



AI TONG SCHOOL

2008

SEMESTRAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 7 MAY 2008

INSTRUCTIONS

Do not open the booklet until you are told to do so.

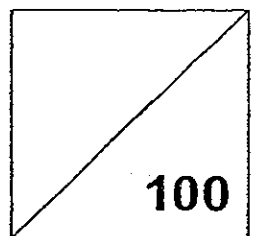
Follow all instructions.

Answer all questions.

Name : _____ ()

Class : Primary 4 _____

Marks:



Parent's Signature : _____

Date : _____

Section A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet
with a 2B pencil. (20 marks)

1. $64\,832 = 60\,000 + 4000 + \boxed{} + 30 + 2$

What is the missing number in the box?

- (1) 8
 - (2) 80
 - (3) 800
 - (4) 8000
2. What is the common factor of 36 and 81?
- (1) 12
 - (2) 9
 - (3) 6
 - (4) 4
3. Miss Soh bought a television set for \$12 546.
Round off this amount to the nearest \$100.
- (1) \$12 000
 - (2) \$12 500
 - (3) \$12 600
 - (4) \$13 000
4. 14, 21, 28 and 35 are multiples of _____.
- (1) 14
 - (2) 7
 - (3) 3
 - (4) 5

5. There are 36 pupils and 6 teachers on each bus. How many passengers are there in 15 buses?

- (1) 42
- (2) 90
- (3) 540
- (4) 630

6. The difference between two numbers is 46. If the bigger number is 3 times the smaller number, find the sum of the two numbers.

- (1) 49
- (2) 69
- (3) 92
- (4) 138

7. Express $\frac{22}{7}$ as a mixed number.

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

8. What is $3\frac{1}{3}$ as an improper fraction?

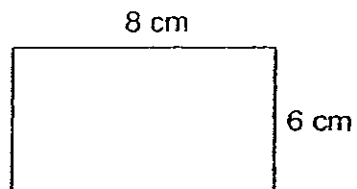
(1) $\frac{4}{3}$

(2) $\frac{10}{3}$

(3) $\frac{31}{9}$

(4) $\frac{10}{9}$

9. What is the perimeter of the rectangle below?



(1) 14 cm

(2) 28 cm

(3) 48 cm

(4) 96 cm

10. The length of a rectangle is 4 cm longer than its breadth. The perimeter of the rectangle is 40 cm. Find the breadth of the rectangle.

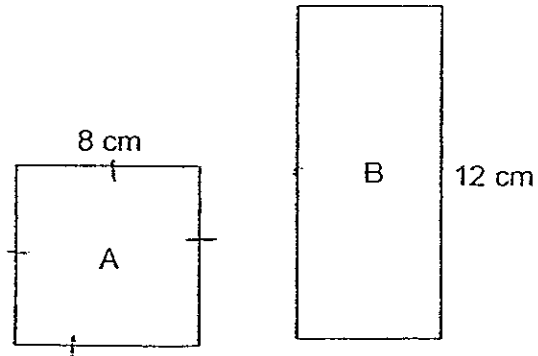
(1) 8 cm

(2) 10 cm

(3) 12 cm

(4) 14 cm

11. Figure A is a square with each side measuring 8 cm. Figure B is a rectangle with a length of 12 cm. Both figures have the same perimeter. Find the area of Figure B.



- (1) 16 cm^2
(2) 20 cm^2
(3) 32 cm^2
(4) 48 cm^2
12. Alan ate $\frac{1}{4}$ of a pizza. Bryan ate $\frac{1}{8}$ of the same pizza. What fraction of the pizza did they eat altogether?

- (1) $\frac{1}{8}$
(2) $\frac{3}{8}$
(3) $\frac{1}{12}$
(4) $\frac{2}{12}$

13. Mr Lau is 50 years old. Last year, his son was $\frac{1}{7}$ of his age. How old is Mr Lau's son now?

- (1) 7 years old
- (2) 8 years old
- (3) 9 years old
- (4) 10 years old

14. Joel and Allan had the same amount of pocket money. After Joel had spent \$60 in a restaurant, Allan's money was thrice that of Joel's. How much pocket money did Joel have at first?

- (1) \$30
- (2) \$60
- (3) \$90
- (4) \$120

15. At a fun fair, 8 fish burgers were sold for every 5 chicken pies sold. If 72 fish burgers were sold, how many chicken pies were sold?

- (1) 9
- (2) 10
- (3) 40
- (4) 45

Section B

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(40 marks)

16.

3, 5, 7, 9

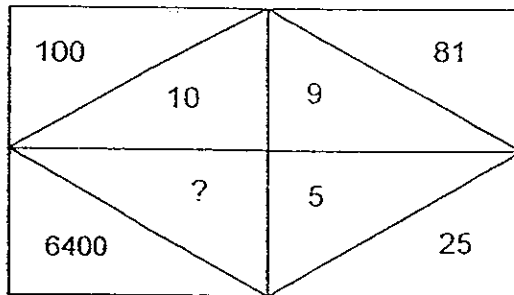
Use all the digits in the box above to form the **biggest 4-digit** whole number that is divisible by 5.

Ans: _____

17. Write fifty thousand and eighty four in figures.

Ans: _____

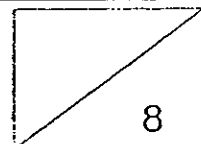
18. Fill in the missing number in the following number patterns.



Ans : _____

19. Find the value of 628×53 .

Ans : _____





20. The sum of 3 numbers is 94. If one of the numbers is **changed** from 27 to 19, what will be the sum of the **new** set of number?

Ans : _____

21. Pei Pei had \$2350 in a bank. She put in another \$200. How much more money must she put in if she wants to have a sum of \$4000 in the bank?

Ans : \$ _____

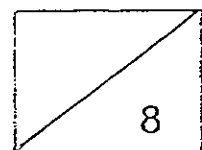


22. A fruit seller had 40 boxes of oranges. There were 28 oranges in each box. If all the oranges were sold at 8 for \$1, how much money would he receive?

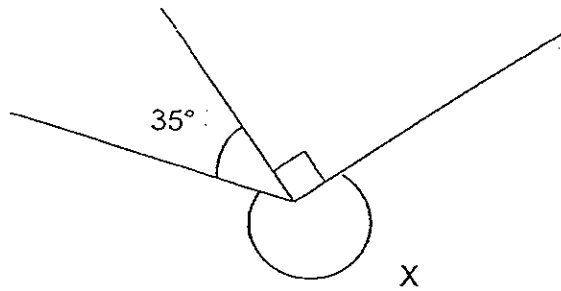
Ans : \$ _____

23. Jonathan paid \$80 for 4 toy guns and 2 toy aeroplanes. A toy gun costs \$5 more than a toy aeroplane. Find the cost of a toy aeroplane.

Ans : \$ _____

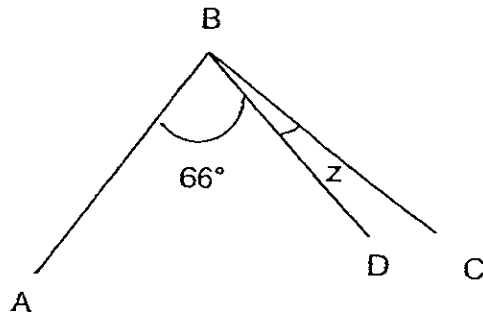


24. The figure below is not drawn to scale. Find $\angle X$.



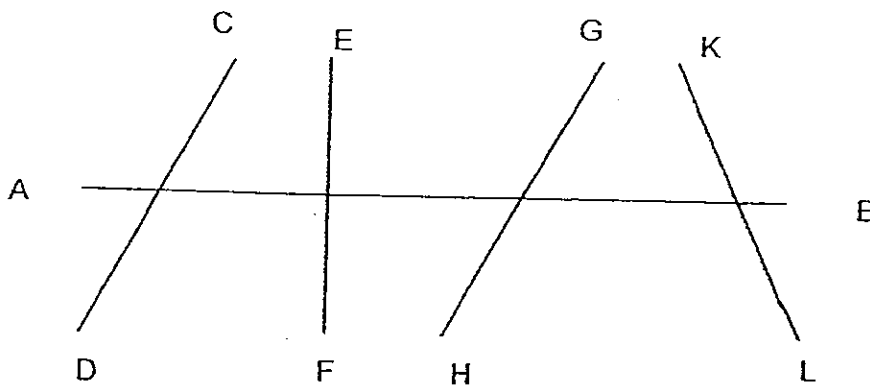
Ans: _____

25. In the figure, $\angle ABC$ is a right angle. Find $\angle z$.

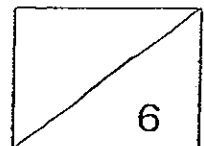


Ans: _____

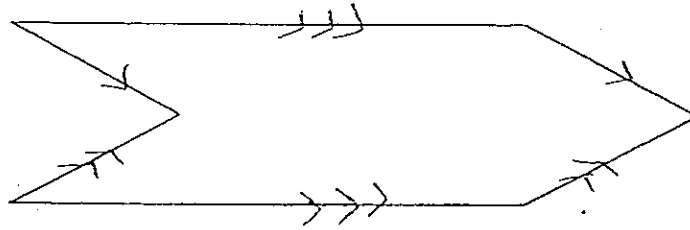
26. In the figure below, name the two lines that are perpendicular to each other?



Ans: \perp



27. How many pairs of parallel lines are there in the figure below?



Ans: _____

28. Arrange $\frac{2}{9}$, $\frac{2}{3}$, $\frac{1}{2}$ from the smallest to the greatest.

Ans: _____

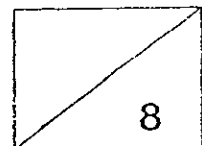
29. $\frac{5}{15} = \frac{\square}{3}$

What is the missing number in the box?

Ans: _____

30. Benny gave away $\frac{2}{9}$ of his stickers and had 35 stickers left. How many stickers did he give away?

Ans: _____



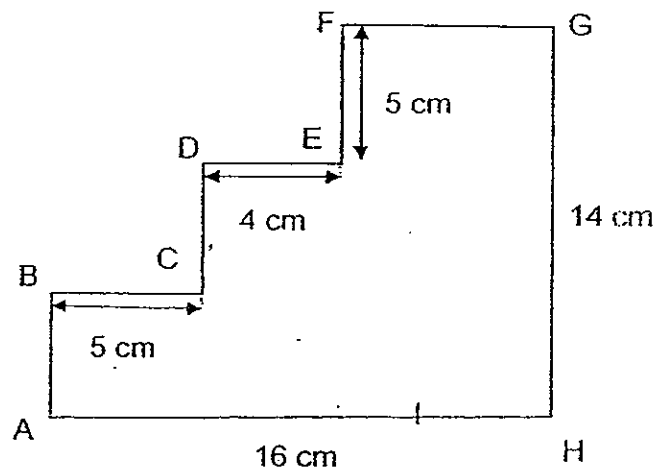
31. Evaluate $\frac{5}{6} - \frac{1}{12}$ and express your answer in the simplest form.

Ans: _____

32. How many sixths are there in 4 wholes?

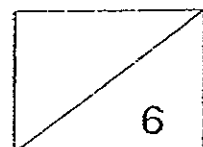
Ans: _____

33. The figure below, not drawn to scale, is made up of 3 rectangles. $CD = EF$. Find the length of AB and FG.



Ans: AB = _____ cm

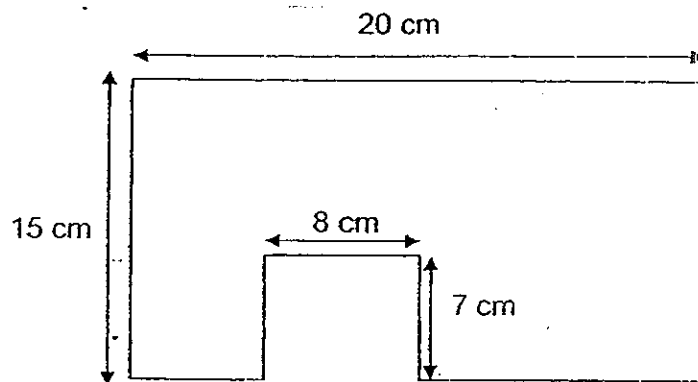
FG = _____ cm



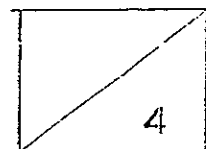
34. Darien ran 3 times round a rectangular field measuring 185 m by 95 m.
Find the total distance that he ran.

Ans: _____ m

35. Find the area of the figure below.



Ans: _____ cm²



Section C

Questions 36 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

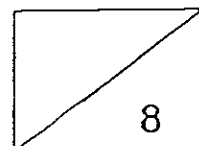
(40 marks)

36. Mrs Long had some money. She kept \$1200 for herself, gave \$450 to her mother and divided the rest equally among her 4 children. If each of her children received \$86, how much did Mrs Long have at first?

Ans: _____ [4]

37. In a mass display, there were 35 rows of children. In each row, there were 3 times as many boys as girls. If there were 24 boys in each row, how many children took part in the display?

Ans: _____ [4]



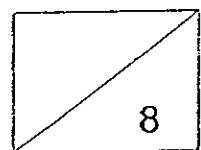
38. One concert ticket cost \$10. For every 7 tickets bought, 2 tickets were given free. Find the total cost of all the tickets for a group of 45 people.

Ans: _____ [4]

39. James paid \$6840 for 3 computers and 3 printers. Each printer cost half as much as each computer.
- (a) Find the cost of each printer.
- (b) Find the cost of each computer.

Ans: (a) _____ [2]

(b) _____ [2]



40. Jenny had 288 postcards. She gave $\frac{1}{3}$ of them to Vanessa, $\frac{2}{9}$ of them to Sally and lost 55 of the postcards.

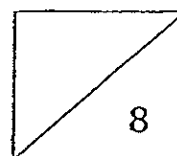
- (a) What fraction of the postcards did she give away?
- (b) How many postcards had she left?

Ans: (a) _____ [2]

(b) _____ [2]

41. Mrs Lim used $\frac{1}{4}$ of a piece of cloth to make a dress for herself and $\frac{1}{12}$ of it to make a skirt for her daughter. If she had 24 m of cloth left, how many metres of cloth did she use for the dress?

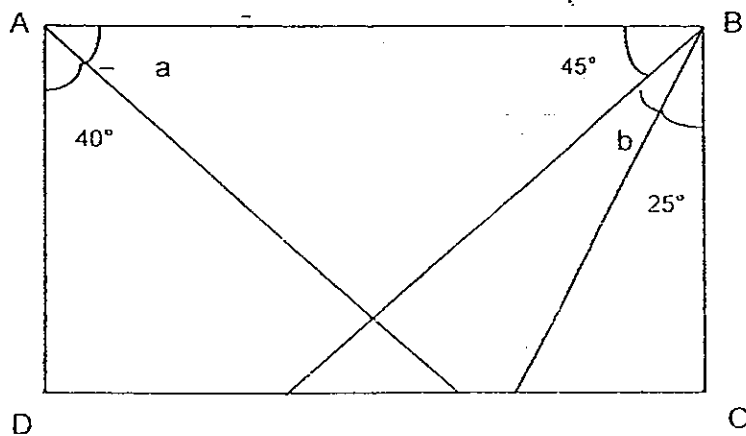
Ans: _____ [4]



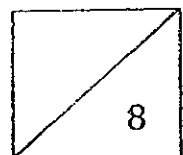
42. Every month, Alson spends $\frac{4}{9}$ of his pocket money and saves the rest. If he spends \$64 every month, how much will he save in 2 years?

Ans: _____ [4]

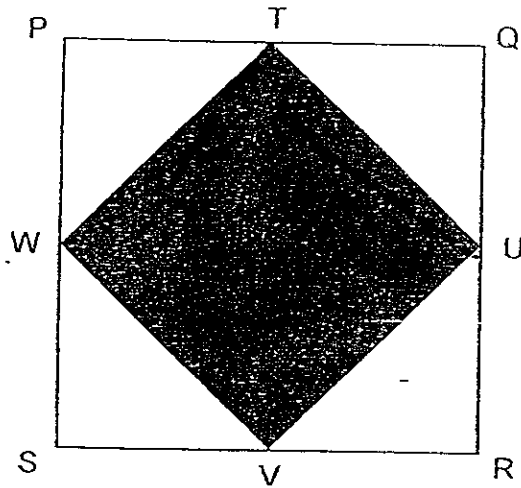
43. ABCD is a rectangle. Find the sum of $\angle a$ and $\angle b$. (The figure is not drawn to scale.)



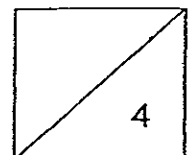
Ans: _____ [4]



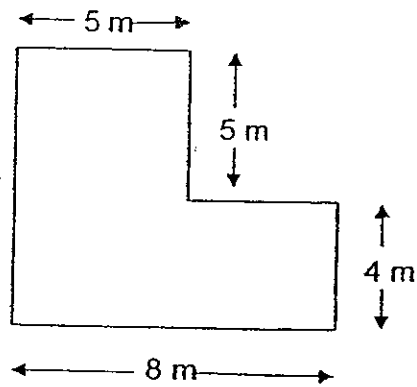
44. PQRS is a square. $PQ = 20$ cm. T, U, V and W are the mid-points of each side of the square PQRS. Find the area of TUVW. (The figure is not drawn to scale.)



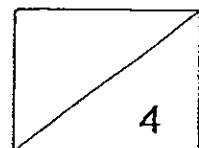
Ans: _____ [4]



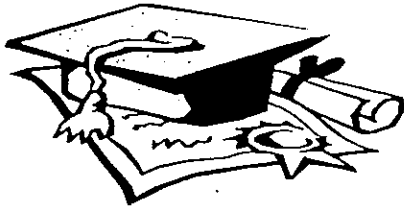
45. Mr Low wants to fence his garden as shown below. How much must he pay if the fencing costs \$18 per metre? (The figure is not drawn to scale.)



Ans: _____ [4]



End-of-paper
Please check your work carefully



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : AITONG PRIMARY SCHOOL

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

16) 9735

17) 50084

18) 80

19) 33284

20) 86

21) \$1450

22) \$140

23) \$10

24) 235°

25) 24°

26) EF, AB

27) 3 pairs

28) $2/9, 1/2, 2/3$

29) 1

30) 10 stickers

31) $3/4$

32) 24 sixths

33) AB = 4cm

FG = 7cm

34) 1680m

35) 244cm^2

36) $\$68 \times 4 = \344

$\$1200 + \$450 + \$344 = \1994

Mrs Long had \$1994 at first.

37) $24 \div 3 = 8$

$8 + 24 = 32$ children

$32 \times 35 = 1120$ children

1120 children took part in the display.

38) \$350

39) a) \$760
b) \$1520

40) a) $\frac{5}{9}$

41) $24 \div 8 = 3\text{m}$

$3 \times 3 = 9\text{m}$

She used 9m of cloth to make a dress.

42) $\$64 \div 4 = \16

$\$16 \times 5 = \80

$\$80 \times 24 = \1920

He will save \$1920 in 2 years.

43) $90^\circ - 40^\circ = 50^\circ$

$45^\circ + 25^\circ = 70^\circ$

$90^\circ - 70^\circ = 20^\circ$

$20^\circ + 50^\circ = 70^\circ$

It is 70°

44) 200cm^2

45) $8 + 4 + 3 + 5 + 5 + 9 = 34\text{m}$

$34 \times \$18 = \612

It costs \$612.