SA1

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2004

PRIMARY 4

MATHEMATICS

TIME: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/100

Name: _____ (   )

Class: Primary 4 (   )

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

Section A

Questions 1 to 20 carry two marks each. For each question, four choices are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.   (Total: 40 marks)

1. What is the value of the digit '6' in 760 043?

    (1)   6 tens   (2)   60 tens
    (3)   60 hundreds   (4)   600 hundreds

2. Find the sum of 347 and 98.
    Round off the answer to the nearest ten.

    (1) 440   (2)   445
    (3) 450   (4)   500

3. Which of the following sets of numbers has '4' as one of their common factors?

    (1) 7 and 14   (2)   14 and 40
    (3) 22 and 28   (4)   12 and 32

4. 6, 12, 18, 24, ...
    These numbers are common multiples of _____.

    (1)   2 and 3   (2)   2 and 4
    (3)   4 and 6   (4)   6 and 8

5. What is the product of 298 and 31?

    (1) 1192
    (2) 3874
    (3) 8238
    (4) 9238

6. What is the missing fraction in the box?

$$2\frac{1}{4} + 1\frac{3}{5} = \boxed{}$$

    (1) $\dfrac{17}{20}$
    (2) $1\dfrac{13}{20}$
    (3) $3\dfrac{1}{3}$
    (4) $3\dfrac{17}{20}$

7. Mrs Chee cuts $\dfrac{5}{8}$ m from a piece of cloth that is $1\dfrac{1}{2}$ m long. What is the length of cloth left?

    (1) $\dfrac{7}{8}$ m
    (2) $1\dfrac{1}{8}$ m
    (3) $1\dfrac{7}{8}$ m
    (4) $2\dfrac{1}{8}$ m

8. Change $\dfrac{19}{2}$ into a mixed number.

    (1) $1\dfrac{9}{2}$
    (2) $5\dfrac{1}{2}$
    (3) $9\dfrac{1}{2}$
    (4) $10\dfrac{1}{2}$

2

9. Change $3\frac{1}{4}$ into an improper fraction.

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

(2) $\frac{13}{4}$

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

(4) $\frac{17}{4}$

10. Rajan spent $\frac{1}{4}$ of his salary on a watch. If his salary was $720, how much had he left?
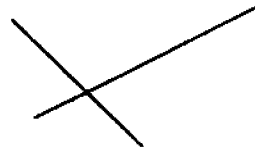
(1) $90

(2) $180

(3) $360

(4) $540
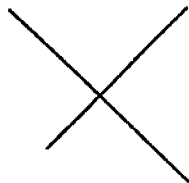
11. Which pair of lines below are perpendicular lines?

(1)

(2)

(3)

(4)

3
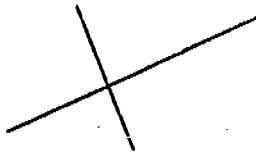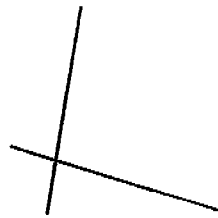
12. Find ∠PQR as shown in the diagram below.
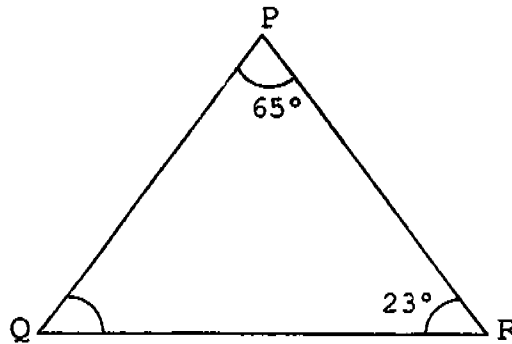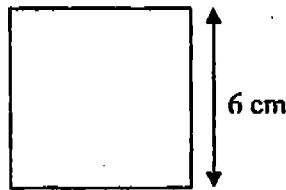

(1) 12°   (2) 23°
(3) 88°   (4) 92°

13. Find the area of the square shown below.
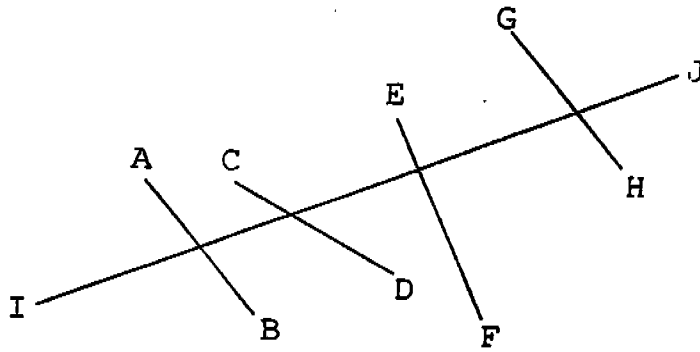

6 cm

(1)   24 cm^2 (2)   32 cm^2
(3)   36 cm^2 (4)   72 cm^2

14. 49000 ÷ 70 = ☐ × 70

(1)   1   (2)   10
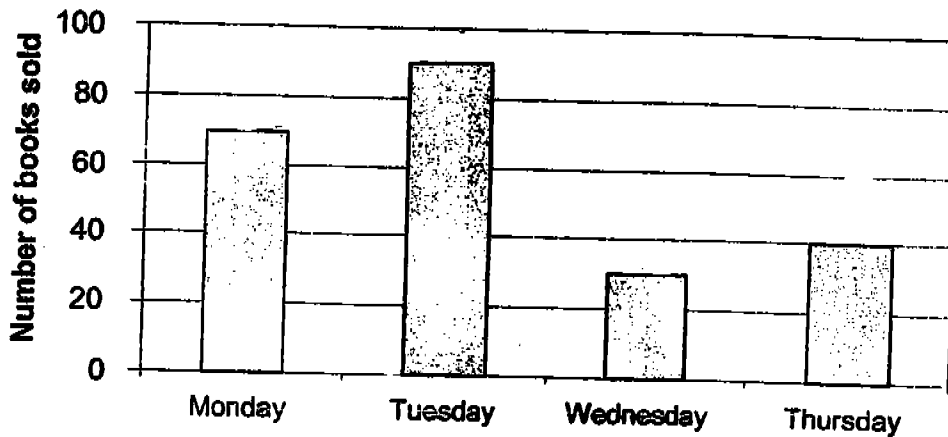(3)   100   (4)   1000

15. The line AB is parallel to _____ .
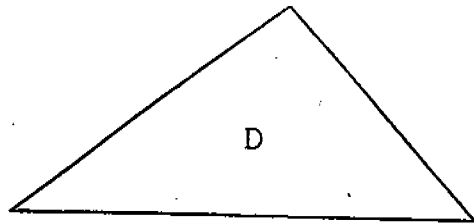

(1) CD   (2) EF
(3) GH   (4) IJ

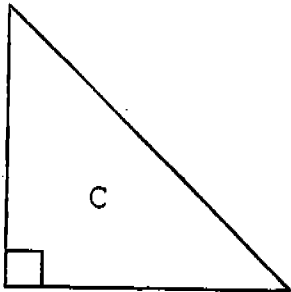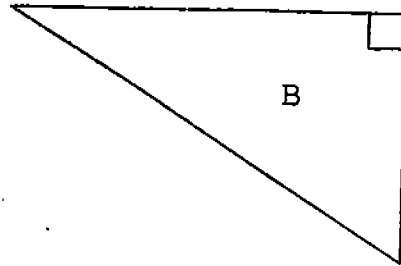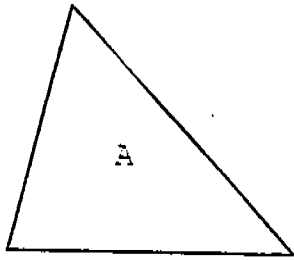16. The bar graph below shows the number of books sold in a shop over a period of 4 days.

What was the total number of books sold in the four days?

(1) 205   (2) 210
(3) 230   (4) 225

5

17. Which of the following is an isosceles triangle?
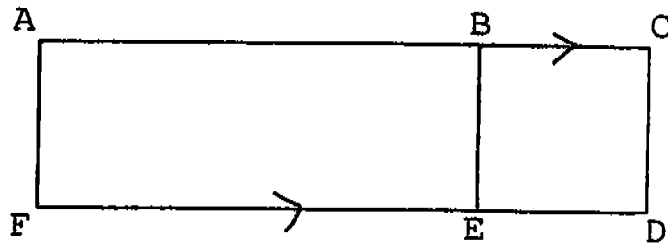

(1) A   (2) B
(3) C   (4) D

18. The figure below is a _____.

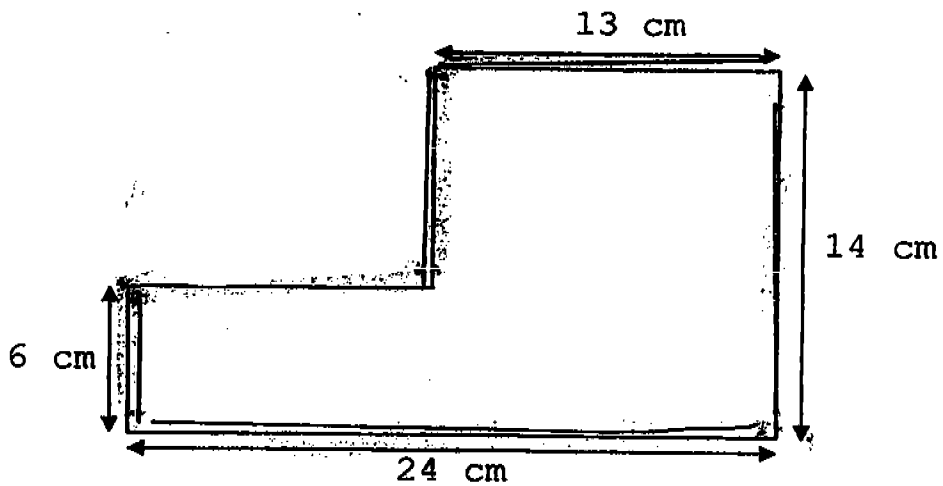(1) rhombus   (2) rectangle
(3) trapezium   (4) parallelogram

6

19. Look at the diagram below. Which one of the following statements is true?

A .... B ...> C
F ...> E D

(1) AB // AF
(3) BC // EF

(2)   BC ⊥ FD
(4)   BE ⊥ CD

20. What is the perimeter of the figure shown below?

13 cm

14 cm

6 cm

24 cm

(1)   65 cm
(3)   76 cm

(2)   68 cm
(4)   248 cm

Section B

Questions 21 to 40 carry 2 marks each.
Write your answers in the boxes provided.

(Total: 40 marks)

21. Write down the largest 4-digit **even** number.

22. Find the product of 63 and 42 and round off the answer to the nearest thousand.

23. Find the product of all the common factors of 15 and 30.

24. When a number is divided by 3, the remainder is 2. When the same number is divided by 4, the remainder is also 2. What is the smallest possible number?

8

25. Square ABCD is cut into 4 smaller squares with an area of 25 cm² each. Find the perimeter of square ABCD.

A ┌───┬───┐ B
  │25 cm²│   │
  ├───┼───┤
  │   │   │
D └───┴───┘ C
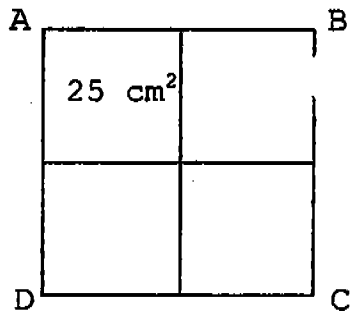
┌──────────────┐
│   cm │
└──────────────┘

26. What is the area of the figure shown below?

12 cm

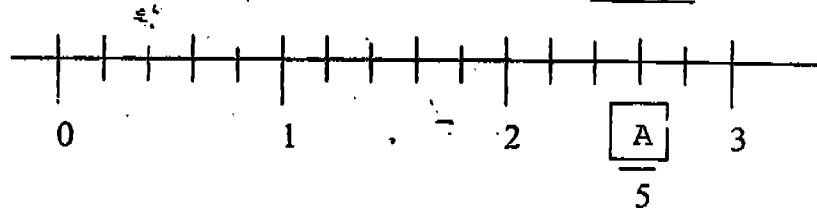13 cm

7 cm
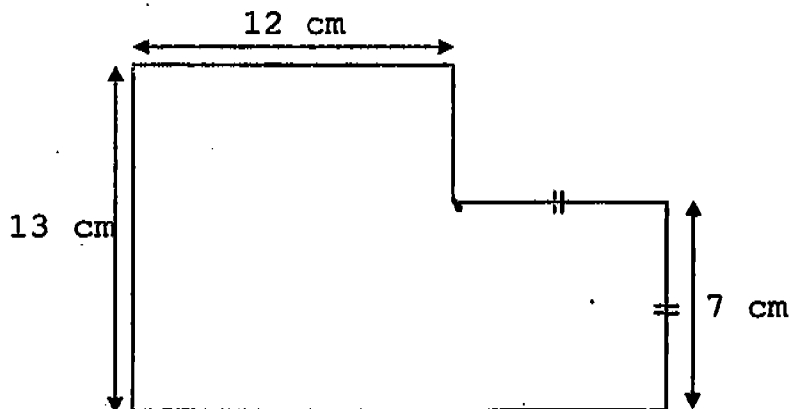
┌──────────────┐
│   cm² │
└──────────────┘

27. Moses ate half of a pizza. Abram ate $\frac{1}{4}$ pizza more than Moses. What fraction of the pizza did both of them eat? (Give your answer in its simplest form)

28. $5\frac{1}{9}$ is ☐ more than $4\frac{2}{3}$.

29. Look at the number line shown below. The number represented by 'A' is _____.

0   1   2   A   3

$\frac{A}{5}$

A=

30. De Xiong had 32 cherries. After eating $\frac{7}{8}$ of them, he gave $\frac{1}{2}$ of the remainder to his nephew. How many cherries had he left?

10

31. When Ah Ming delivered 35 bags of rice, Ali would have delivered 10 bags of rice. At this rate, how many bags of rice were delivered by Ah Ming if both of them delivered a total of 225 bags of rice?

32. Mr Lee packed 660 oranges equally into 10 boxes. He then gave Ali and Ahmad one box of oranges to be shared equally between the two of them. How many oranges did each of them get?

11

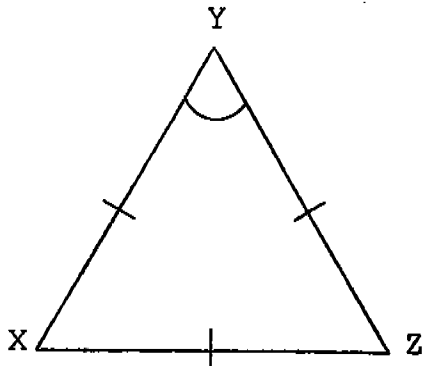Study the diagram shown below carefully and answer **Questions 33 and 34.**
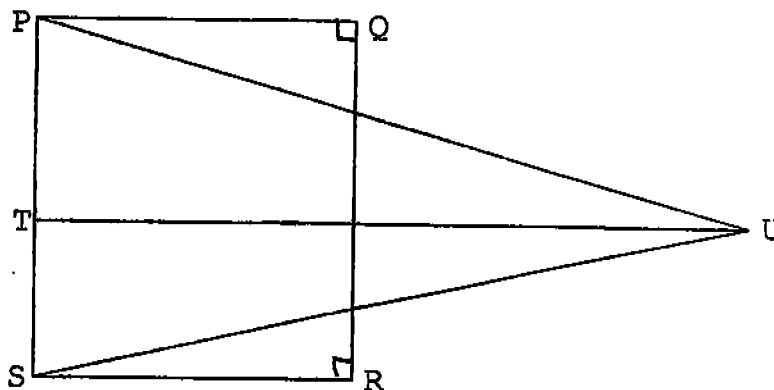
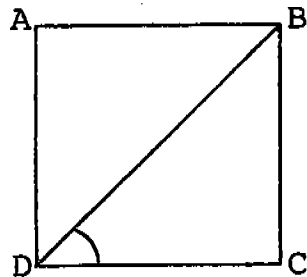
33. Name one line that is parallel to PS.
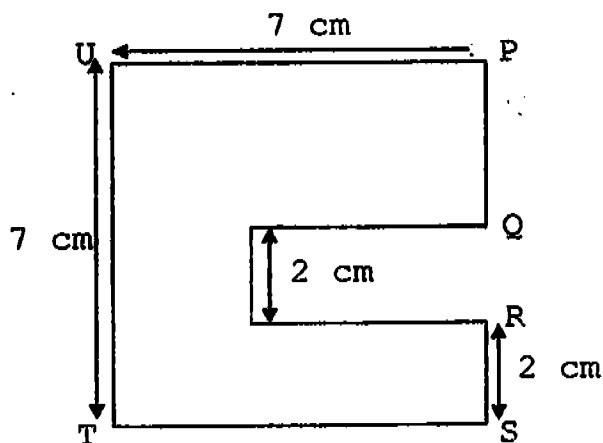
34. Name two lines that are perpendicular to QR.

and

35. In the diagram below, ∠XYZ is _____°.

°

12

36. The diagram below is a square. Find ∠BDC.

37. Find the length of PQ.

13

38. Ling Ling has 200 stickers and she shares them equally with some friends. If each of her friends gets 10 stickers, how many friends does she share her stickers with?

5 pupils participated in a 100 m race. The graph below shows the time taken by each pupil to complete the race. Study it carefully and then answer **Questions 39 and 40.**
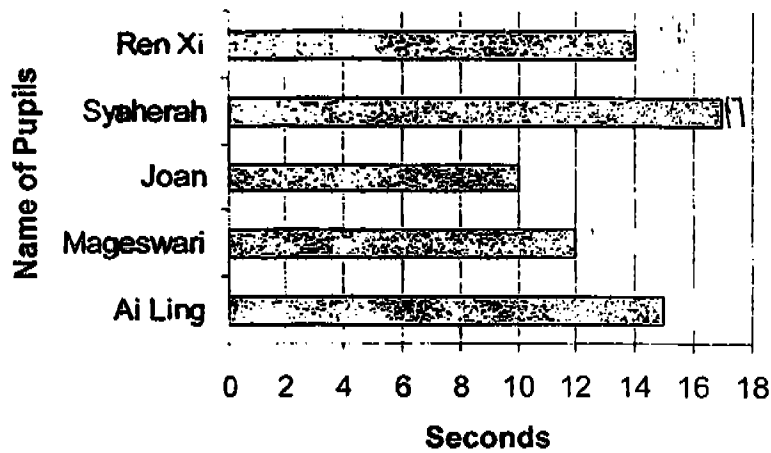
39. How many pupils took less than 15 seconds to complete the race?

40. Who was the fastest runner?

14

Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working in the space provided.

(Total: 20 marks)

41. Ailing, Betty and Leela have 1733 stamps altogether. Ailing and Betty have the same number of stamps each. Leela has 26 stamps more than Ailing. How many stamps does Leela have?

42. Mr Chua had 340 ducks and 260 chickens in his farm. He sold 70 ducks and bought some chickens. He then had twice as many chickens as ducks. How many chickens did he buy?

43. The graph below shows the number of birthday cards sold by Mr Lee.

Monday	♡ ♡ ♡ ♡ ♡ ♡ ♡ ♡ ♡
Tuesday	♡ ♡ ♡
Wednesday	♡ ♡ ♡ ♡ ♡
Thursday	♡ ♡
Friday	♡ ♡ ♡ ♡ ♡ ♡
One ♡ represents 8 birthday cards.	

(a) If the number of birthday cards sold on Saturday is **thrice** as many as those sold on Monday, **how many** more birthday cards were sold on Saturday than on Monday?

(b) From Monday to Friday, Mr Lee sold only $\frac{2}{5}$ of the total number of birthday cards. How many birthday cards were there altogether?

44. The figure below is made up of 2 squares. The area of the bigger square is 4 times the area of the shaded square. The area of the shaded square is 16 cm^2. Find the perimeter of the bigger square.
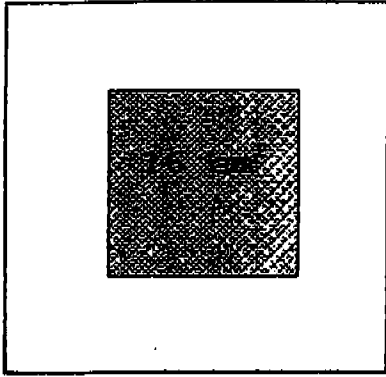
45. Rahman and Zhihao had 177 stickers altogether. After Rahman used $\frac{1}{4}$ of his stickers and Zhihao used 37 stickers, they had the same number of stickers left. How many stickers did Rahman have at first?

☺ *End of Paper* ☺
Please Check Carefully

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FIRST SEMESTRAL EXAMINATION
2004
PRIMARY 4
MATHEMATICS

SA1

1) 4

2) 3

3) 4

4) 1

5) 4

6) 4

7) 1

8) 3

9) 2

10) 4

11) 3

12) 4

13) 3

14) 2

15) 3

16) 3

17) 3

18) 4

19) 3

20) 3

21) 9998

22) 3000

23) 225

24) 14

25) 40 cm

26) 205

27) 1 1/4 pizza

28) 4/9

29) 13

30) 2

31) 175

32) 33

33) QR

34) PQ and SR

35) 60

36) 45°

37) 3

38) 19

39) 3

40) Joan

41) 595 stamps

42) 280 chickens

43) a) 144

   b) 500 birthday cards

44) 32 cm

45) 80 stickers