Catholic High School
Mid-Year Examination 2008
Mathematics
Primary 4

Name : _____( )

Class: Primary 4 _____

Date: 6th May 2008

Duration: 1 h 45 min

Section A	40
Section B Part i	40
Section B Part ii	20
Total Marks	100

Parent's Signature: _____

There are 3 sections consisting of 17 pages in this paper.

Section A: Multiple-Choice Questions (MCQ) 20 x 2 marks

Section B: Short-Answer Questions 20 x 2 marks

Section C: Long-Answer Questions 5 x 4 marks

Section A : Multiple-Choice Questions (40 marks)

For Questions 1 – 20, choose the correct answer and shade its number 1, 2, 3 or 4 in the Optical Answer Sheet (OAS) provided. Please use only 2B pencil and SHADE the oval completely. Each question carries 2 marks.

1. In the number 43 285, the difference in the value of the digit 3 and the digit 8 is _____.

   (1) 5
   (2) 24
   (3) 2 920
   (4) 3 080

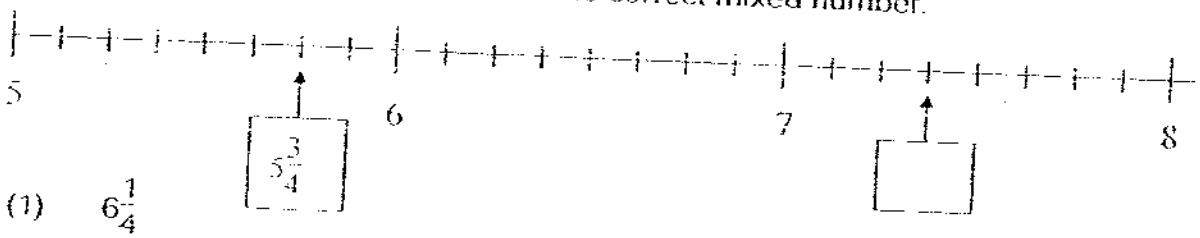
2. A number when rounded off to the nearest hundred is 30 500. What is the number?

   (1) 30 449
   (2) 30 549
   (3) 30 559
   (4) 30 599

3. The product of all the factors of 6 is _____.

   (1) 6
   (2) 12
   (3) 18
   (4) 36

4. Fill in the box on the number line with the correct mixed number.



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

   (2) $6\frac{3}{8}$

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

   (4) $7\frac{3}{4}$

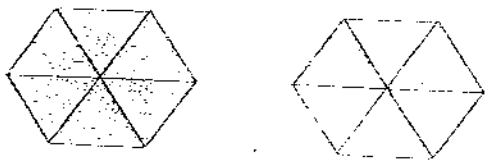
5 Write down the value of 2 thousands, 12 hundreds and 23 ones.

(1) 2 035
(2) 2 143
(3) 3 223
(4) 3 430

6 $60 553 is $60 550 when rounded off to the nearest

(1) ten
(2) hundred
(3) thousand
(4) ten thousand

7. Write down the improper fraction for the shaded part



(1) $\frac{7}{12}$

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

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

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

8. Express $\frac{22}{8}$ as a mixed number in its simplest form.

(1) $1\frac{7}{4}$

(2) $1\frac{14}{8}$

(3) $2\frac{6}{8}$

(4) $2\frac{3}{4}$

9 Express your answer in its simplest form.

$\frac{1}{3} \div \frac{5}{6} + \frac{2}{3} =$ _____

(1) $\frac{8}{12}$

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

(3) $1\frac{5}{6}$

(4) $2\frac{2}{3}$

10. Arrange the following in order, starting with the smallest fraction.

$\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{12}$, $\frac{4}{3}$

(1) $\frac{5}{12}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{3}$

(2) $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{3}$, $\frac{5}{12}$

(3) $\frac{4}{3}$, $\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{12}$

(4) $\frac{4}{3}$, $\frac{4}{3}$, $\frac{3}{4}$, $\frac{5}{12}$

11. In $\frac{1}{3} + \frac{1}{4} = 1 - \square$, the missing fraction is _____

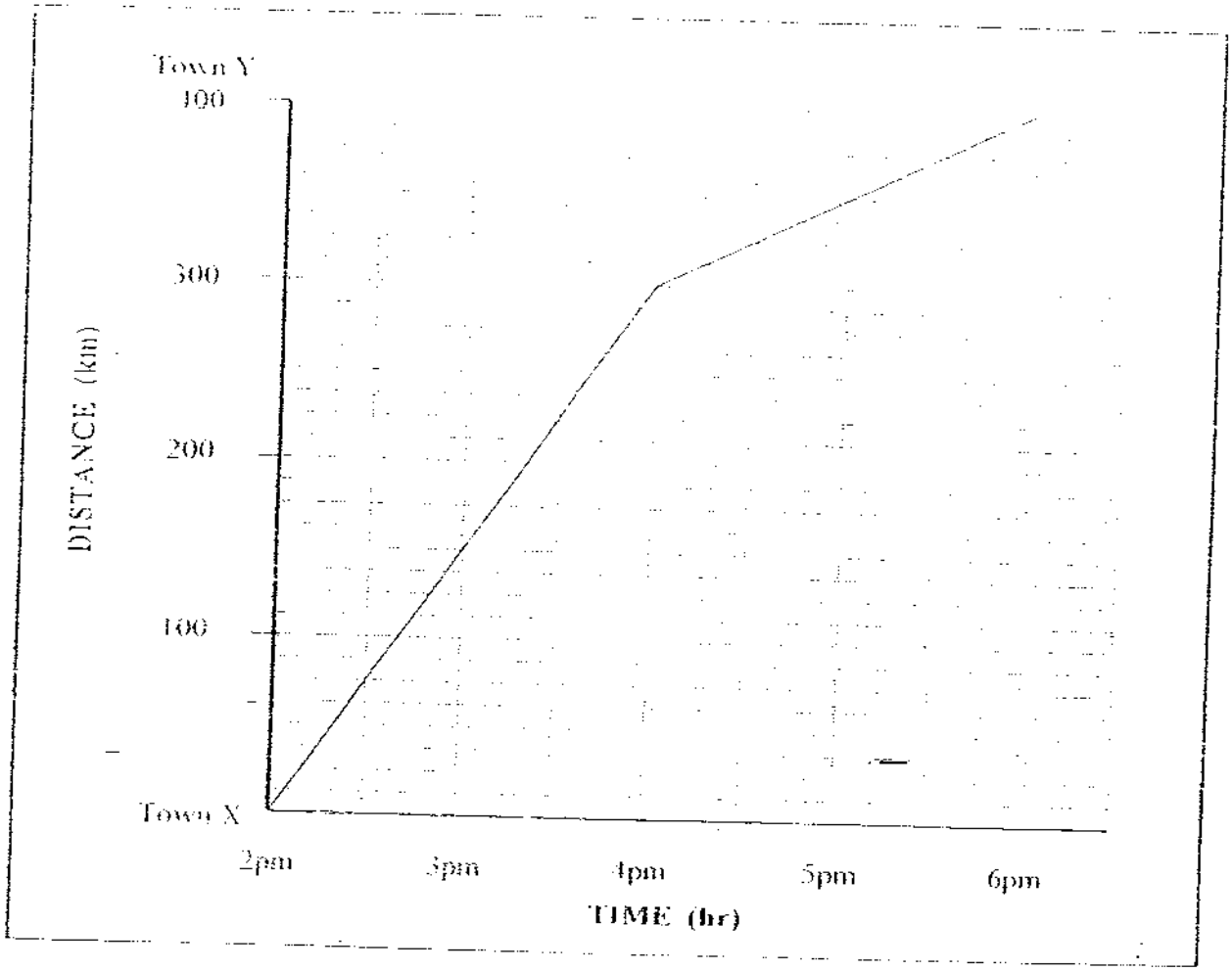
(1) $\frac{2}{7}$

(2) $\frac{5}{7}$

(3) $\frac{5}{12}$

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

The graph below shows the time a driver takes to travel from Town X to Town Y. Study the graph and answer questions 12 and 13



12. How far did the car travel in the first hour of the journey?

(1) 140 km
(2) 150 km
(3) 300 km
(4) 400 km

13. At what time was the car 100 km from its destination?

(1) 2.40 pm
(2) 4.00 pm
(3) 4.30 pm
(4) 5.00 pm

14. Mrs Tan bought 24 packets of sweets. If each packet had 36 sweets, how many sweets did she have altogether?

(1) 60
(2) 216
(3) 864
(4) 1512

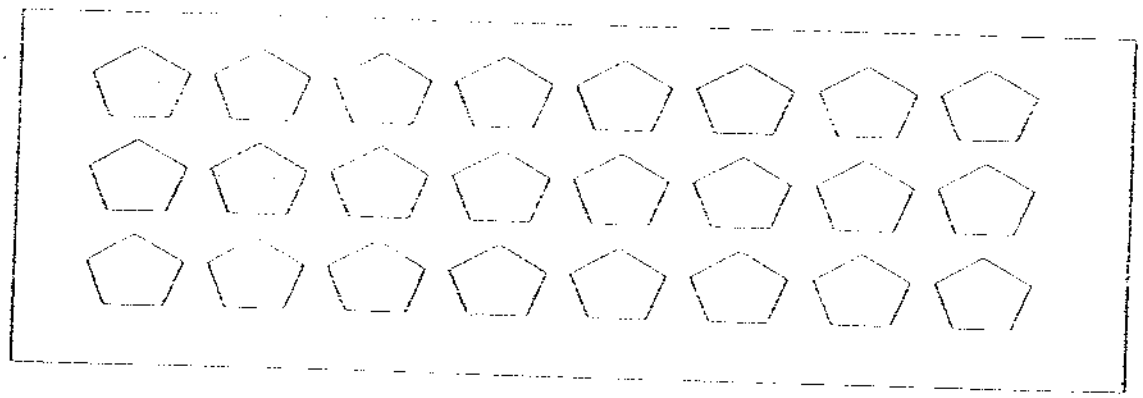
15. Find the quotient when 3659 is divided by 6.

(1) 5
(2) 69
(3) 609
(4) 690

16. Alice fried 342 chicken wings. She packed them into boxes of 7 chicken wings. How many boxes did she use if all the chicken wings were packed into boxes?

(1) 48
(2) 49
(3) 50
(4) 56

17. Study the shapes below. How many more shapes must be shaded so that $\frac{2}{3}$ of the shapes are shaded?



(1) 3

(2) 5

(3) 13

(4) 16

18. 320 people attended a concert. $\frac{3}{8}$ of them were adults and the rest were children. How many children were there?

(1) 40
(2) 120
(3) 200
(4) 1600

19. In one year, Ali saved $600. He spent $\frac{3}{5}$ of his savings on a new bicycle. How much of his savings had he left?

(1) $120
(2) $240
(3) $360
(4) $480

20. Roy read $\frac{1}{3}$ of a story book on Saturday, and $\frac{1}{4}$ of it on Sunday. If he read 24 pages of the book on Saturday, how many pages did he read on Sunday?

(1) 32
(2) 18
(3) 8
(4) 6

Section B

Part I: Short Answer Questions (40 marks)

Do not write in this space

Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

21 69 669 is _____ when rounded off to the nearest 100

Answer: _____

22. Arrange the following set of numbers in order starting with the greatest.

29 704	30 821	29 095	29 053	30 079

Answer: _____

23 Estimate the value of 3 611 ÷ 6.

Answer: _____

I. The sum of all the factors of 24 is _____.

Answer: _____

SCORE

25. Complete the following number pattern

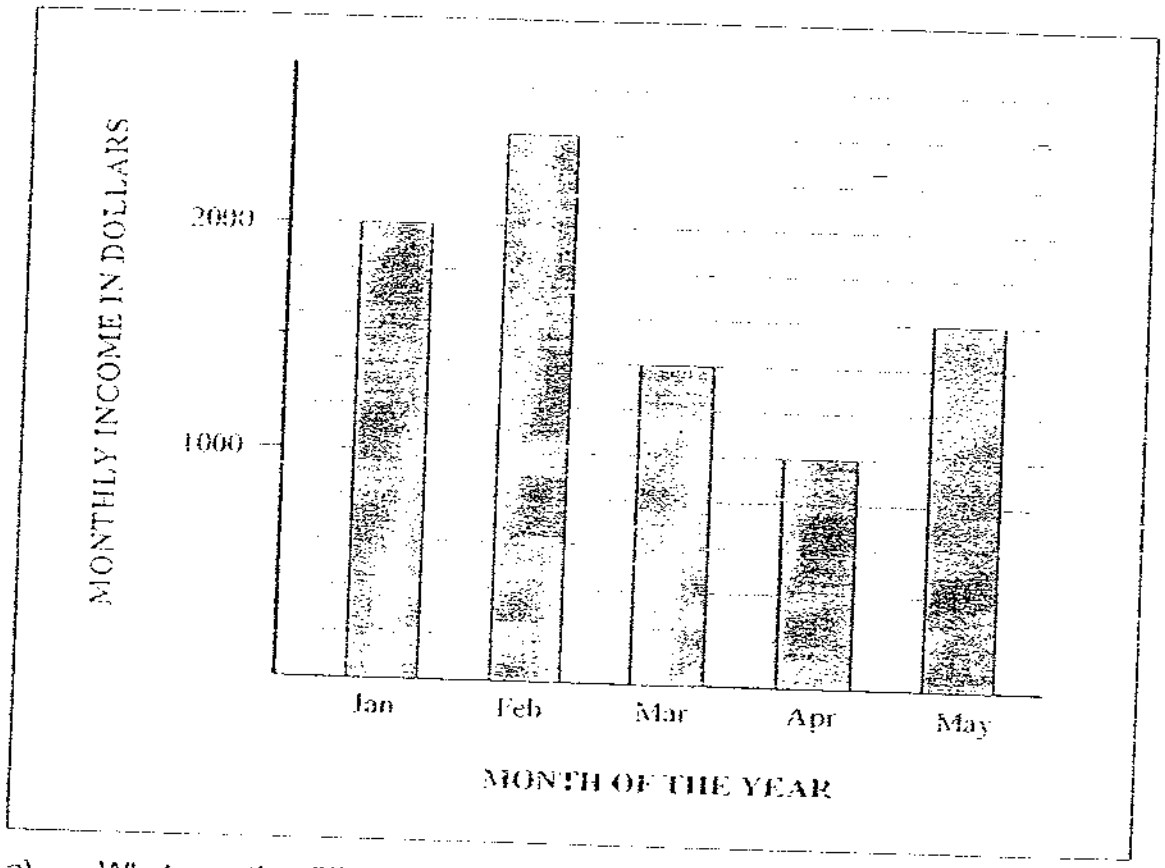
4 , 9 , A , 34 , 54 , 79 , B

Do not write in this space

Answer: A = _____

B = _____

26 The bar graph below shows the monthly income of a salesman from January to May last year. Study the bar graph and answer the questions below.



a) What was the difference between his highest and lowest income for the first five months of last year?

Answer: $_____

b) In which months did he earn less than $1 500 per month?

Answer: _____

SCORE

27. Mrs Khuan bought plane tickets for herself and her three children for a flight to Hong Kong. She paid a total of $2 200 for the four tickets. If her adult plane ticket cost $850, what was the cost of a child's ticket?

Do not write in this space

Answer: $_____

28. Edward jogged $\frac{3}{4}$ km. Joseph jogged $\frac{1}{2}$ km more than Edward. Noel jogged $\frac{1}{3}$ km more than Joseph. How far did Noel jog?

Answer: _____km

29. Six teams are taking part in a volleyball tournament. Each team plays against every other team once. How many games are played altogether?

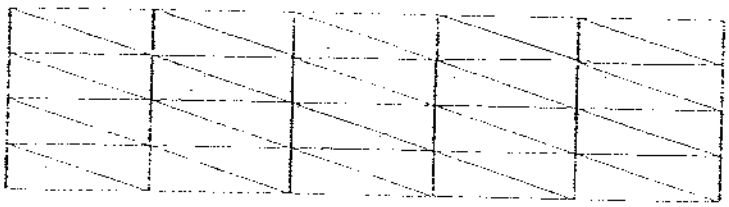
Answer: _____

30. A poultry farmer had chickens, ducks and turkeys on his farm. $\frac{3}{8}$ of his poultry were chickens and $\frac{2}{5}$ of them were ducks. What fraction of his poultry were turkeys?

Answer: _____

SCORE

31 What fraction of the figure below is shaded?
(Give your answer in its simplest form.)



Answer: _____

32 Mrs Wong bought some chocolate for her family. Each bar of chocolate cost $2. For every two bars of chocolate she bought, she was given one bar of chocolate free. If Mrs Wong spent $20, how many bars of chocolate did she bring home?

Answer _____

33. Two food hampers, X and Y, have a total mass of $\frac{3}{4}$ kg. Food hamper X has a mass of $\frac{1}{8}$ kg. How much heavier is food hamper Y compared to food hamper X? (Give your answer in its simplest form.)

Answer: _____ kg

SCORE

34 At a book fair, every 5^{th} customer was given a T-shirt and every 8^{th} customer was given a cap. What was the position of the first customer who received both a T-shirt and a cap?

Do not write in this space

Answer: _____

35 When a number is divided by 4, it has a quotient of 73 and a remainder of 3. What is the number?

Answer: _____

36. In a car racing event, Gary's car was 200 metres in front of Andy. Mike was 300 metres behind Gary. Roy was 700 metres in front of Mike. Gary was 500 metres behind David. Whose car was leading the race?

Answer: _____

37. A shopkeeper had 125 eggs. He had to throw away 20 eggs that were bad and sold some of the good eggs at 30 cents each. He then found that he had $\frac{1}{3}$ of the good eggs left unsold. How much money did he collect from the sale of the eggs?

Answer: $_____

SCORE

38. Mdm Aminah baked 1650 pineapple tarts to sell for Hari Raya. She packed them in boxes of 10 pineapple tarts each. If she sold each box for $8, how much money would she collect?

[Do not write in this space]

Answer: $

39. $\frac{3}{10}$ of the people at a swimming pool were men, $\frac{2}{5}$ of them were women and the remaining 24 people were children.
How many people were there at the swimming pool?

Answer:

40. Ronaldo saw cars and motor cycles in a car park. He counted a total of 192 wheels and noted that there were 6 more motor cycles than cars.
How many cars were there in the car park?

Answer:

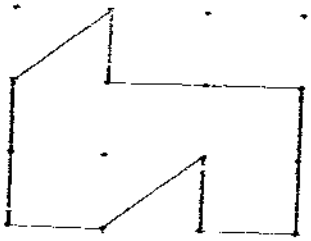
SCORE

Part II Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write in this space

41 Use the given basic shape to make a tesselation in the space below. You must draw at least four more basic shapes. (4m)



SCORE

42 Richard and Nelson went to a Computer Fair with the same amount of money. After Richard spent $450 on a printer and Nelson spent $300 on a scanner, Nelson had three times as much money as Richard.
How much money did each of them have at first?

Do not write in this space

Answer: _____

_____ (4m)

SCORE

43. Nicholas earned a monthly salary of $2 520. He saved $\frac{2}{7}$ of his salary each month for six months, from January to June. In July, he spent $\frac{3}{8}$ of his savings on a holiday in Australia

a) How much money did Nicholas save in six months?
b) How much did he spend on his holiday in Australia?

Do not write in this space

Answer: (a) $ _____ (2m)

Answer: (b) $ _____ (2m)

SCORE

44 $\frac{2}{5}$ of the fruit trees in an orchard are rambutan trees. $\frac{1}{3}$ of them are durian trees and the remaining 48 are mango trees

a) Find the total number of fruit trees in the orchard

b) How many more rambutan trees than mango trees were there in the orchard?

Do not wri
in this spac

Answer: (a) _____ (3m)

Answer: (b) _____ (1m)

SCORE

45 Ahmad, Gopal and Weiwei have a total of 360 picture cards. Gopal has 20 more picture cards than Ahmad. Weiwei has twice the total number of picture cards that Ahmad and Gopal have.
How many more picture cards has Weiwei than Ahmad?

Do not w
in this sp

Answer: _____ (4m)

END OF PAPER

SCORE

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

Q18	Q19	Q20
3	2	2

21)69700 22)30821,30079,29704,29095,29053

23)600 24)60 25)A:19 B:109

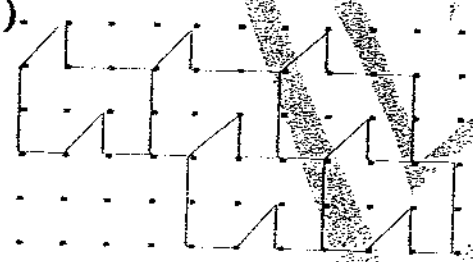
26)a:$1400 b:The month of March and April 27)$450

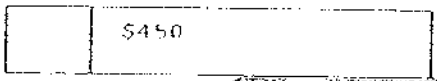
28)$\frac{19}{12}$ km 29)15 30) $\frac{9}{40}$ 31)$\frac{1}{5}$ 32)15 bars

33) ½ kg 34)40th customer 35)295 36)David

37)$21.00 38)$1320 39)80 40)30

41).



42)R 

N 

← 150 →

$450-$300=$150

2u→$150

1u→$150÷2=$75

N=$75x3=$225

$225+300=$525

R=$75+$450=$525

43)a)3/7 x $2520=$1080

$1080 x6=$6480

b)3/8 x $6480=$2430

44)A 

6u→360-20-20-20=300

1u→300÷6=50

3u→50x3=150

150+40=190

45) 6u = 360 - 20 - 20 - 20 = 300

1u = 300 ÷ 6 = 50

3u = 50 x 3 = 150

150 + 40 = 190