AI TONG SCHOOL

2008
SEMESTRAL ASSESSMENT 2
PRIMARY 3

MATHEMATICS

DURATION : 1 h 30 min

DATE   : 23 October 2008

INSTRUCTIONS
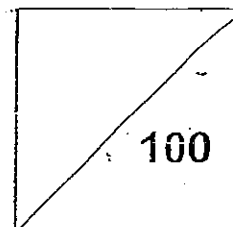Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name   :_____ (   )

Class   : Primary 3_____ Marks:

100

| Parent's Signature | : _____ |
| Date | : _____ |

Questions 1 to 20 carry 2 marks each.
For each of the 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.

(20 marks)

1. In 5903, the digit 9 has the same value as _____.

    1) $9 \times 1 = 9$
    2) $9 \times 10 = 90$
    3) $9 \times 100 = 900$
    4) $9 \times 1000 = 9,000$

2. $7000 + 64 + \boxed{} = 7064$

    1) 7
    2) 0
    3) 6
    4) 4

3. Find the difference between 6021 and 1079.

    1) 4942
    2) 5058
    3) 7090
    4) 7100

4. The product of two numbers is 342.
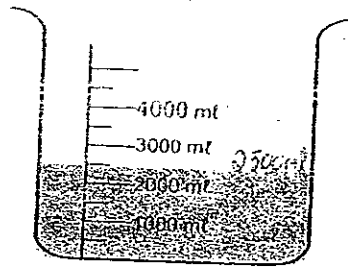   If one number is 6, what is the other number?

    1) 56
    2) 57
    3) 336
    4) 2052

5. Andrew bought 5 books at $15 each and a file for $10.
   How much did he pay altogether?

   1) $15
   2) $25
   3) $75
   4) $85

6. The distance between Ai Tong School and Junction 8 is 2045 m. The taxi driver left Ai Tong School and travelled 1400 m of the journey. How many more metres did he have to travel in order to reach Junction 8?

   1) 545 m
   2) 645 m
   3) 1645 m
   4) 3445 m

7. Express 458 cm in metres and centimetres.

   1) 4 m 58 cm
   2) 40 m 58 cm
   3) 45 m 8 cm
   4) 400 m 58 cm

8. Jane's mass is 48 kg. She is 19 kg heavier than Kumar. What is Kumar's mass in kg?

   1) 19
   2) 29
   3) 48
   4) 67

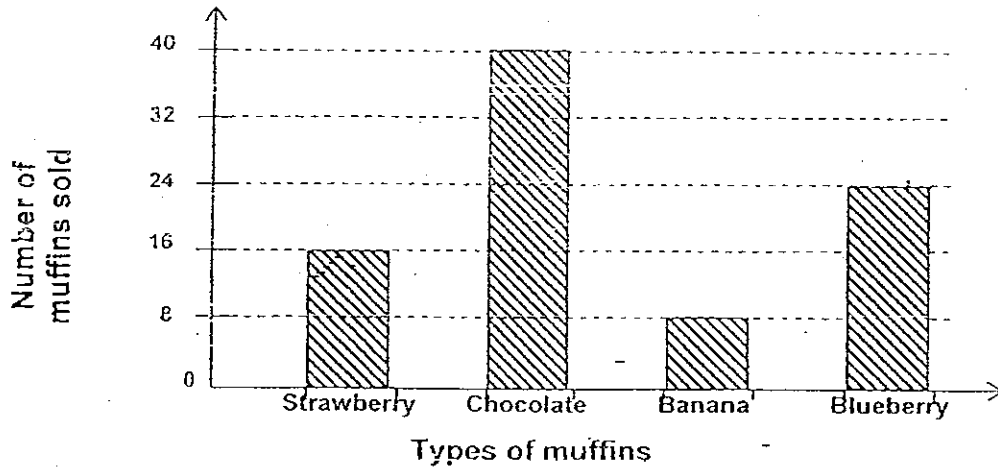9. How much more water must be poured into the beaker to get 4 ℓ ?

4000 mℓ
3000 mℓ
2000 mℓ
1000 mℓ

1) 500 mℓ

2) 1000 mℓ

3) 1500 mℓ

4) 2000 mℓ

10. The capacity of the pail is 1500 mℓ. It is poured into 5 pails of the same capacity. How much water can each pail hold?
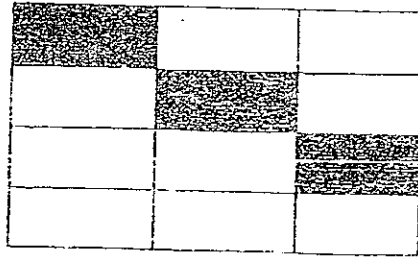
1) 30 mℓ

2) 300 mℓ

3) 1500 mℓ

4) 7500 mℓ

11. The bar graph below shows the types of muffins sold by Julie on a Saturday. How many more chocolate muffins than blueberry muffins did she sell?

1) 16
2) 24
3) 32
4) 64

12. Which of the following fractions is equivalent to $\frac{4}{24}$?

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

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

3) $\frac{1}{12}$

4) $\frac{1}{20}$

13. What fraction of the figure is **not** shaded?

1) $\dfrac{3}{9}$

2) $\dfrac{6}{9}$

3) $\dfrac{9}{12}$

4) $\dfrac{3}{12}$

14. The time now is 11.45 a.m., what time will it be 45 minutes from now?

1) 11.00 a.m.

2) 12.30 a.m.

3) 12.15 p.m.

4) 12.30 p.m.

15. Mother will be 58 years old 12 years later. How old was she 2 years ago?

1) 42 years old

2) 44 years old

3) 68 years old

4) 72 years old

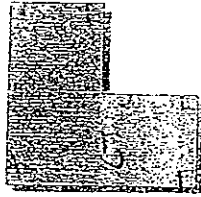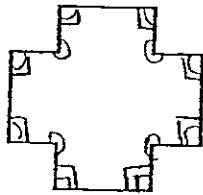16. How many more right angles are there inside figure 2 than inside figure 1?

Figure 1

Figure 2

1) 7

2) 8

3) 3

4) 4

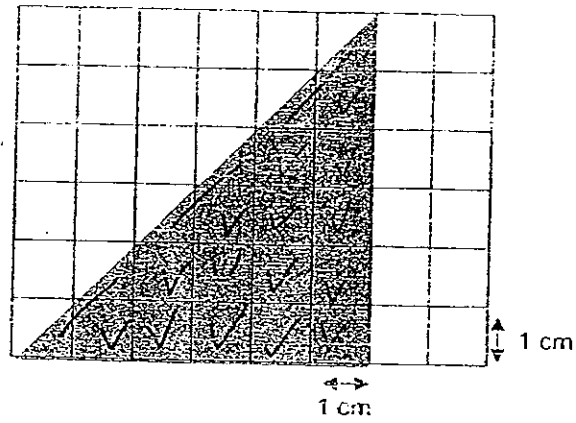17. How many angles are **more than** a right angle inside the figure below?

1) 16

2) 12

3) 8

4) 4

18. A 24 cm long ribbon was used to decorate a square board. Find the area of the square notice board.
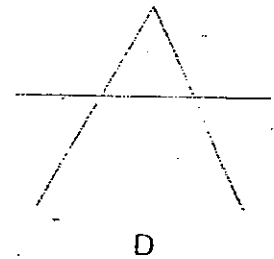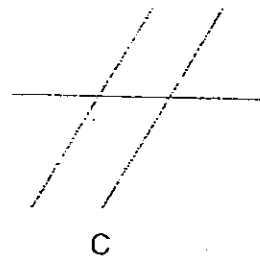
1) 12 cm^2

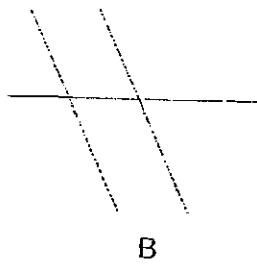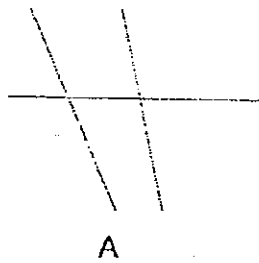2) 24 cm^2

3) 36 cm^2

4) 576 cm^2

19. What is the area of the shaded figure below?

1 cm

1 cm

1) 12 cm^2

2) 18 cm^2

3) 36 cm^2

4) 48 cm^2

20. Which of the figure(s) below have parallel lines?

A   B   C   D

1) A and B

2) A and C

3) B and C

4) A and D

Section B
Question 21 to 40 carry 2 marks each.
Write yours answer in the spaces provided.

(40 marks)

21. $6 + 700 +$ ☐ $= 3560$

Ans: _____

22. $63 -$ ☐ $= 8 \times 7$
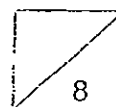
Ans: _____

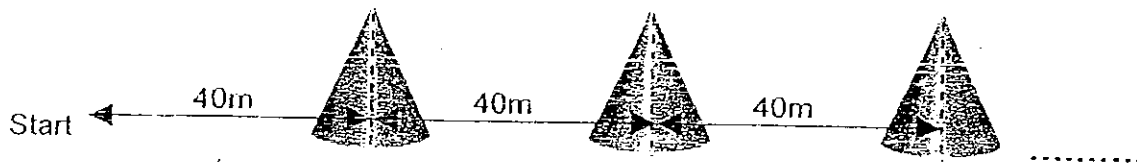23. What is the value of the digit 6 in 5860 ?

Ans: _____

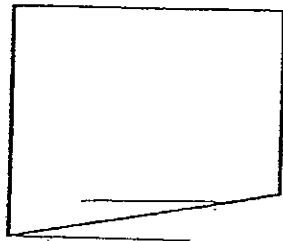24. What is the total value of 6 ten-dollar notes and 4 five-dollar notes?

Ans: $ _____

8

25. A track 200 m long is placed with identical cones at regular intervals of 40 m. How many cones are there if no cone is placed at both ends of the track ?

Ans: _____

26.

Mark all the right angles inside the figure above.

27. A cup of water and a bottle of water can fill a jug with a capacity of 2 litres. If the cup has a capacity of 650 *ml*, what is the capacity of the bottle ?

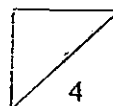Ans: _____ *l* _____ *ml*

2008 – P3 – SA2 – Maths – Ai Tong

(28.) A teacher divides 244 pupils into 3 groups, A, B and C. Group B has 28 more pupils than group A but 14 fewer pupils than Group C. How many pupils are there in Group B?

Ans: _____

29. The mass of a bag of sugar is 3 kg. The mass of a bag of rice is 500 g more than the bag of sugar. What is the total mass of the bag of sugar and the bag of rice ? Give your answer in grams.

Ans: _____ g

4

30. Kelly's piano lesson lasted for 50 minutes. It ended at 12.45 p.m. At what time did her piano lesson start ?
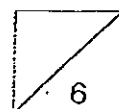
Ans: _____ p.m.

31. Joash took 45 minutes to complete his English homework. He took 25 more minutes to complete his Mathematics homework than his English homework. How much time did he spend to complete both his English and Mathematics homework ?

Ans: _____ h _____ min

32. Arrange the following fractions from the greatest to the smallest.

$$\frac{1}{2} \quad , \quad \frac{4}{7} \quad , \quad \frac{2}{5}$$

Ans: _____ , _____ , _____

2008 − P3 − SA2 − Maths − Ai Tong

6

33. The mass of a box of sweets is $\frac{7}{8}$ kg. The box has a mass of $\frac{1}{4}$ kg. Find the mass of the sweets.
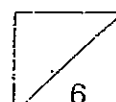
Ans: _____ kg

34. ☀ + ☀ + ☾ + ☾ = 26

☀ + ☀ + ☾ = 18

What is the value of ☀ ?

Ans: _____

35. Peggy swam 3 laps and Kenneth swam 6 laps in a swimming pool. They swam 495 m altogether. What is the length of 1 lap?
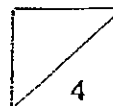
Ans: _____ m

6

36. Alicia bought 3 story books and she had $7 left. If she were to buy 4 story books, she would be short of $8. What is the cost of 1 story book?

Ans: $ _____

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37. 5 boys want to share 37 marbles. What is the least possible extra number of marbles needed so that each boy can have an equal number of marbles?
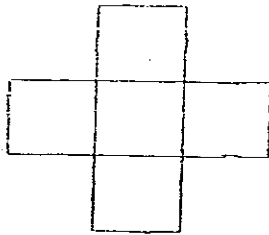
Ans: _____

Study the figure below and answer questions 38 and 39.

The figure below is made up of 5 identical squares of side 3 cm.

(The figure is not drawn to scale.)

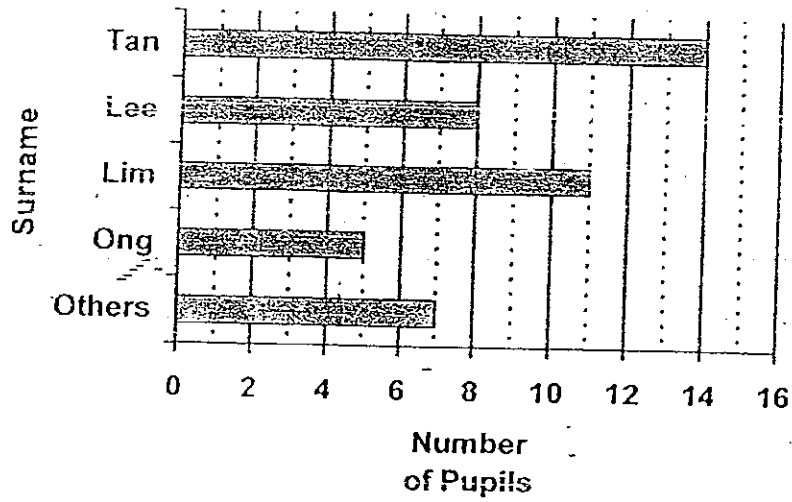38. What is the perimeter of the figure?

Ans: _____ cm

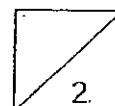39. What is the area of the figure?

Ans: _____ cm²

40. . The bar graph below shows the number of pupils in a class who bear the same surname.

How many pupils are there in the class ?

Ans: _____

Section C

Questions 41 to 45 carry 4 marks each.
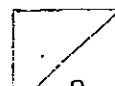
For questions 41 to 45, show your workings clearly in the space below each question and write your answers in the spaces provided.   (20 marks)

41.   Mr Bean had 3500 beads. 1965 of them were green and the rest were red. How many more green beads than red beads were there ?

Ans: _____

42.   Mrs Pang and Mrs Han had the same amount of biscuits. After Mrs Pang sold 24 kg of biscuits, Mrs Han had 5 times as much biscuits as Mrs Pang had left. What was the mass of biscuits Mrs Han had at first ?
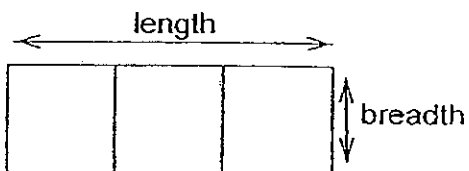
Ans: _____

43. Jessie has 11 stickers. She gave 4 stickers to her sister and 5 stickers to her brother. What fraction of her stickers had she left ?

Ans: _____

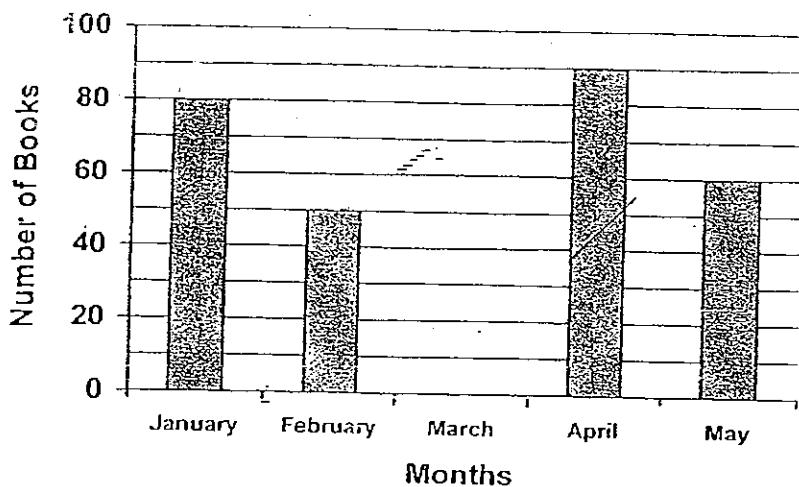**44.** The rectangle below is made up of 3 squares.

If the perimeter of the rectangle is 4 m, find the length of

(a) 1 side of a square.

(b) the above rectangle.

Ans: (a) _____

Ans: (b) _____

45. The graph shows the number of books Alastair had read from January to May. Study the picture carefully and answer the following questions.
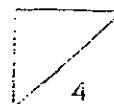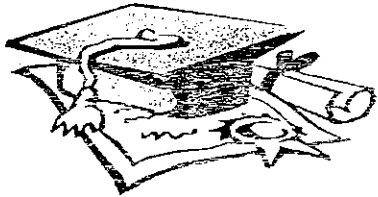

Alastair had read 340 books in all.

✱. a) Show the number of books that he had read in March <u>by drawing in the graph above.</u>

2. b) How many more books did he read in April than in February?

Ans: (b) _____

ANSWER SHEET

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

Q18	Q19	Q20
1	4	3

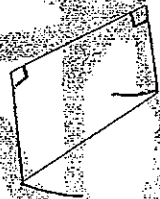21)2854   22)7   23)60   24)$80   25)4

26)   27)1L 350ml   28)86   29)6500g

30)11.55a.m.   31)1h 55min   32)4/7, ½, 2/5

33)5/8kg   34)5   35)55m   36)$15   37)3

38)36cm   39)9cm$_2$ 40)45

41)3500-1965=1535
   1965-1535=430
There were 430 green beads more than red beads.

42)30kg   43)2/11   44)a)50cm   b)150cm

45)a)March=60   b)40