10 ones
2) 4 thousands 6 hundreds 6 tens 11 ones
3) 4 thousands 8 hundreds 6 tens 11 ones
4) 3 thousands 17 hundreds 17 tens 10 ones
  
3. What is the difference between 1358 and 5600 ?  

1) 4215	2) 4225
3) 4242	4) 4252
  
4. Marcus bought some red and blue beads. He bought 1597 blue beads.  
He bought 995 more red beads than blue beads. How many beads  
did he buy altogether ?  

1) 2199	2) 2592
3) 4061	4) 4189

5. The quotient of  $908 \div 9$  is \_\_\_\_\_.

1) 110

2) 102

3) 101

4) 100

6. Paul is 36 years old now. He will be 4 times as old as his youngest sister in 8 years' time. How old is his youngest sister now?

1) 1

2) 3

3) 9

4) 11

7. What is the difference between 3000 and the largest 4-digit number?

1) 2111

2) 3999

3) 6000

4) 6999

8. Subtract the value of 63 ten-cent coins from \$91.45.

1) \$84.15

2) \$85.15

3) \$94.15

4) \$97.75

9. Express 6024 cm in metres and centimetres.

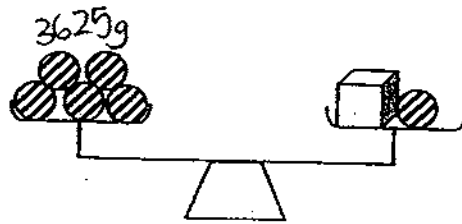
1) 6 m 24 cm


2) 6 m 20 cm

3) 60 m 4 cm

4) 60 m 24 cm

10. Each  stands for 725 g.



What is the mass of  ?  
Leave your answer in kg and g.

1) 2 kg 175 g

2) 2 kg 900 g

3) 3 kg 625 g

4) 4 kg 350 g

11. Find the sum of  $\frac{5}{12}$  and  $\frac{1}{4}$ .  
Leave your answer in the simplest form.

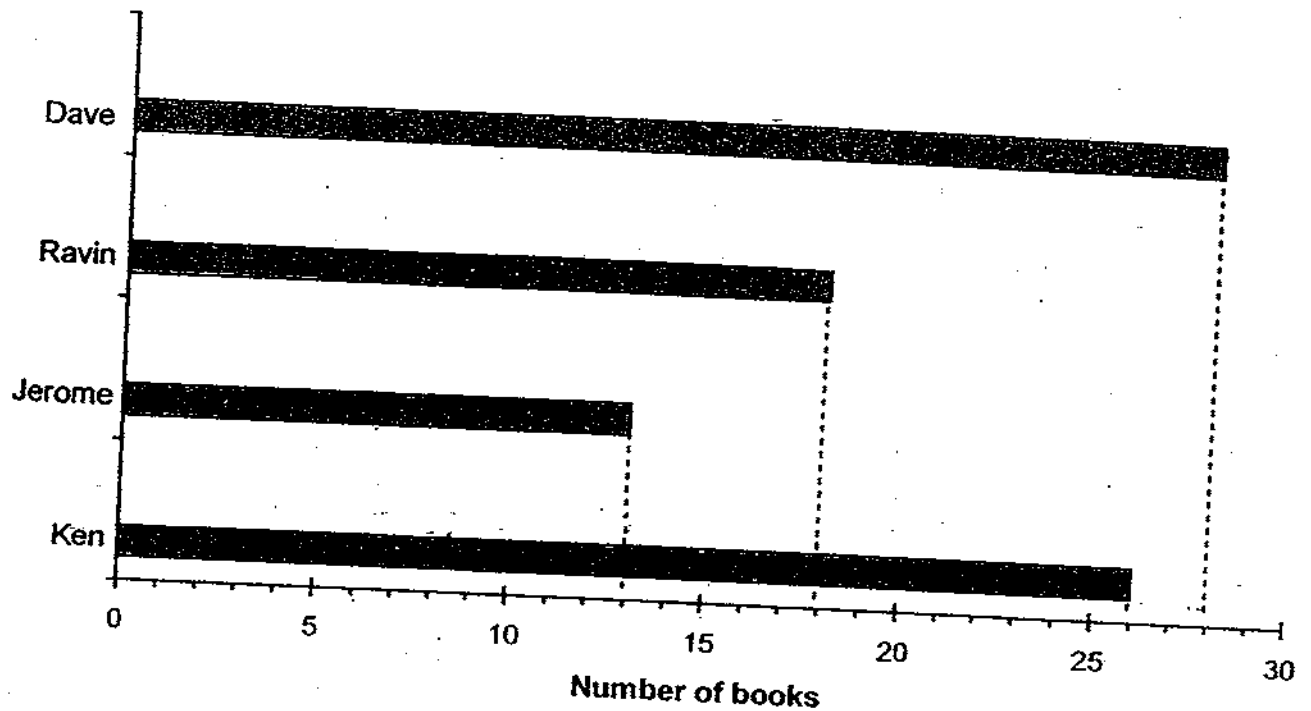
1)  $\frac{3}{8}$

2)  $\frac{2}{12}$

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

4)  $\frac{8}{12}$

12. The bar graph shows the number of books read by four boys.



For every 7 books read, each boy will receive a sticker.  
How many stickers did Dave, Ravin and Ken receive altogether?

- 1) 9                                      2) 10  
3) 11                                     4) 12
13. Which one of the following sets of fractions is arranged from the smallest to the greatest?

1)  $\frac{3}{4}, \frac{2}{3}, \frac{1}{6}$

2)  $\frac{5}{6}, \frac{5}{7}, \frac{5}{8}$

3)  $\frac{1}{3}, \frac{1}{2}, \frac{3}{4}$

4)  $\frac{3}{4}, \frac{3}{5}, \frac{3}{7}$

14. Which one of the following fractions is greater than  $\frac{2}{3}$  but smaller than  $\frac{5}{6}$ ?

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

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

3)  $\frac{7}{8}$

4)  $\frac{9}{12}$

15. Express 1 hour and 55 minutes in minutes.

1) 155 mins

2) 125 mins

3) 115 mins

4) 105 mins

16. An airplane departed from Singapore at 15 minutes to 6 in the morning. It landed in Thailand at 10 minutes past 8. How long was the whole journey?

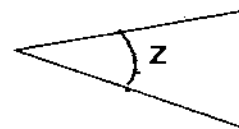
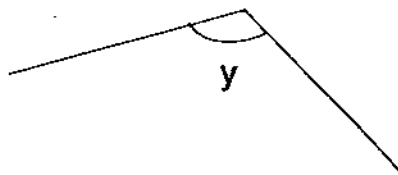
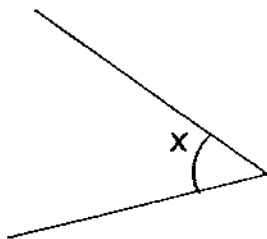
1) 1 h 20 min

2) 1 h 50 min

3) 2 h 10 min

4) 2 h 25 min

17. Arrange the given angles in order of size, beginning with the greatest.



1) Angle x, Angle y, Angle z

2) Angle y, Angle z, Angle x

3) Angle x, Angle z, Angle y

4) Angle y, Angle x, Angle z

18. The perimeter of a square is 36 m. What is the length of each side of the square?

1) 6 m

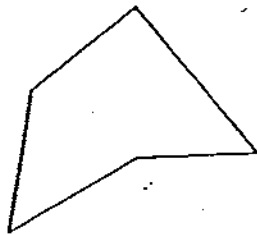
2) 9 m

3) 12 m

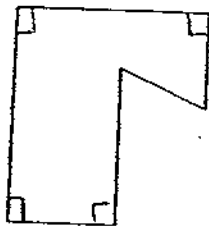
4) 18 m

19. Which one of the following figures consists of 3 right angles only?

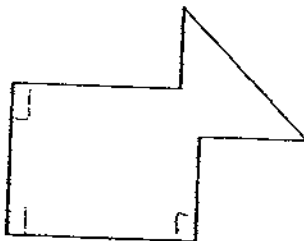
1)



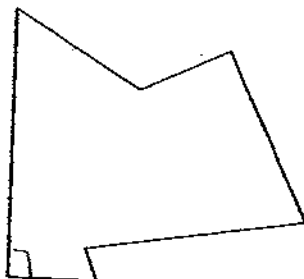
2)



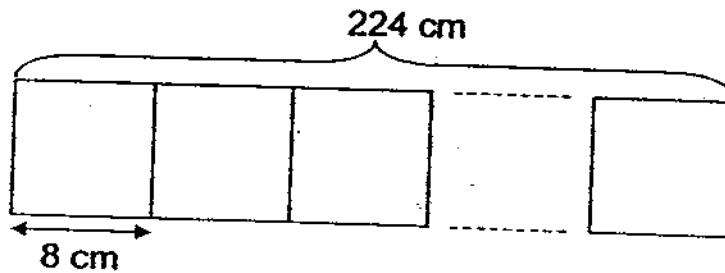
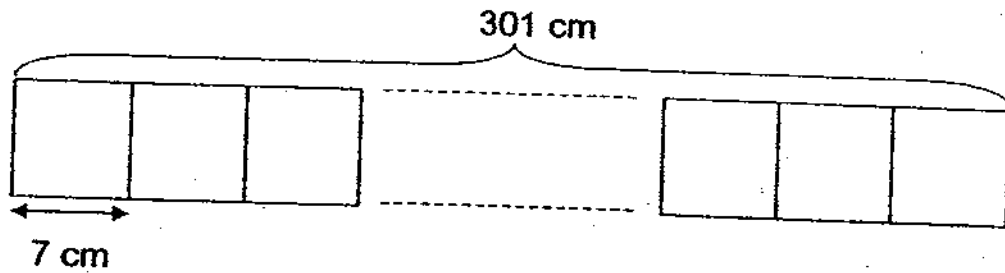
3)



4)



20. Sharon has two kinds of square tiles. Each small tile is 7 cm long. Each big tile is 8 cm long.



She arranges all the small tiles in a row of 301 cm long, leaving no gaps in between. She arranges all the big tiles in a row of 224 cm long, leaving no gaps in between. How many more small tiles than big tiles does Sharon have?

- |       |       |
|-------|-------|
| 1) 5  | 2) 11 |
| 3) 15 | 4) 26 |



**SECTION B: (20 x 2 marks)**

**Show all workings and steps clearly.**

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21. Arrange the following numbers in descending order.

8015, 8510, 8105, 8051

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

22. 8004 is \_\_\_\_\_ more than 1998.

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

23. What is the product of 7 and 658?

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

24. Look at the three numbers below.

8756, 3842, 5189

What is the sum of the values of the digits 8 in these three numbers?

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



25. Find the remainder of  $837 \div 6$ .

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

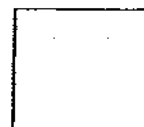
26. Complete the number pattern

26, 104, 52, 208, ?, 416, 208

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

27. Muthu bought 388 bookmarks from a bookshop. Jocelyn bought 4 times as many bookmarks as Muthu. Danny bought half as many bookmarks as Jocelyn. How many bookmarks did Danny buy from the bookshop?

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

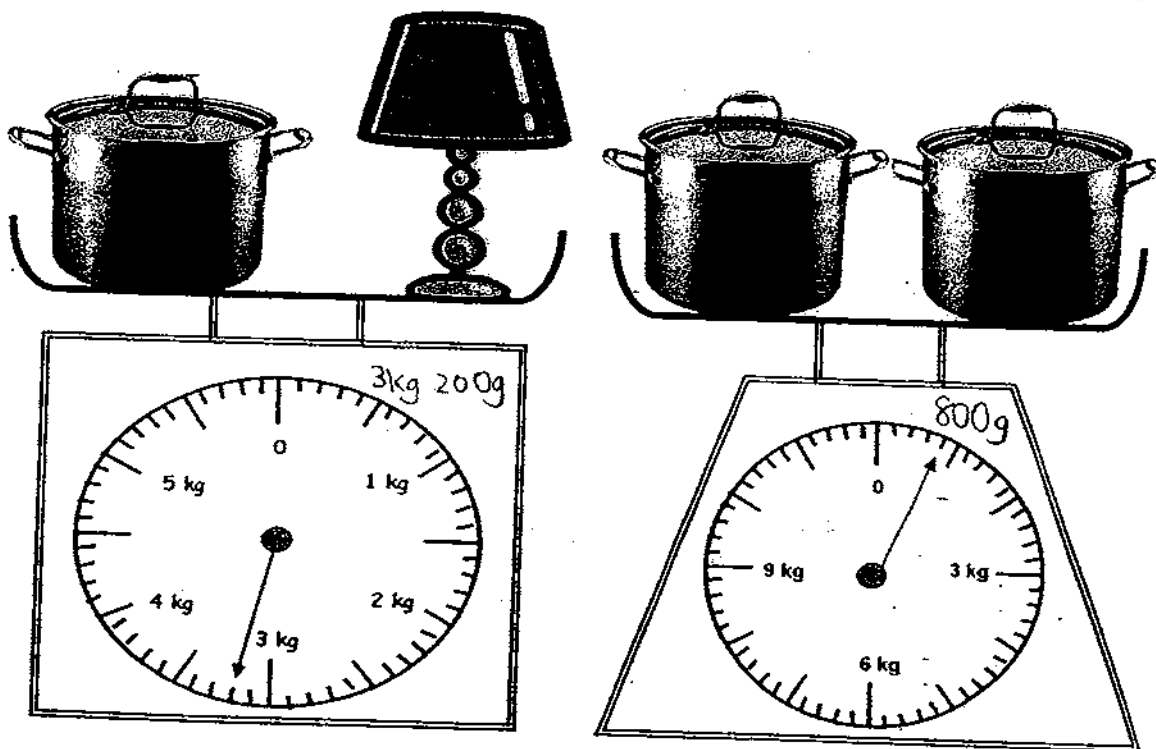


28. Jermaine had only five-dollar notes in her wallet.  
She wanted to buy 8 bracelets at \$27 each but was short of \$16.  
How many five-dollar notes were there in her wallet?

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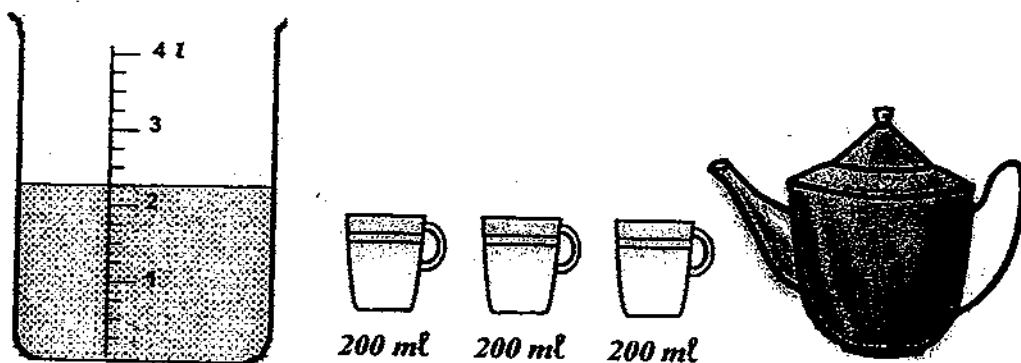
Ans: \_\_\_\_\_

29. In the diagram below, the pots have equal mass. Find the mass of the lamp. Leave your answer in g.



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

30. The cylinder is filled with 3 cups of water and 1 teapot of water.  
Find the capacity of the teapot.  
Leave your answer in  $\ell$  and  $\text{m}\ell$ .



Ans: \_\_\_\_\_  $\ell$  \_\_\_\_\_  $\text{m}\ell$

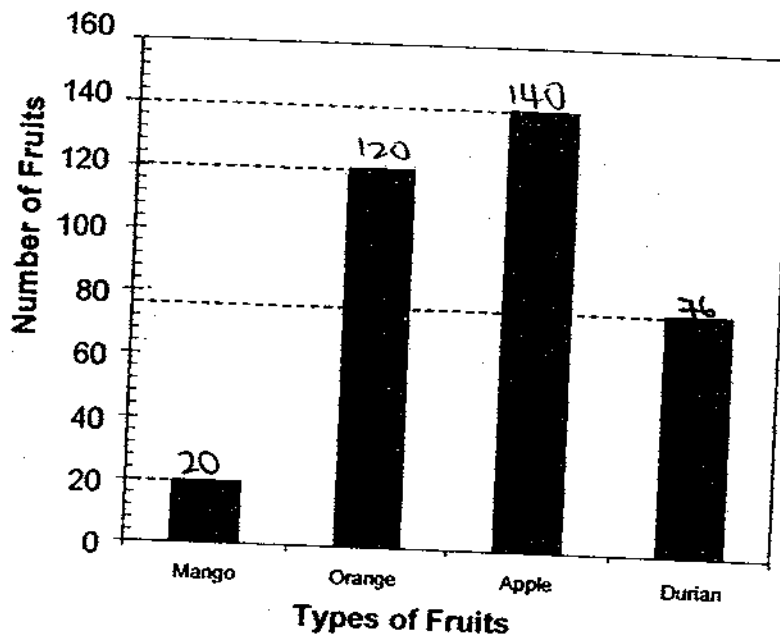
31. Find the value of P and Q.

$$\frac{P}{36} = \frac{8}{12} = \frac{2}{Q}$$

Ans: P = \_\_\_\_\_

Q = \_\_\_\_\_

32. The bar graph below shows the number of different types of fruits eaten by pupils in Primary 5B in a week.

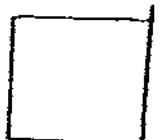


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- a) How many more oranges than durians did Primary 5B eat in a week?
- b) Which type of fruits is the least popular?

Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

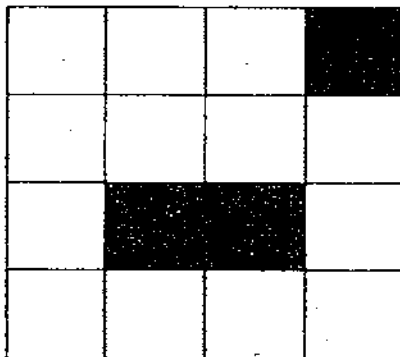


33. The denominator of a fraction is larger than the numerator. The numerator is an odd number that is exactly divisible by 3. It is more than 7 but less than 12. The difference between the numerator and the denominator is 2. What is the fraction?

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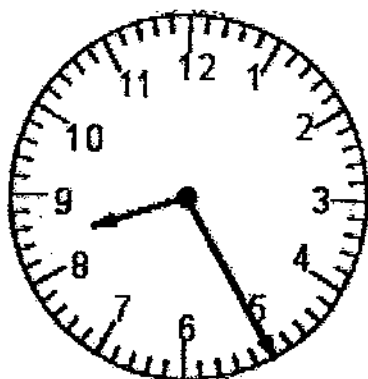
Ans: \_\_\_\_\_

34. The figure shows a rectangle made up of identical squares. How many more squares must be shaded to show  $\frac{7}{16}$  of the figure unshaded?



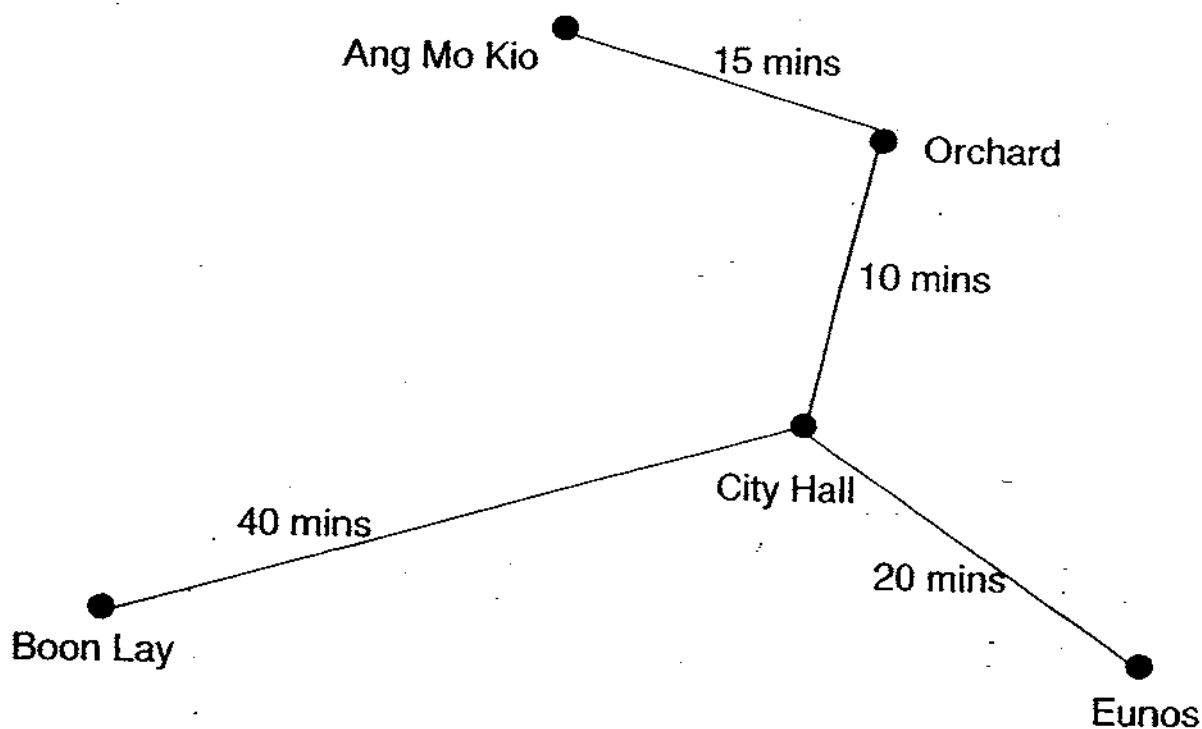
Ans: \_\_\_\_\_

35. In the morning, Aisha saw the time shown on the clock below. The clock is 3 h 55 min slow. What is the actual time?



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

36. The diagram below shows the time taken to travel from one MRT station to another.

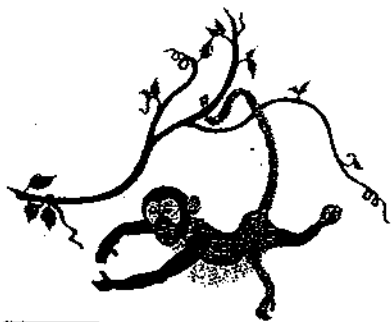


Ming Jie travelled from Boon Lay to Ang Mo Kio. Joe travelled from Eunos to Ang Mo Kio. How long did both of them take to travel altogether? Leave your answer in hours and minutes.

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

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37. The table below shows some of the activities of a monkey in a zoo.



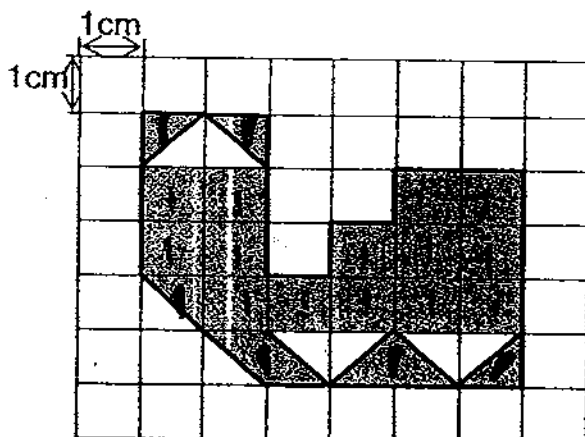
Time	Activities
10.00a.m. – 11.05a.m.	Performing
11.15a.m. – 3.40p.m.	Playing
3.45p.m. – 5.50p.m.	Performing
6.05p.m. – 7.05p.m.	Eating
7.10p.m. – 8.15p.m.	Performing

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How long did the monkey spend playing?  
Leave your answer in minutes.

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

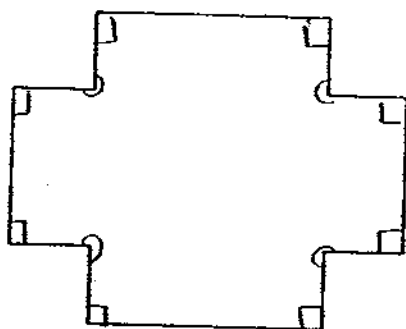
38. Find the area of the shaded figure.



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



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- Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

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

**SECTION C: (5 x 4 marks)**

**Solve ALL of the following problems.**

**All mathematical workings and statements must be shown clearly.**

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41. Ramin had \$8.25 and Rajah had \$3.50. After Rajah gave Ramin some amount of money, Ramin had the same amount of money as Rajah. How much did Rajah give Ramin?

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

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42. Jun Kai had a high fever and visited a doctor. He reached the clinic at 8.45 a.m. After he had seen the doctor, he received some tablets for his fever and he was told to take them every 6 hours, 3 times a day. He left the clinic at 10.55 a.m.

(a) How long did he stay at the clinic?

(Draw a time line to help you)

(b) If he took the first tablet when he reached home at 10.55 a.m., at what time should he take the last tablet in the day?

(Draw a time line to help you)

Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

43. Sufen and Alisa were given [redacted]. Sufen spent [redacted]  
[redacted] and saved [redacted]. Alisa [redacted]  
each and [redacted].  
How many erasers did Alisa buy ?

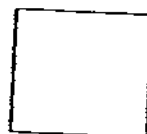
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Ans: \_\_\_\_\_

44. Mrs Poulson cut a chocolate bar into 12 equal pieces. [redacted]  
some pieces of the [redacted] and Marcus ate 2 times as many  
pieces as [redacted]. There were [redacted] pieces of the chocolate bar left.  
What fraction of the chocolate bar did Juana eat?

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



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45. A sky train can take up to 1160 passengers. At the first station, there were 1097 passengers on board the train. At every station, 45 passengers alighted and 54 boarded. How many more stations did the train have to stop before it was fully occupied?

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

END OF PAPER

# Answer Ke

## EXAM PAPER 2009

**SCHOOL : CHIJ PRIMARY**

**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**

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

Q18	Q19	Q20
2	3	3

21)8510, 8105, 8051, 8015    22)6006    23)4606    24)8880    25)3

26)104    27)776    28)40    29)2800g    30)1L 650ml

31)P:24    Q:3    32)a)44    b)Mango    33)9/11    34)6    35)12.20p.m.

36)1h 50 min    37)265min    38)18cm<sup>2</sup>    39)a)12    b)4    40)30cm

41)356+228=584

$$584 \div 4 = 146$$

$$146 \times 3 = 438$$

$$438 - 228 = 210$$

Rajah gave Ramin \$210

42)a)He spent 1h 20min at the clinic.

b)He should take his last tablet at 10.55p.m.

43)\$5.40-\$4.20=\$1.20

$$\$1.20 + \$1.20 = \$2.40$$

Ali saved → \$2.40

$$\$5.40 - \$2.40 = \$3.00$$

5 erasers → \$1

15 erasers → \$3

Alisa bought 15 erasers.

44)Jovina ate 1/3 of the chocolate bar.

45)7