CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION 2008
MATHEMATICS
PRIMARY 4

Name : _____ ( )

Class: Primary 4 _____

Section A	40
Section B & C	60
Total Marks	100

6 October 2008
Duration: 1 h 45 min

Instructions:

1. Do not turn over this page until you are told to do so.
2. There are 15 pages in this paper.

Section	Weightage	Item type	No. of questions
A	40%	MCQ	20 (1 - 20)
B	36%	Short-Answer	18 (21 - 38)
C	24%	Long-Answer	6 (39 - 44)

3. Read the instructions at the beginning of each section carefully before attempting the questions
4. Answer all the questions.
5. Please use a 2B pencil to shade your answer in the OAS for Part A.

Parent's signature: _____

Section A: Multiple-Choice Questions (40 marks)

For Questions 1 to 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.

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1 The value of the digit 9 in 89 214 is

(1) 9
(2) 90
(3) 9 000
(4) 90 000

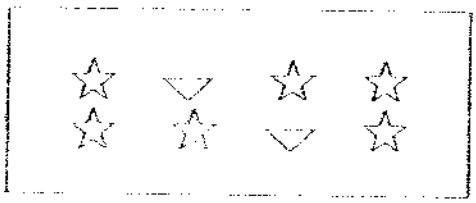
( )

2. Which of the following is a multiple of both 2 and 7?

(1) 5
(2) 9
(3) 27
(4) 28

( )

3. What fraction of the shapes below are ▽?



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

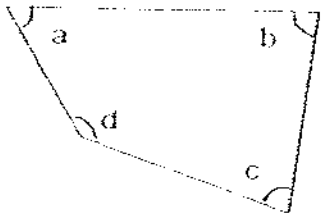
( )

4. How many one-fifths are there in 6 wholes?

(1) $1\frac{1}{5}$
(2) 5
(3) 6
(4) 30

( )

5. In the figure, which angle is greater than a right angle?



(1) ∠a
(2) ∠b
(3) ∠c
(4) ∠d

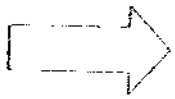
( )

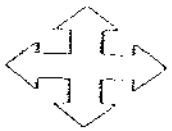
6. 5.03 x 4 = _____

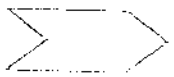
(1) 20.02
(2) 20.12
(3) 20.42
(4) 20.52

( )

7. Which of the following shapes can be tessellated?

(1) 

(2) 

(3) 

(4) 

( )

12.400

8. Esther's office is 12 376 km from her house. Express this distance to the nearest hundredth kilometre.

(1) 12.3
(2) 12.37
(3) 12.38
(4) 12.400

( )

9 There were 1500 spectators at a stadium. $\frac{2}{3}$ of them were adults. $\frac{1}{5}$ of the adults were females. How many female adults were there at the stadium?

(1) 200
(2) 300
(3) 1000
(4) 1200

( )

10. Mingda spends his free time as shown in the table below.

Activity	Amount of Free Time
Reading	2 h
Listening to music	1 h 30 min
Doing household chores	1 h 30 min
Playing computer games	1 h

What fraction of his free time does Mingda spend in doing household chores?

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

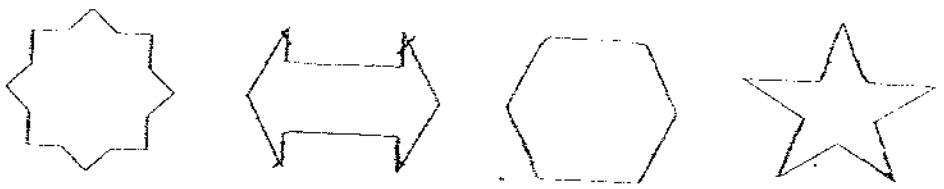
(2) $\frac{1}{5}$

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

(4) $1\frac{1}{2}$

( )

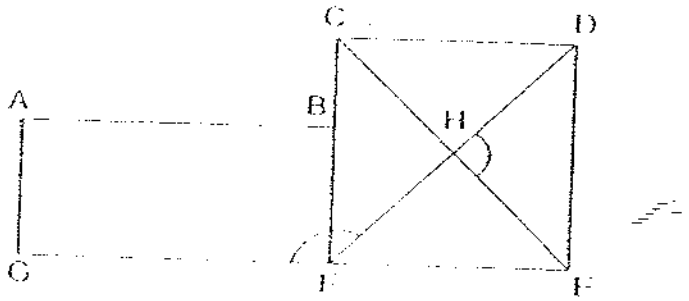
11. Look at the following shapes. How many shape(s) has/have both parallel and perpendicular lines?



(1) 1
(2) 2
(3) 3
(4) 4

( )

12. Look at the following diagram which is made up of a rectangle and a square. Find the sum of $\angle GFH$ and $\angle DHF$.



(1) 135°
(2) 180°
(3) 225°
(4) 235°

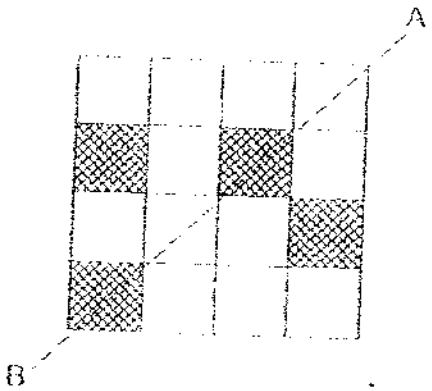
( )

13. James took $\frac{3}{10}$ h to walk from his house to the school. How many seconds did he take?

(1) 18 s
(2) 30 s
(3) 1080 s
(4) 1800 s

( )

14 What is the least number of squares that still need to be shaded so that line AB is the line of symmetry for the following figure?



(1) 1
(2) 2
(3) 3
(4) 4

( )

15 What is the product of the 2 biggest factors of 162?

(1) 24
(2) 32
(3) 64
(4) 128

( )

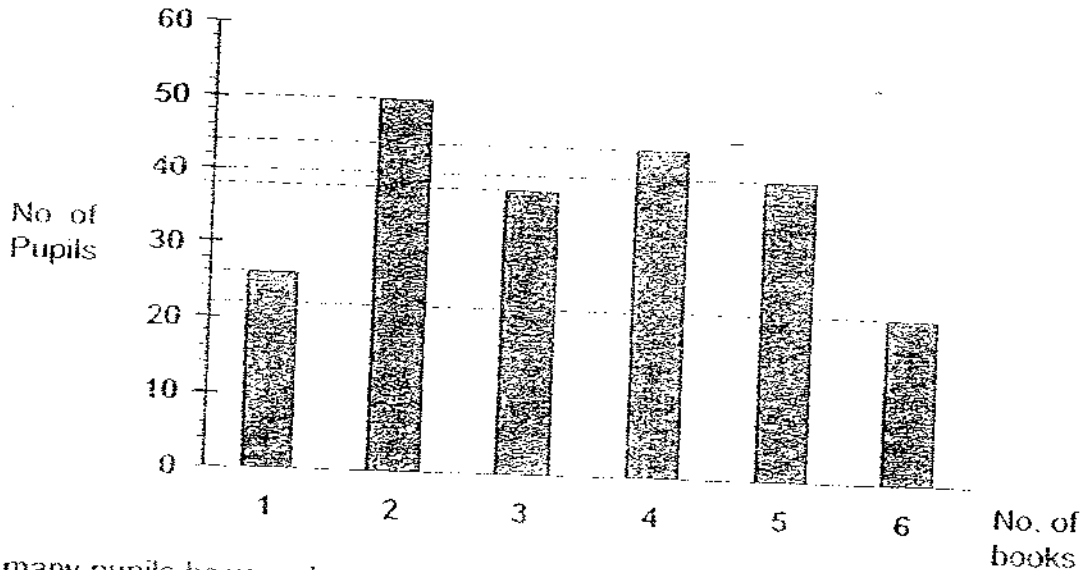
16 Fill in the missing number in the box.

$108 \times 99 = 110 \times 99 + 10 \times 99 - \square \times 99$

(1) 8
(2) 2
(3) 12
(4) 228

( )

17 The following graph shows the number of pupils who borrowed books from the school library in a week.



How many pupils borrowed more than 4 books?

(1) 42
(2) 44
(3) 62
(4) 106

( )

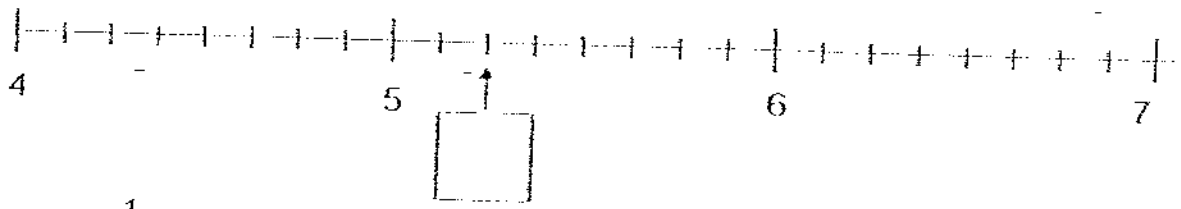
18 Find the missing number in the box

$$1\frac{1}{6} \times 12 = \frac{\square}{4}$$

(1) 14
(2) 21
(3) 56
(4) 84

( )

19. Fill in the box with the correct mixed number for the following number line.



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

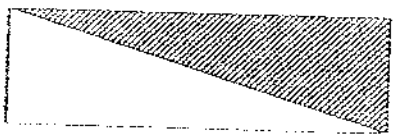
(2) $5\frac{1}{4}$

(3) $5\frac{2}{7}$

(4) $5\frac{2}{10}$

( )

20. The perimeter of the figure below is 16 cm. If its length is 3 times its breadth, find the area of the shaded part.



(1) 6 cm^2
(2) 8 $(m)^2$
(3) 12$(ft)^2$
(4) 48$(ft)^2$

( )

Section B: Short-Answer Questions (36 marks)

Do not write in this space

Questions 21 to 38 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the answer blank provided. For questions which require units, give your answers in the units stated.

21. Round off 53 153 to the nearest hundred.

Answer: _____

22. Fill in the blank with the correct number in the number pattern below.

57, 70, 83, _____, 109

Answer: _____

23. Subtract 299 from 412.

Answer: _____

24. $3\frac{5}{7} = \frac{\square}{7}$

What is the missing number in the box?

Answer: _____

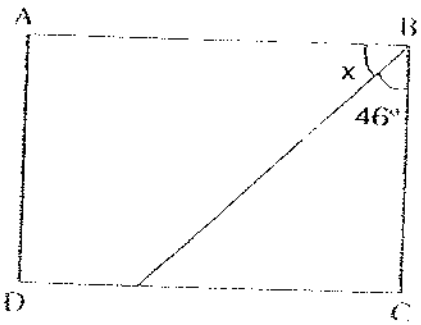
SCORE

25 Find the value of $1 - \frac{1}{4} - \frac{1}{8}$.

Do not write in this space

Answer: _____

26. In the figure, ABCD is a rectangle. Find the value of $\angle x$.



Answer: _____

27. Find the value of 2.08×6.

Answer: _____

28. Write 7 hundredths as a decimal.

Answer: _____

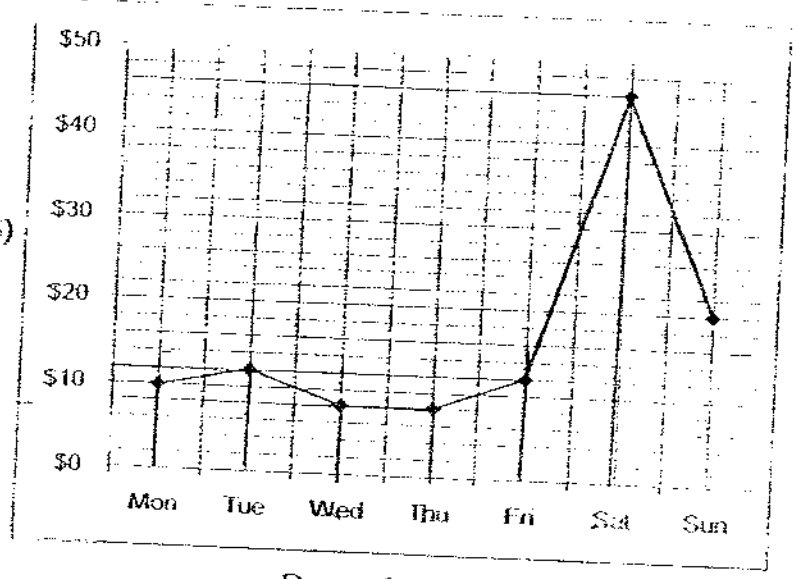
SCORE

29. Arrange the following decimals from the smallest to the greatest.

0.138, 2.54, 2 051, 0.29

Answer: _____ (smallest), _____, _____, _____ (greatest)

30. The graph below shows Susie's spending last week.



How much more did Susie spend on weekends than on weekdays?

Answer: $ _____

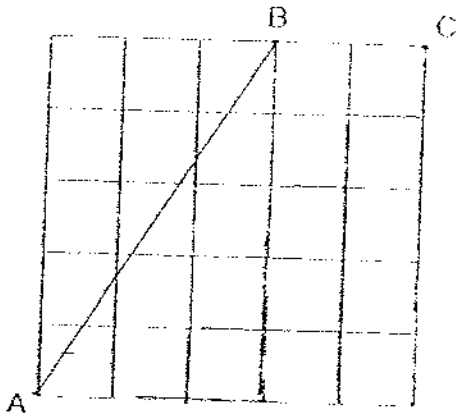
31. Write 2.35 as a fraction in the simplest form.

Answer: _____

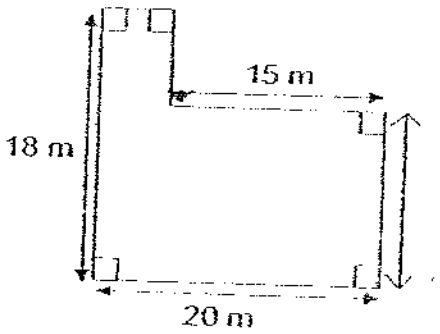
32. Draw a line parallel to AB that passes through point C.

SCORE

Do not write in this space



33. Find the perimeter of the following figure.



Answer _____ m

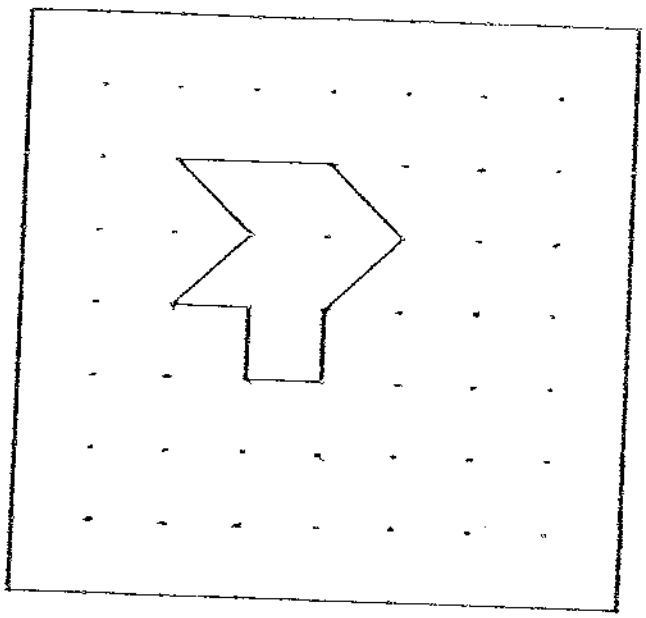
34. Each of the symbols below represents a different number.

What number does a  represent?

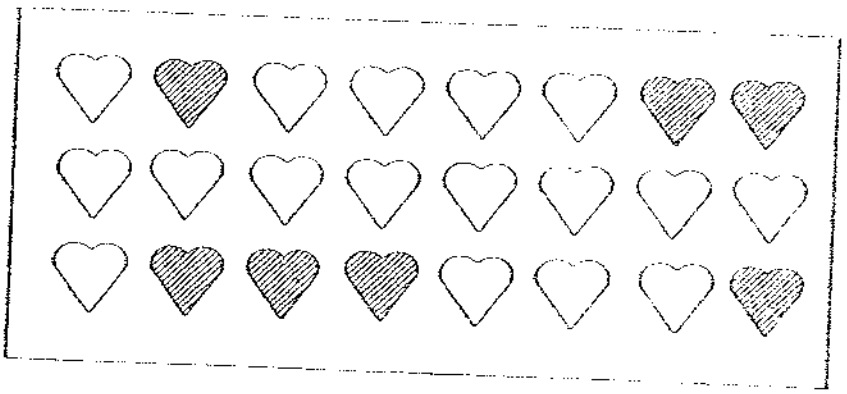
Answer: _____

35. Extend the tessellation by drawing **three** more unit shapes in the box.

Do not write in this space



36. If another $\frac{1}{3}$ of the figure below were to be shaded, what fraction of the whole figure would be shaded? Give your answer in its simplest form.



Answer: _____

SCORE

37. A square piece of paper has an area of 81 cm². Sally wants to cut out rectangles from it. Each rectangle has a length of 4 cm and a breadth that is $\frac{1}{2}$ its length. What is the maximum number of rectangles that can be cut out from it?

Do not write in this space

Answer: _____

38. Sharifah's watch is 40 minutes slower than the actual time. She wants to catch a movie at 9 p.m. She needs to take a bus journey of 45 minutes from her house to the cinema. What time is shown on Sharifah's watch if she leaves the house just to arrive punctually for the movie?

Answer: _____ p.m.

SCORE:

Section C: Long-Answer Questions (24 marks)

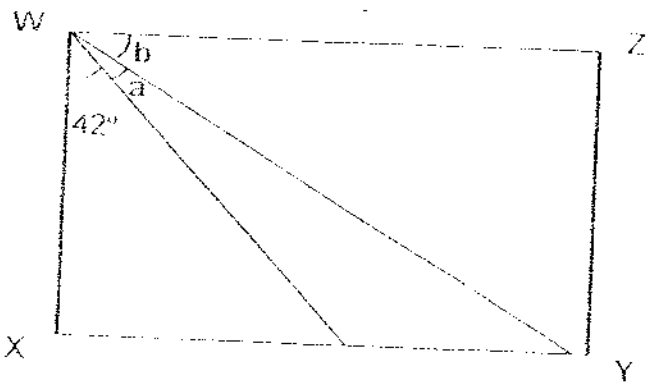
Do not write in this space

Questions 39 to 44 carry 4 marks each. Show your working clearly in the space provided for each question and write your answer in the answer blank provided.

39. David, Ravi and Mark have a total of $240. David has twice as much as Ravi. Mark has $15 more than David. How much money does Mark have?

Ans: _____ (4m)

40 WXYZ is a rectangle. Given that ∠b is twice the size of ∠a, find ∠b.



Ans: _____ (4m)

SCORE

41. Jonathan bought 3 identical shirts and 4 identical belts for $130. If each belt cost $\frac{1}{3}$ as much as a shirt, find the cost of a shirt.

Do not writ in this spac

Answer: _____ (4m)

42. The diagram below shows the different figures formed by increasing the number of tables and chairs and joining them in a straight line.

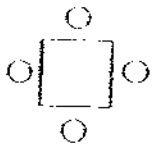


Figure 1
1 table
4 chairs

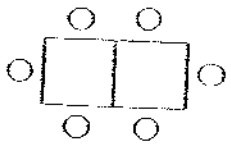


Figure 2
2 tables
6 chairs

Figure 3
3 tables
8 chairs

(a) Draw the arrangement for Figure 4 in the space below. (1m)

(b) Calculate the number of chairs needed for Figure 5.

(c) Calculate the number of chairs needed for Figure 10

Answer: (b) _____ (1m)

(c) _____ (2m)

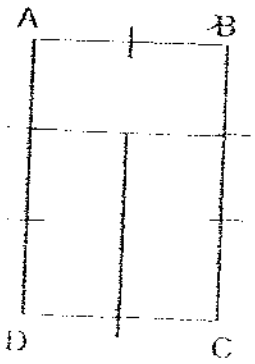
SCORE

43. Samy had four times as much money as Mary at first. After Samy gave $45 to Mary, Samy has the same amount of money as Mary. How much money did Mary have at first?

Do not write in this space

Answer: _____ (4m)

44 The figure ABCD is made up of 3 identical rectangles. It has a perimeter of 30 cm. What is the area of ABCD?



Answer: _____ (4m)

END OF PAPER

SCORE

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 2

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

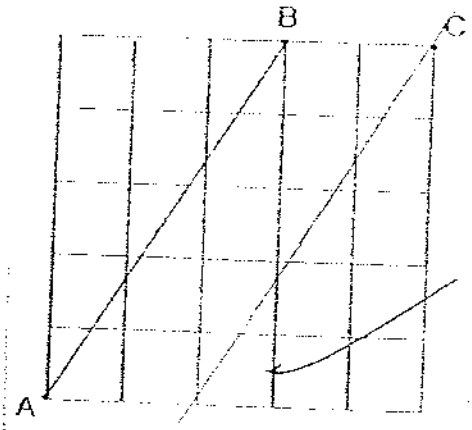
Q18	Q19	Q20
3	2	1

21)53200 **22)96** **23)113** **24)26**

25)5/8 **26)44°** **27)12.48** **28)0.07**

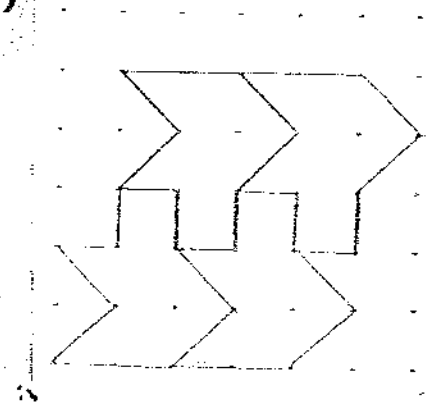
29)0.138, 0.29, 2.051, 2.54 **30)$16** **31)27/20**

32)



33)76m **34)5**

35)



36)5/8 37)8 38)7.35p.m.

39)240-15=225
225÷5=45
45x2=90
90+15=105

40)90° -42° =48°
48° ÷3=16°
16° x2=32°

41)130÷13=10
$10x3=$30

42)a)Figure 4 ,4 tables, 10 chairs
b)12 chairs
c)22 chairs

43)3u→$45
1u→45÷3=$5
15x2=$30

44)30cm÷10=3cm
3x2=6
3x3=9
9x6=54cm$_2$