



**HOUGANG PRIMARY SCHOOL
FIRST SEMESTRAL ASSESSMENT 2010
MATHEMATICS
PRIMARY 4**

Name : _____ ()

Class : Primary 4. []

Date : 11 May 2010

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. In 87 364, the digit 7 stands for _____.
 - (1) 70
 - (2) 700
 - (3) 7 000
 - (4) 70 000

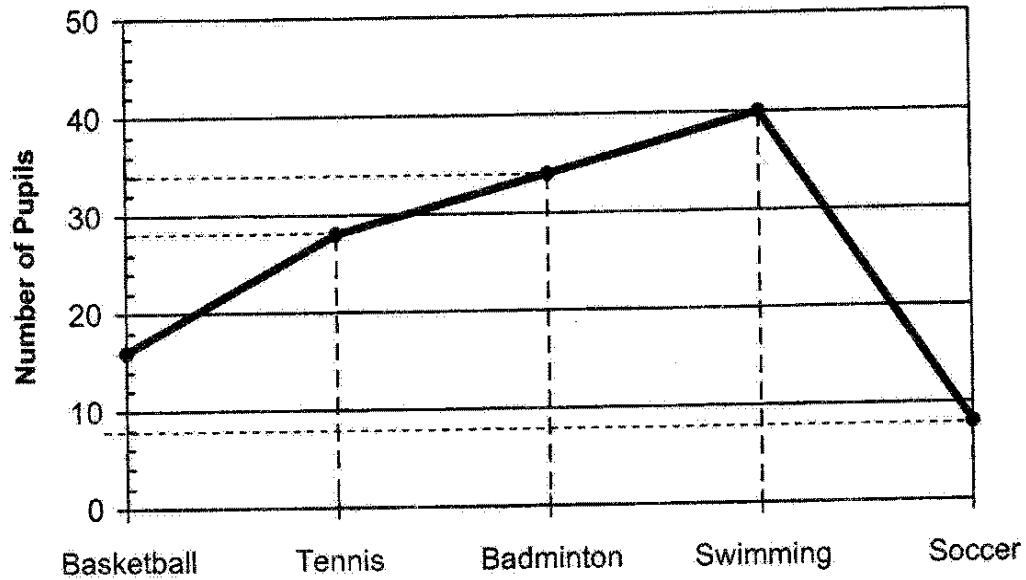
2. 35 700 is 40 tens less than _____.
 - (1) 35 200
 - (2) 35 660
 - (3) 35 300
 - (4) 36 100

3. Find the product of 2 400 and 3.
 - (1) 600
 - (2) 800
 - (3) 2 403
 - (4) 7 200

4. A group of children share 4 275 marbles equally. If each child gets 9 marbles each, how many children are there altogether?
 - (1) 475
 - (2) 4075
 - (3) 4 280
 - (4) 38 475

The graph below shows pupils' participation in sports CCA.
Study the graph and answer questions 5 and 6.

Pupils' Participation in Sports CCA



5. How many pupils are there in the school's Badminton Club?
 - (1) 38
 - (2) 36
 - (3) 34
 - (4) 32

6. How many more pupils are there in Badminton and Tennis than in Swimming?
 - (1) 40
 - (2) 24
 - (3) 22
 - (4) 20

7. The second common multiple of 4 and 6 is _____.

- (1) 12
- (2) 24
- (3) 36
- (4) 48

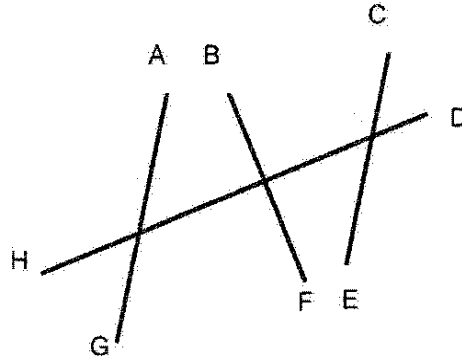
8. Express $\frac{7}{4}$ as a mixed number fraction.

- (1) $7\frac{3}{4}$
- (2) $4\frac{3}{7}$
- (3) $1\frac{3}{4}$
- (4) $1\frac{3}{7}$

9. Which of the following fractions is equivalent to $\frac{18}{20}$?

- (1) $\frac{9}{10}$
- (2) $\frac{8}{10}$
- (3) $\frac{6}{7}$
- (4) $\frac{4}{5}$

10. In the figure below, all lines drawn are straight lines.
Which two lines are parallel to each other?



- (1) AG and BF
 (2) CE and AG
 (3) BF and CE
 (4) HD and BF
11. A number, when rounded off to the nearest hundred, is 5 400.
What can the largest possible value for this number be?
- (1) 5 350
 (2) 5 399
 (3) 5 449
 (4) 5 450
12. Which of the following is not a common factor of 24 and 30?
- (1) 8
 (2) 2
 (3) 3
 (4) 6

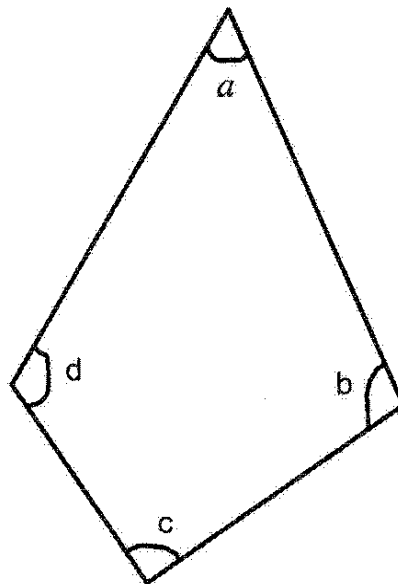
13. Helen baked 120 cupcakes.
She gave $\frac{2}{3}$ of them to her mother.
How many cupcakes did she give to her mother?

- (1) 80
- (2) 60
- (3) 40
- (4) 20

14. Find the value of $\frac{5}{8}$ of 28.
Express your answer in its simplest form.

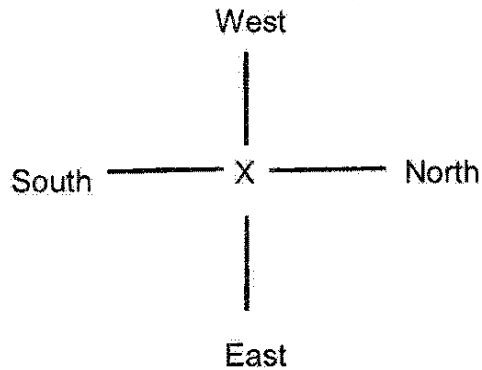
- (1) $17\frac{1}{2}$
- (2) $16\frac{1}{2}$
- (3) $15\frac{1}{2}$
- (4) $14\frac{1}{2}$

15. In the figure below, all lines drawn are straight lines.
Which angle is a right angle?

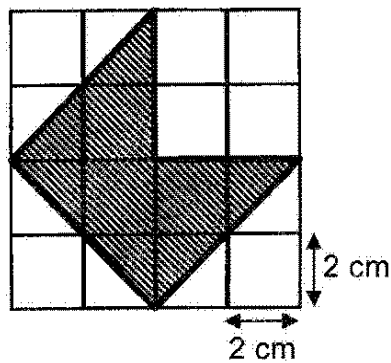


- (1) $\angle a$
- (2) $\angle b$
- (3) $\angle c$
- (4) $\angle d$

16. Tim is standing at position X.
 He is facing the North-East direction.
 If he makes a 135° turn in an anti-clockwise direction, at which direction will he face now?

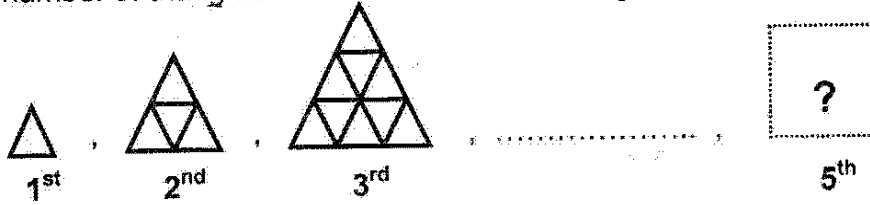


- (1) South
 - (2) West
 - (3) South-east
 - (4) South-west
17. The figure below is made up of 2 cm squares.
 Find the area of the shaded part.



- (1) 6 cm^2
- (2) 12 cm^2
- (3) 24 cm^2
- (4) 36 cm^2

18. Study the pattern below carefully.
Find the number of triangles needed to make the 5th figure below.



- (1) 25
(2) 56
(3) 64
(4) 81
19. $\square \div 7 = 136 \text{ R } 6$

- (1) 858
(2) 952
(3) 958
(4) 994

20. Finn used $2\frac{1}{6}$ m of ribbon to tie a present.
He used $\frac{1}{3}$ m more to tie another present.
What is the total length of ribbon he used for the two presents?
(Give your answer in its simplest form.)

- (1) $2\frac{1}{2}$ m
(2) $4\frac{2}{3}$ m
(3) $2\frac{2}{3}$ m
(4) $4\frac{1}{3}$ m



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MATHEMATICS
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Name : _____ ()

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BOOKLET B

20 short-answer questions (40 marks)

5 structured / long- answer questions (20 marks)

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

Section	Max. Marks	Marks Obtained
MCQ	40	
Short-Answer	40	
Structured	20	
TOTAL	100	

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 forty-nine thousand and sixty-three in figures.

Ans: _____

22. Round off 14 547 to the nearest hundred.

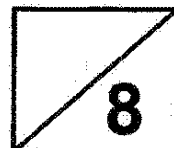
Ans: _____

23. How many quarter turns are there in 225° ?

Ans: _____ quarter turns

24. Daisy had 5 fifty-cent coins, 4 twenty-cent coins and 6 five-cent coins.
She paid \$1.45 for some sweets.
How much money had she left?

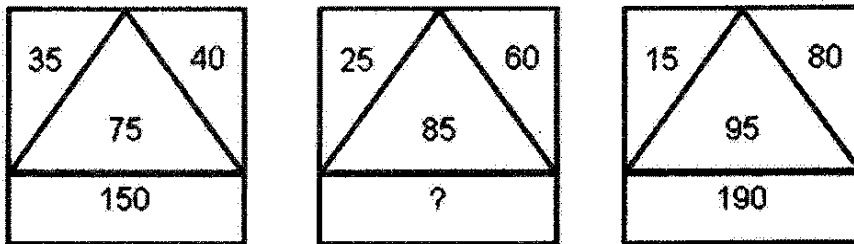
Ans: \$ _____



25. Add 4 321 to 1 498.
Which digit is in the thousands place?

Ans: _____

26. Study the number pattern below.



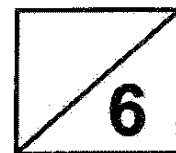
Find the missing number.

Ans: _____

27. Study the division algorithm below.
What is the missing digit?

$$\begin{array}{r}
 3 \ 2 \ 2 \\
 8 \overline{) 2 \ ? \ 7 \ 6}
 \end{array}$$

Ans: _____



28. Dido collected 180 seashells.
She painted all the seashells in 4 different colours as shown in the table below.

	Blue	Green	Purple	Yellow
Numbers of seashells	24	37	?	49

How many seashells were painted purple?

Ans: _____

29. Look at the equivalent fractions below.

$$\frac{1}{6} = \frac{[?]}{42}$$

Fill in the missing digit to complete the statement above.

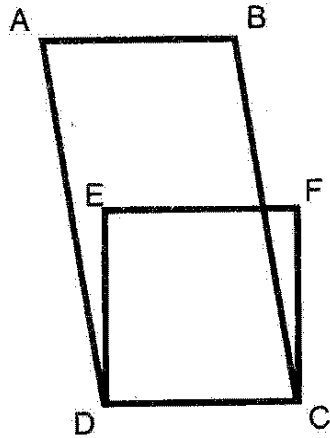
Ans: _____

30. There are 5 kg of flour in Packet X.
Mrs. Lee used $1\frac{3}{8}$ kg of the flour.
How much flour is left in the packet now?

Ans: _____ kg

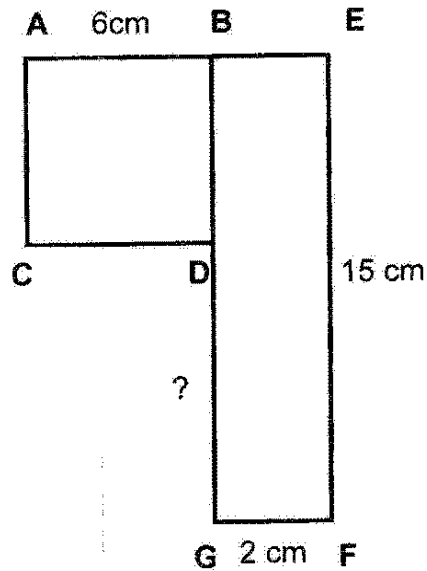


31. In the diagram below, all lines drawn are straight lines.
Name a pair of perpendicular lines.



Ans: _____ \perp _____

32. The figure below is made up of a square and a rectangle.
Find the length of DG.



Ans: _____ cm

33. There were twice as many women than children at the stadium.
The number of men at the stadium was 500 more than the number of women.
If there were 6 335 people at the stadium, how many women were there?

Ans: _____ women

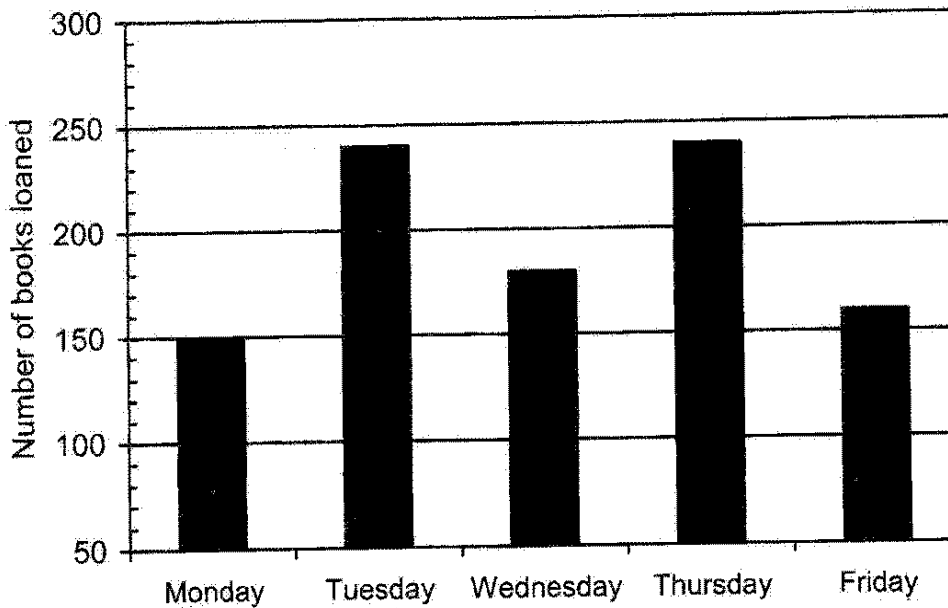
34. If $\frac{2}{3}$ of A = 32, what is the value of A?

Ans: _____



35. The graph below shows the number of books loaned out from Monday to Friday.

Books Loaned Out



How many more books were loaned out from **Monday to Wednesday** than on **Thursday and Friday**?

Ans: _____ books

36. $\frac{1}{5}$ of the number of flowers in the nursery are orchids.
 The rest are roses.
 The total number of roses and orchids is 1 505.
 How many more roses than orchids are there?

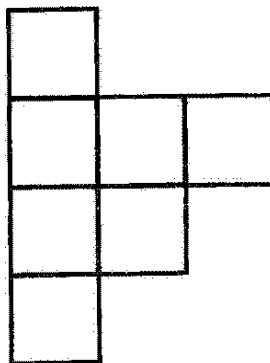
Ans: _____ roses



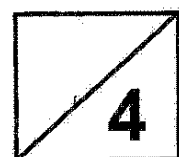
37. Mr. Kim went to see a musical.
The show started at 5.45 p.m.
It ended at 8.15 p.m.
How long was the musical?
(Give your answer in h and min)

Ans: _____ h _____ min

38. The figure below is made up of 3 cm squares.
Find the perimeter of the figure.



Ans: _____ cm



39. What is the sum of the 1st multiple of 18 and the 7th multiple of 12?

Ans: _____

40. Cindy has 8 boxes of donuts.
The mass of 2 boxes of donuts is 350g.
Find the mass of 25 boxes of donuts.
(Give your answer in kg and g.)

Ans: _____ kg _____ g



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. Mr Li paid \$5 348 for a tour package for his family.
Mr Chong received a discount of \$175 for the same tour package.
How much did both of them pay altogether?

Ans: _____ [4]



42. The cost of 6 bowls and 8 plates is \$563.
2 bowls and a plate cost \$106.
Find the cost of a plate.

Ans: _____ [4]



43. Tricia baked 72 muffins.
She brought $\frac{3}{4}$ of them to her class party and gave some of them to her cousin, Tim.
She then had 6 muffins left.
What fraction of the muffins did she give to Tim?
(Give your answer in its simplest form)

Ans: _____ [4]



44. Gillian, Ali and Tim donated some money to the charity.
Tim donated twice as much money as Ali.
Gillian donated \$50 less than Ali.
They donated \$290 altogether.
How much money did Tim donate?

Ans: _____ [4]



45. Farmer Doodle had ducks and chickens on his farm.
He had 320 ducks.
He sold $\frac{3}{8}$ of his ducks and bought 75 chickens.
The number of chickens in the farm became thrice the number of ducks.
How many chickens did he have at first?

Ans: _____ [4]

~~~~End of Paper~~~~



## Hougang Primary School 2010 - P4 - SA1 - MA, Mathematics

1. 3                      2. 4                      3. 4                      4. 1                      5. 3
6. 3                      7. 2                      8. 3                      9. 1                      10. 2
11. 3                      12. 1                      13. 1                      14. 1                      15. 3
16. 2                      17. 3                      18. 1                      19. 3                      20. 2
21. 49063                22. 14500                23.  $2\frac{1}{2}$                 24. 2.15                25. 5
26. 170                    27. 5                      28. 70                    29. 7                      30.  $3\frac{5}{8}$
31.  $ED \perp DC$             32. 9                      33. 2334                34. 48                      35. 170
- FC  $\perp$  DC
36. 903                    37. 2h30min            38. 42                      39. 102                    40. 4kg 375g
41.  $5348 - 175 = 5173$                       42. 6 bowls and 3 plates  $\rightarrow 106 \times 3 = 318$   
 $5173 + 5348 = 10521$                       5 plates  $\rightarrow 563 - 318 = 245$   
1 plate  $\rightarrow 245 \div 5 = 49$
43.  $72 \div 4 = 18$                       44.  $290 + 50 = 340$   
she left  $\frac{1}{4}$  of muffins after the                       $340 \div 4 = 85$   
class party, which is 18 muffins                       $85 \times 2 = 170$   
 $18 - 6 = 12$   
 $12 / 72 = 1/6$
45.  $320 \div 8 = 40$   
 $40 \times 3 = 120$   
 $320 - 120 = 200$   
C  $\rightarrow 200 \times 3 = 600$   
before selling C  $\rightarrow 600 - 75 = 525$