



**HOUGANG PRIMARY SCHOOL  
FIRST SEMESTRAL ASSESSMENT 2009  
MATHEMATICS  
PRIMARY 3**

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

**Class :** Primary 3. [ ]

**Date :** 12<sup>th</sup> May 2009

**BOOKLET A**

**20 multiple-choice questions ( 40 marks )**

**Total time for Booklets A and B : 1h 45min**

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

**Section A (40 marks)**

**Questions 1 to 20 carry 2 marks each. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the correct oval on the OAS.**

1. What is 4 thousands, 4 tens and 4 ones?
  - (1) 444
  - (2) 4 044
  - (3) 4 404
  - (4) 4 440
  
2. Which of the following numbers is the greatest?
  - (1) 2 454
  - (2) 4 542
  - (3) 2 544
  - (4) 4 452
  
3. What is 1 457 less than 2 395?
  - (1) 938
  - (2) 948
  - (3) 1 938
  - (4) 4 452
  
4. What is the remainder when 258 is divided by 8?
  - (1) 0
  - (2) 2
  - (3) 18
  - (4) 32

5. Kelly cuts a cake into equal pieces.  
She ate one piece and there were seven pieces left.  
What fraction of the cake was eaten?

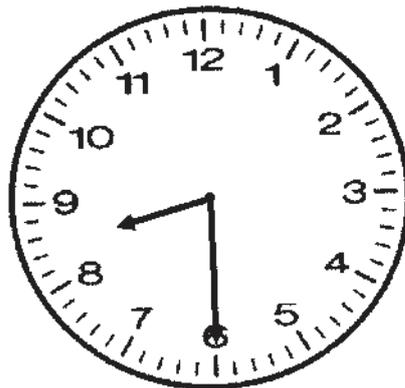
(1)  $\frac{1}{7}$

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

(3)  $\frac{6}{7}$

(4)  $\frac{7}{8}$

6. Below is the clock shown in Nasrul's room on Monday morning.



Nasrul realized that the clock was actually an hour slow.  
What was the actual time?

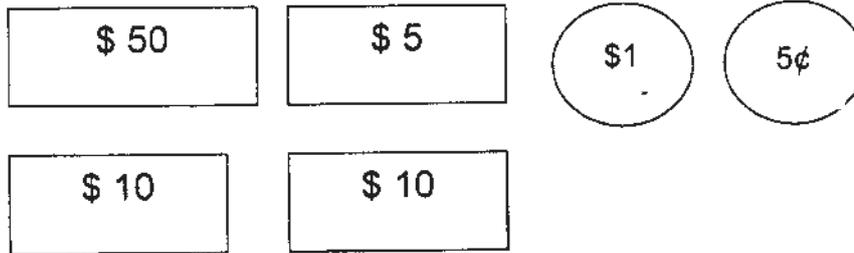
(1) 7.30 a.m.

(2) 8.00 a.m.

(3) 9.00 a.m.

(4) 9.30 a.m.

7.

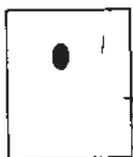


What is the amount of money shown above?

- (1) \$31.05
- (2) \$75.06
- (3) \$76.05
- (4) \$76.50

8.

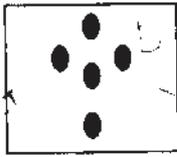
Observe the pattern below.



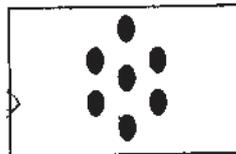
1<sup>st</sup> pattern



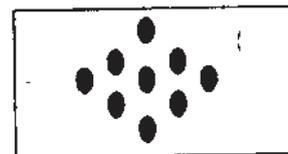
2<sup>nd</sup> pattern



3<sup>rd</sup> pattern



4<sup>th</sup> pattern



5<sup>th</sup> pattern

How many dots will there be in the 7<sup>th</sup> pattern?

- (1) 11
- (2) 13
- (3) 15
- (4) 17

9. Form the greatest 4-digit even number using all the digits 3, 8, 6 and 9.

(1) 9 638

(2) 9 836

(3) 8 936

(4) 9 863

10. What is the difference between 40 tens and 6 099?

(1) 5 699

(2) 6 059

(3) 6 139

(4) 6 499

11. What is the number that is 35 hundreds more than 1 696?

(1) 1 731

(2) 2 046

(3) 4 196

(4) ~~5 106~~ 5196  
9

12. Multiplying 36 by 5 is the same as \_\_\_\_\_

(1) 180

(2) 195

(3) 200

(4) 210

13. A pizza deliveryman sent a pizza to Mr Lee's house.  
He ate  $\frac{3}{9}$  of the pizza and his wife ate  $\frac{2}{9}$  of the pizza.  
What fraction of the pizza was eaten?

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

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

(3)  $\frac{5}{9}$

(4)  $\frac{5}{18}$

14. A roll of ribbon is 150 cm long.  
A florist used 2 pieces of ribbon each 60 cm long to tie around the flower.  
How much of the ribbon was left?

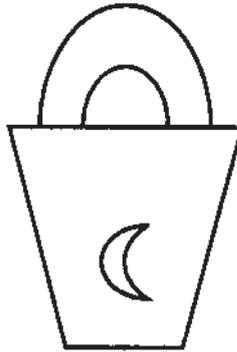
(1) 30 cm

(2) 60 cm

(3) 120 cm

(4) 270 cm

15. Which is the correct number of lines and curves that can be found on the padlock shown below?



Option	Lines	Curves
(1)	1	4
(2)	3	3
(3)	4	4
(4)	6	3

16. Find the missing number in the pattern below.

2 899, 2 910, 2 932, 2 965, ?, 3 064, 3 130

- (1) 2 998  
(2) 3 005  
(3) 3 009  
(4) 3 020
17. ABC bakery sold 3 484 buns on Monday.  
It sold 289 fewer buns on Tuesday. How many buns did the bakery sell on both days?
- (1) 3 195  
(2) 3 773  
(3) 6 679  
(4) 6 968

18. The number of oranges in Smith's plantation doubles every month. If there were 1 024 oranges in his plantation in July, how many oranges were there in February?

- (1) 16
- (2) 32
- (3) 256
- (4) 512

19. The total mass of Junming, Khairul and Joseph is 150 kg. Khairul is 5 kg lighter than Joseph. Junming is 8 kg heavier than Joseph. What is Joseph's mass?

- (1) 30 kg
- (2) 49 kg
- (3) 50 kg
- (4) 53 kg

20. Silan has two \$5 notes and three fifty-cents coins. If he wishes to buy a book that costs \$18.90, how much more money does he need?

- (1) \$ 7.40
- (2) \$ 8.40
- (3) \$ 8.60
- (4) \$13.40



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

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Date : 12<sup>th</sup> May 2009

**BOOKLET B**

**20 short-answer questions ( 40 marks )**

**5 structured / long- answer questions ( 20 marks )**

**Total time for Booklets A and B : 1h 45min**

<b>Section</b>	<b>Max. Marks</b>	<b>Marks Obtained</b>
<b>MCQ</b>	<b>40</b>	
<b>Short-Answer</b>	<b>40</b>	
<b>Structured</b>	<b>20</b>	
<b>TOTAL</b>	<b>100</b>	

**Parent's Signature : \_\_\_\_\_**

**Section B (40 marks)**

Each question from 21 to 40 carries 2 marks.

Write your answers in the space provided. Give your answer in the unit stated.

21. Write seven thousand, three hundred and six in figures.

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

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22. 1 766 more than \_\_\_\_\_ is 3 184.

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

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23.  $12 \times 6$  is the same as  $\boxed{?} \div 2$

What is the missing number?

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

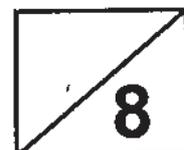
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24. Arrange the following fractions in descending order.

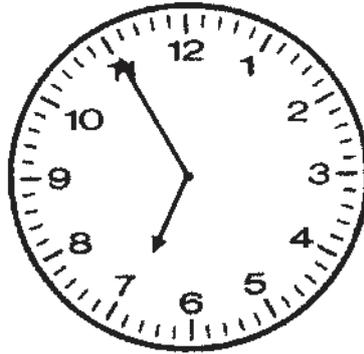
$$\frac{1}{5}, \quad \frac{1}{6}, \quad \frac{3}{4}, \quad \frac{1}{2}$$

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

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25. Muhaimin wakes up at the time shown below every morning.



If the clock is set 5 minutes faster, what is the actual time?

Ans: \_\_\_\_\_ a. m.

26. In the sum of 3 795 and 527, the value of digit '3' stands for \_\_\_\_\_.

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

27. Samuel has 2 boxes of pineapples tarts.  
If each box has 40 tarts and he packs them equally into 8 packets each, how many tarts are there in each packet?

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



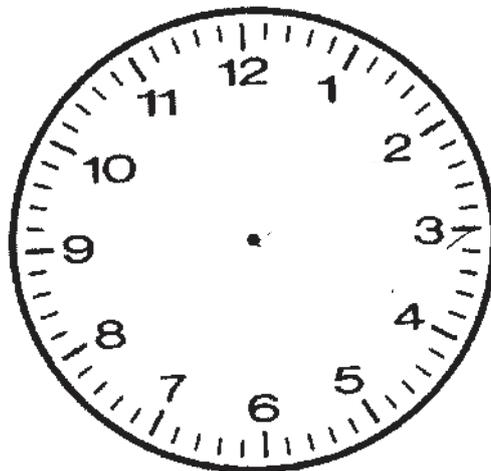
28. To bake a cake, Mrs Ng needs  $\frac{1}{4}$  kg of sugar.  
She also needs twice the amount of flour compared to sugar.  
How much flour and sugar does she need in total?

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

29. An exercise book weighs 250 g.  
A textbook is 345 g heavier than an exercise book.  
What is the total mass of an exercise book and a textbook?

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

30. Draw on the clock face below to show the time shown in the box.

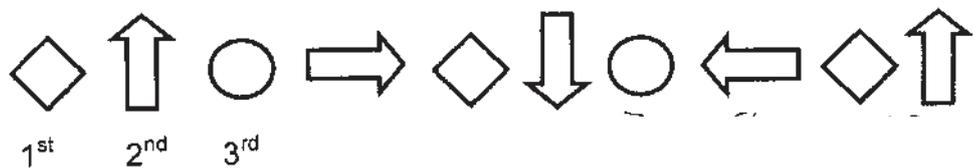


Half an hour after 2.40 p.m.

31. If I have 3 ten-dollar notes, 2 two-dollar notes and 4 twenty-cent coins, how much do I have in total?

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

32. Study the pattern below.



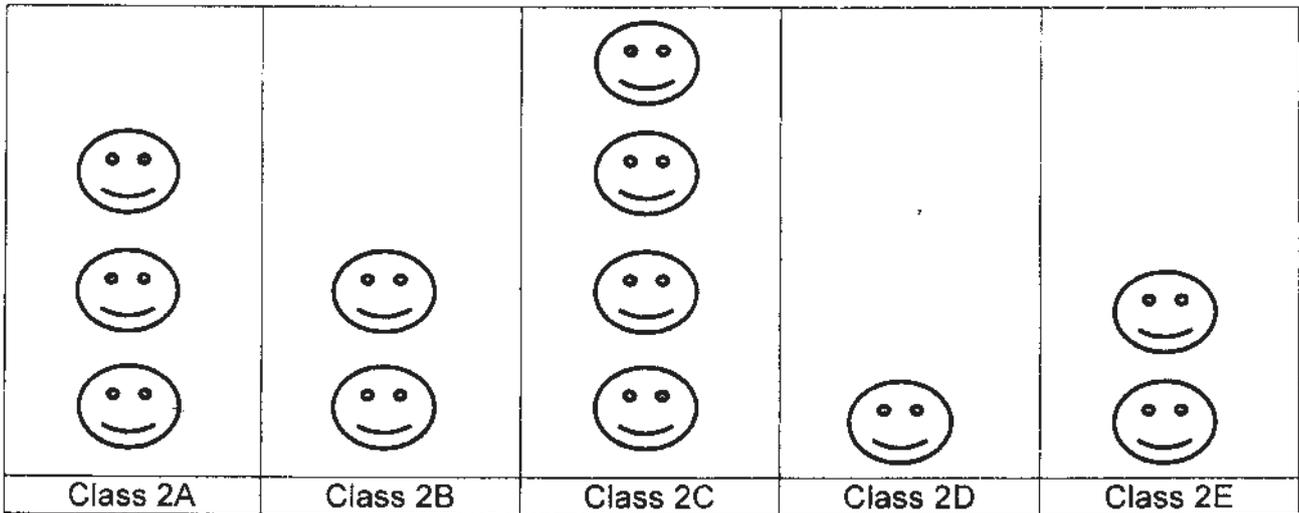
Draw the 12<sup>th</sup> shape.

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



Study the graph carefully to answer Questions 33 and 34.

The graph below shows the number of children in each class who bought tickets to watch a school play.



Each  represents 6 children.

33. What is the number of children who bought tickets in Class 2B and Class 2E?

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

34. If each ticket costs \$2, what is the difference in the amount of money that Class 2C and Class 2D have to pay?

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

35. Arrange the following in increasing order.

4 145, 4 541, 5 144, 4 154, 5 441

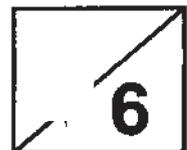
Ans: \_\_\_\_\_  
\_\_\_\_\_

36. Form the greatest and smallest 4-digit number using the digits 1, 8, 9, and 2. Then, find the difference between the two numbers.

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

37. A packet of fruit juice contains 250 *ml* of juice. If Min Min bought half a dozen of packets of fruit juice, what is the total volume of fruit juice?

Ans: \_\_\_\_\_ *l* \_\_\_\_\_ *ml*  
\_\_\_\_\_



38. Alvin has \$10.50.  
If he wishes to change all his money into fifty-cent coins, how many coins will he get?

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

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39.  $6 \times \text{☀} + \text{☀} = 119$

Find the value of ☀ .

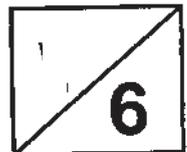
Ans: \_\_\_\_\_

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40. Everyday, Cindy saves a portion of her money.  
On the first day, she saved \$1.  
On the second day, she saved \$2.  
On the third day, she saved \$4 and on the fourth day, she saved \$8.  
The fifth day, she saved \$16.  
If she continues this pattern of saving for 8 days, how much did she save at the end of 8 days?

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

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**Section C (20 marks)**

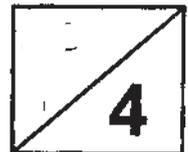
**Write your answer to question 41 to 45 in the spaces provided.**

**For each question, show your workings clearly in the space below it.**

41. Choco Bean Cafe sells 1 099 cups of iced chocolate drinks and 1 342 cups of hot cocoa each day. If each drink costs \$4, how much does the cafe earn each day?

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

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42. A truck weighs 3 times heavier than a car.  
The mass of the car is 1 726 kg and the mass of a bicycle is 12 kg.  
What is the total mass of the three vehicles?

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

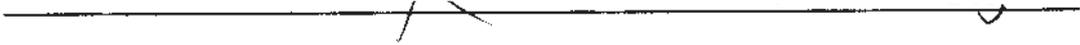
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43. Sergeant Rakif took three days to train for his physical fitness test. He jogged 6 100 m on the first day. This distance was 4 times as far as the distance he jogged on Tuesday. If he completed 9 000 m for the three days, what was the distance he ran on the third day? (Leave your answer in km and m.)



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



44. Andy wants to buy a handphone that costs \$210.  
He only has 5 ten-dollar notes and 6 five-dollar notes in his wallet.
- (a) How much more money does he need?
  - (b) If he decides to save \$5 a day, how long will it take him to save enough money to buy his handphone?

Ans: (a) \_\_\_\_\_ [2]

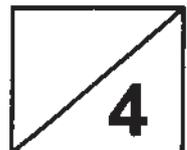
(b) \_\_\_\_\_ [2]



45. Mr Smith had to paint his living room with 4 500 *ml* of paint.  
On Monday, he used up 1 782 *ml* of paint.  
He used the same amount of paint on both Tuesday and Wednesday.  
He used 522 *ml* more paint on Tuesday as compared to Thursday.  
How much paint did he use on Thursday?

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

~~~End of Paper~~~



# Hougang Primary School - 2009 - P3- SA1 - Mathematics

Booklet A - MCQ :

- |        |        |        |        |        |
|--------|--------|--------|--------|--------|
| (01) 2 | (02) 2 | (03) 1 | (04) 2 | (05) 2 |
| (06) 4 | (07) 3 | (08) 2 | (09) 2 | (10) 1 |
| (11) 4 | (12) 1 | (13) 3 | (14) 1 | (15) 3 |
| (16) 3 | (17) 3 | (18) 2 | (19) 2 | (20) 1 |

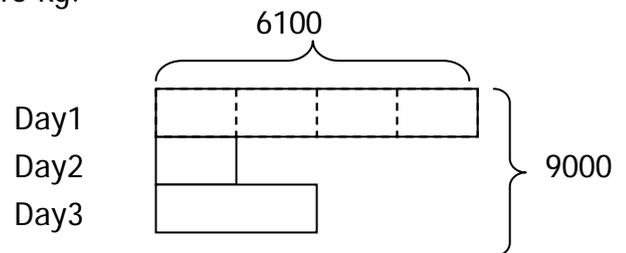
Booklet B :

- |           |                 |                                   |                                                                                          |
|-----------|-----------------|-----------------------------------|------------------------------------------------------------------------------------------|
| (21) 7306 | (22) 1418       | (23) 144                          | (24) $\frac{3}{4}, \frac{1}{2}, \frac{1}{5}, \frac{1}{6}$                                |
| (25) 6.50 | (26) 300        | (27) 10 tarts                     | (28) $\frac{3}{4}$                                                                       |
| (29) 845  | (30) 3.10       | (31) 34.80                        | (32)  |
| (33) 24   | (34) 36         | (35) 4145, 4154, 4541, 5144, 5441 |                                                                                          |
| (36) 8532 | (37) 1 L 500 ml | (38) 21                           | (39) 17                                                                                  |
| (40) 255  |                 |                                   |                                                                                          |

- (41)  $1342 + 1099 = 2441$   
 $2441 \times 4 = 9764$   
 answer : The café earns \$9764 each day.

- (42) Truck :  $1726 \times 3 = 5178$   
 $5178 + 1726 + 12 = 6916$   
 answer : the total mass of the three vehicles is 6916 kg.

- (43)  $6100 \div 4 = 1525$   
 $6100 + 1525 = 7625$   
 $9000 - 7625 = 1375$   
 answer : He ran 1km 375m on the third day.



- (44)  $5 \times \$10 = \$50$   
 $6 \times \$5 = \$30$   
 $\$50 + \$30 = \$80$   
 $\$210 - \$80 = \$130$   
 $\$130 \div 5 = 26$   
 answer :  
 (a) He needs \$130 more to buy a handphone  
 (b) It will take him 26 days to save enough money.

- (45)  $4500 - 1782 = 2718$   
 $2718 + 522 = 3240$   
 $3240 \div 3 = 1080$   
 $1080 - 522 = 558$   
 answer : He used 558ml of paint on Thursday.

