ANGLO-CHINESE SCHOOL
(PRIMARY)

S A7

MID-YEAR EXAMINATION 2004

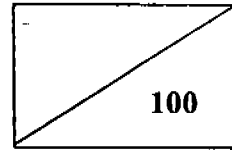## MATHEMATICS

BOOKLET A

Name: __ ___   _ ... _____ (   )

Class: Primary 5 __ _

Date: 13 May 2004

Duration of paper: 2 h 15 min

100

Parent's Signature

THIS BOOKLET CONTAINS PAGE 1 TO 6.

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION A (25 MARKS)

Questions 1 to 5 carries 1 mark each. Questions 6 – 15 carries 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 correct oval (1, 2, 3 or 4) on the Optical
Answer Sheet.

1. The digit '9' in 978 012 is in the _____ place.

    1) hundreds
    2) thousands
    3) ten thousands
    4) hundred thousands

2. What is the value of 25 + 30 ÷ (10 - 5) x 2 ?

    1) 22
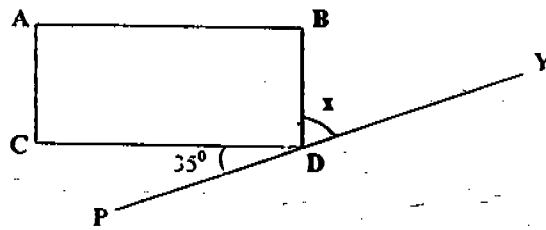   2) 28
    3) 37
    4) 66

3. 68 x 70 = _____

    1) 6 x 870
    2) 687 x 10
    3) 60 x 8 x 70
    4) 68 x 7 x 10

4. What is the missing number in the box?

    $$2\frac{3}{8} = 1\frac{?}{8}$$

    1) 6
    2) 9
    3) 11
    4) 19

5. In the diagram below, ABCD is a rectangle and PY is a straight line. Find ∠x.
    (The diagram is not drawn to scale).

1) 35°
2) 55°
3) 125°
4) 145°

6. What is the sum of 10 200 and 500 tens when rounded off to the nearest thousand?

1) 10 700
2) 11 000
3) 15 000
4) 15 200

7. Mrs Lee paid $49 for 2 skirts and 1 blouse. Each skirt cost 3 times as much as a blouse. How much did she pay for 1 skirt?

1) $7
2) $21
3) $28
4) $42

2

8. $\frac{1}{4}$ of the beads in a box is red. $\frac{1}{6}$ of the remainder are yellow beads and the rest are white beads. What fraction of the beads is white?

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

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

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

4) $\frac{5}{8}$

9. Mark bought 144 boxes of pears. There were 9 pears in each box. All the pears were repacked into bags for a sale. Each bag could hold a maximum of 11 pears. What was the minimum number of bags needed?

1) 117
2) 118
3) 119
4) 120

10. Mrs Lin bought some flour. She used $\frac{2}{5}$ of it to bake a cake. If she had 750g of flour left, how much flour did she buy?
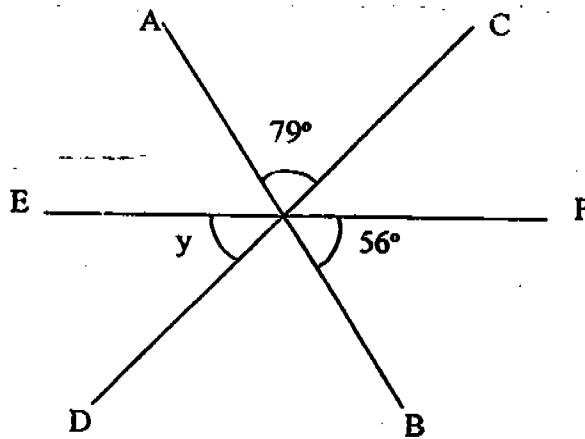
1) 250 g
2) 500 g
3) 1250 g
4) 1500 g

11. The ratio of Jasmine's age to her mother's age is 2 : 5. Jasmine is 30 years younger than her mother. How old is Jasmine?
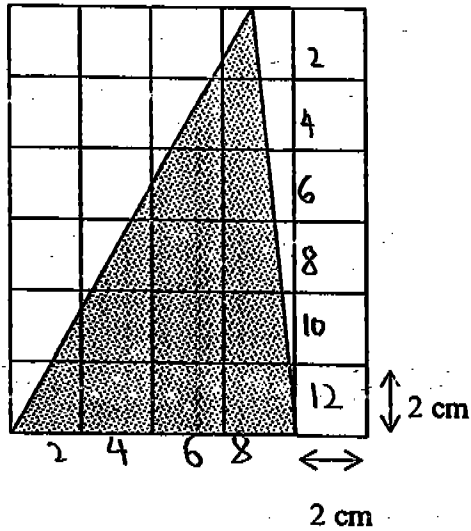
    1) 10
    2) 12
    3) 20
    4) 50

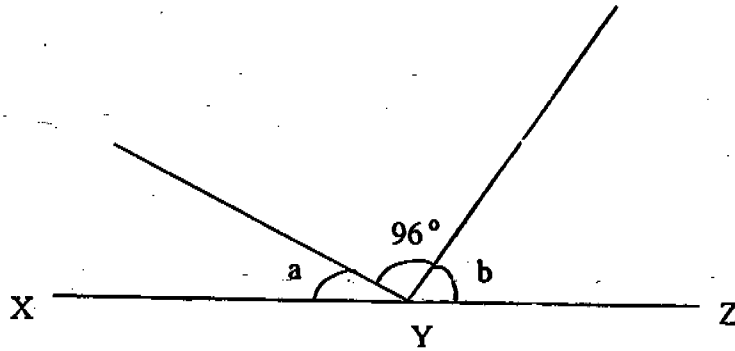12. In the diagram below, AB, CD and EF are straight lines. Find $\angle y$. (The diagram is not drawn to scale).

    1) 43°
    2) 45°
    3) 56°
    4) 79°

13. The following grid is made up of 2-cm squares. Find the area of the shaded triangle.

1) 12 cm^2
2) 24 cm^2
3) 48 cm^2
4) 96 cm^2

14. Tom and John shared 320 stickers in the ratio of 3 : 5. How much more stickers did John have than Tom?

1) 40
2) 80
3) 120
4) 200

15. In the diagram below, XYZ is a straight line. ∠ b is twice the size of ∠ a. Find ∠ a. (The diagram is not drawn to scale).

1) 21°
2) 28°
3) 56°
4) 84°

NAME : ___

CLASS : ___

DATE : ___

SUBJECT :

WRITE	SHADE OVALS

I N D E X   N U M B E R

⓪ ● ● ③ ● ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ● ● ③ ● ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ Ⓙ Ⓩ

EXAMPLE: IF YOU THINK THE 2ND OPTION IS THE CORRECT ANSWER SHADE THE OVAL ② LIKE THIS :

① ● ③ ④

1 ① ② ③ ●
2 ① ② ● ④
3 ① ② ③ ●
4 ① ② ● ④
5 ① ● ③ ④

6 ① ② ● ④
7 ① ● ③ ④
8 ① ② ③ ●
9 ① ● ③ ④
10 ① ② ● ④

11 ① ② ● ④
12 ① ● ③ ④
13 ① ② ● ④
14 ① ● ③ ④
15 ① ● ③ ④

16 ① ② ③ ④
17 ① ② ③ ④
18 ① ② ③ ④
19 ① ② ③ ④
20 ① ② ③ ④

21 ① ② ③ ④
22 ① ② ③ ④
23 ① ② ③ ④
24 ① ② ③ ④
25 ① ② ③ ④

26 ① ② ③ ④
27 ① ② ③ ④
28 ① ② ③ ④
29 ① ② ③ ④
30 ① ② ③ ④

31 ① ② ③ ④
32 ① ② ③ ④
33 ① ② ③ ④
34 ① ② ③ ④
35 ① ② ③ ④

36 ① ② ③ ④
37 ① ② ③ ④
38 ① ② ③ ④
39 ① ② ③ ④
40 ① ② ③ ④

41 ① ② ③ ④
42 ① ② ③ ④
43 ① ② ③ ④
44 ① ② ③ ④
45 ① ② ③ ④

46 ① ② ③ ④
47 ① ② ③ ④
48 ① ② ③ ④
49 ① ② ③ ④
50 ① ② ③ ④

51 ① ② ③ ④
52 ① ② ③ ④
53 ① ② ③ ④
54 ① ② ③ ④
55 ① ② ③ ④

56 ① ② ③ ④
57 ① ② ③ ④
58 ① ② ③ ④
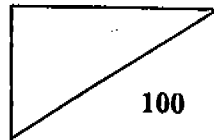59 ① ② ③ ④
60 ① ② ③ ④

SCORE :25/25

ANGLO-CHINESE SCHOOL
(PRIMARY)

MID-YEAR EXAMINATION 2004

MATHEMATICS

BOOKLET B

Name: _____)

Class: Primary 5 _____

Date: 13 May 2004

Duration of paper: 2 h 15 min

100

_____
Parent's Signature

Section	Maximum marks	Marks obtained
A	25	
B	20	
C	55	

THIS BOOKLET CONTAINS PAGE 7 TO 23.

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION B (20 MARKS)

Questions 16 to 35 carry 1 mark each. Write your answer in the space provided. Give your answers in the units stated.

16.   Complete the number pattern.

820, 830, 850, _____, 920,.......

Ans: _____

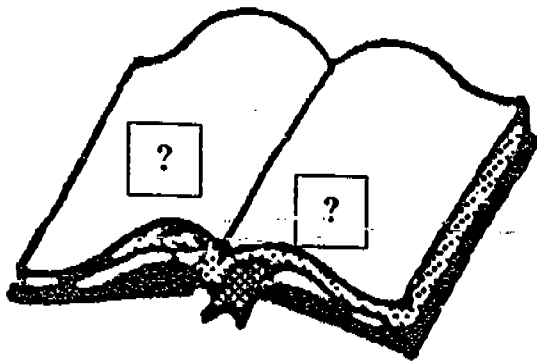17.   What is the remainder when 4 600 is divided by 15?

Ans: _____

18.   Mrs Tan gave $900 to Jenny and Shereen. Jenny received $50 more than Shereen. How much money did Shereen receive?

Ans: $ _____

19. You have opened a book. The sum of the numbers of the 2 pages facing each other is 67. Which pages of the book have you turned to?

Ans: Page_____ Page _____

20. The perimeter of a square is $\frac{5}{8}$ m. Find the length of each side in metres.

Ans: _____ _____ _m

21. What is the missing number in the box?

2 688 ÷ 42 = [?]

Ans: _____ _____

8

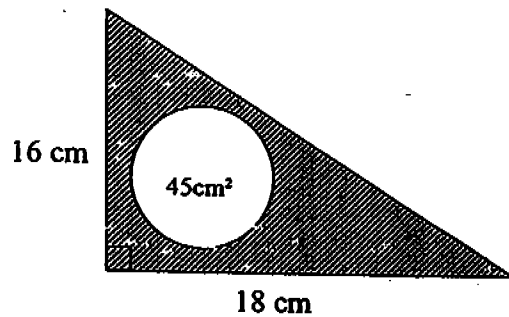22. Find the sum of $1\frac{1}{2}$ and $3\frac{1}{4}$.

Ans: _____

23. A number is multiplied by 5 and then added to 18. If the final answer is 318, what is the original number?

Ans: _____

24. 2 kg of prawns cost $24. Find the cost of $\frac{3}{4}$ kg of prawns.

Ans: $ _____

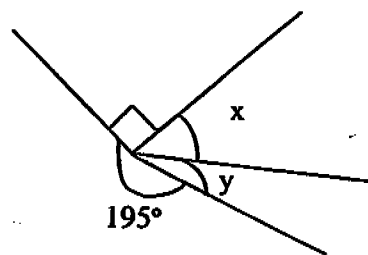25.   Find the area of the shaded part in the given figure.

16 cm

45cm²

18 cm

Ans: _____ cm²

26.   How many lines of symmetry does a square have?

Ans: _____

27.   In the diagram below, ∠x : ∠y = 2 : 1. Find the size of ∠x. (The diagram is not drawn to scale).
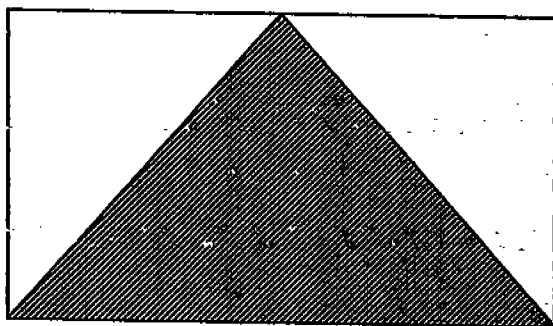
x

y

195°

Ans: _____ °

28. Express $3\frac{5}{12}$ h in minutes.

Ans: _____ _____ min

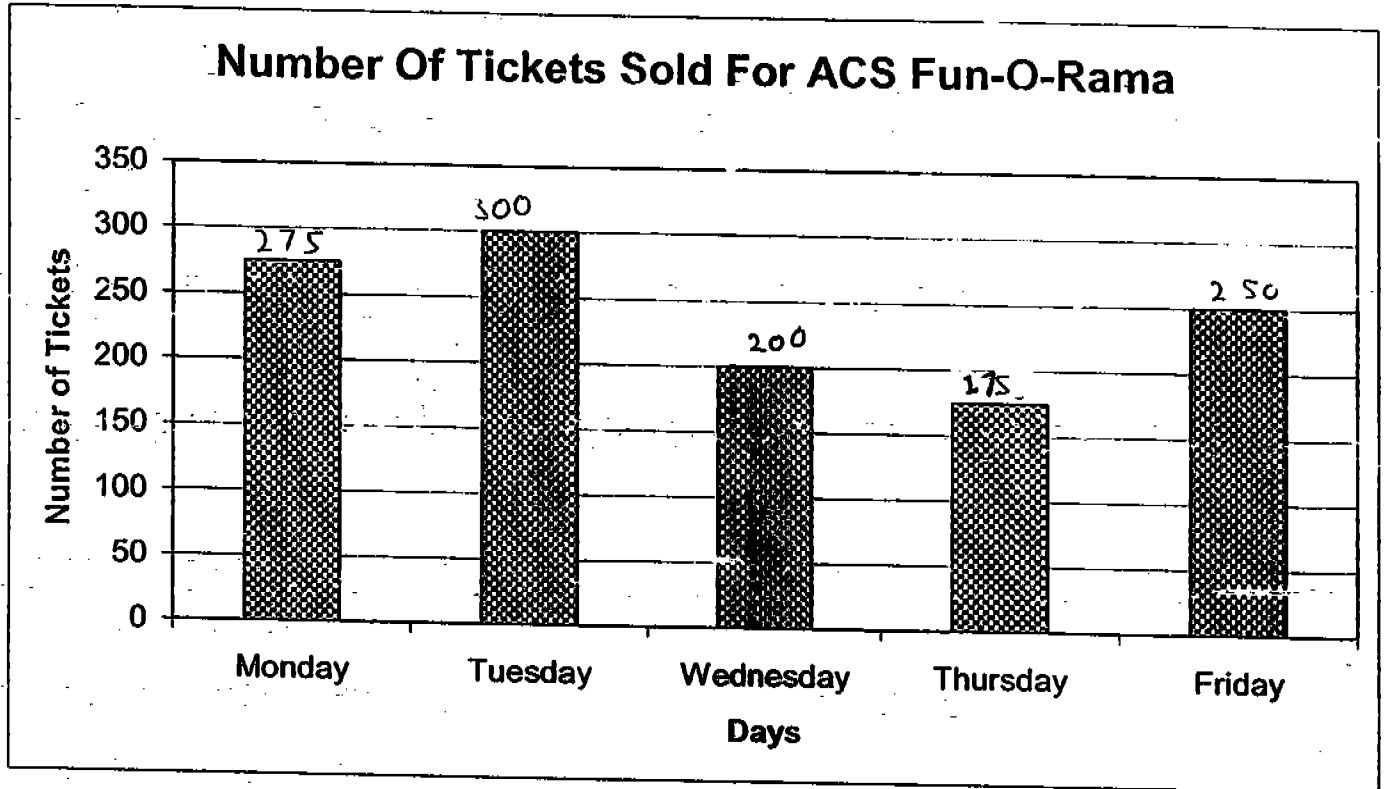29. The area of the rectangle is 140 m^2. Find the area of the shaded triangle.

Ans: ____ _____ m^2

30. The ratio of the number of boys to the number of girls in a school was 2 : 3. If there were 450 girls, how many students were there altogether?

Ans: __ _____

The bar graph below shows the number of tickets sold for ACS Fun-O-Rama. Use the data in the bar graph to answer Questions 31 and 32.

Number Of Tickets Sold For ACS Fun-O-Rama

Bar graph with "Number of Tickets" (0 to 350) on the y-axis and "Days" on the x-axis.
- Monday: 275
- Tuesday: 300
- Wednesday: 200
- Thursday: 175
- Friday: 250

31.   What was the total number of tickets sold over 5 days?

Ans: _____ _____

32.   What is the difference between the number of tickets sold on Tuesday and the number of tickets sold on Thursday?

Ans: _____ _____

33. A long piece of wire is cut into 3 sections in the ratio of 1 : 2 : 3. If the shortest piece of wire is 3 m long, find the total length of the wire.

Ans: _____ _____ m

34. There were $3\frac{5}{8}$ pizzas on the table. After dinner, there were $1\frac{3}{4}$ pizzas left. How many pizzas were eaten?

Ans: _____ _____

35. Find the sum of first three multiples of 8.

Ans: _____ _____

SECTION C (55 MARKS)

For each question from 36 to 50, show your working and mathematical statements clearly in the space below it. Write your answer in the answer space provided. The number of marks available is shown in the brackets [ ] at the end of each question or part question.

36.   The perimeter of the triangle is 30 cm. Find the area of the triangle.

13 cm

12 cm
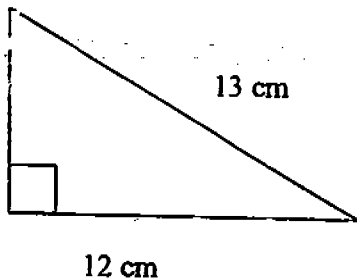
Ans: _____ _____ [2]

37.   10 children lined up in a row. They were spaced out equally. The distance between the first child and the sixth child was 300 cm. What was the distance between the first child and last child?

Ans: _____ _____ [2]

38.   In the diagram below, AOB and COD are straight lines.
        ∠ DOE is a right angle. Find ∠ AOD. (The diagram is not drawn to scale).
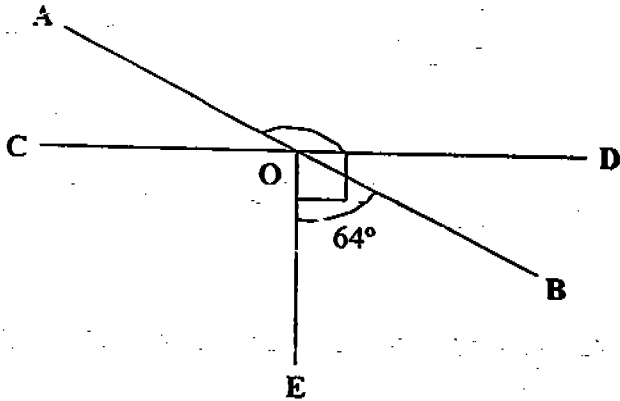
Ans: _____ [2]

39.   Peter and Ali each had the same number of sweets. Peter ate 44 of his sweets and Ali ate 20 of his sweets. Ali then had 7 times as many sweets as Peter. How many sweets had Peter at first?

Ans: _____ [3]

40.   The ratio of Peter's money to Sam's money to Tim's money is 5 : 8 : 3. The total sum of Sam's money and Tim's money is $440. How much money must Sam give to Tim so that both of them will have equal amount of money?

Ans: _____ [3]

41.   Ah Geok went shopping with $200. She spent $\frac{3}{5}$ of her money on a pair of jeans and $\frac{1}{4}$ of her money on a wallet.

(a) What fraction of her money did she spend?
(b) How much money had she left?

Ans: (a) _____ [1]

(b) _____ [2]

42.   Mr Tan is 54 years old and Jane is 12 years old. In how many years' time will Mr Tan's age be twice the age of Jane?
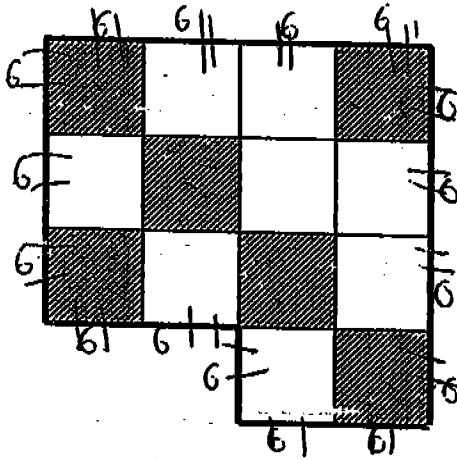
Ans: _____ [4]

43. Mr Tan bought a Hi-Fi set, a television set and a camera for $6400. The Hi-Fi set cost $320 less than the television. What was the cost of the television set if the camera cost $180?

Ans: _____ [4]

44. Kelvin has many basketballs, footballs and volleyballs in his room. The number of basketballs is $\frac{4}{7}$ of the total number of balls. There are 40 footballs and 20 volleyballs. What fraction of the balls are footballs?
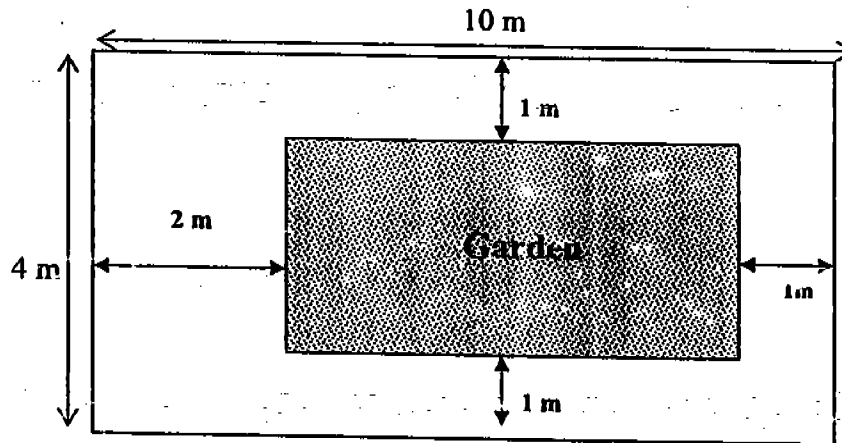
Ans: _____ [4]

45. The figure below is made up of by 14 identical squares. The <u>shaded</u> area is 216cm².
Find the perimeter of the figure.

Ans: _____ [4]

46.   It costs Mr Tan $25 per square metre to turf the path around his garden.
         If he has only $365, how much more money does he need?

|	10 m	
	1 m	
2 m	Garden	1 m
4 m		
	1 m	

Ans: _____ [4]

47. In a carpark, there are 16 cars and motorcycles. Altogether, 54 wheels are counted. How many cars are there in the carpark?
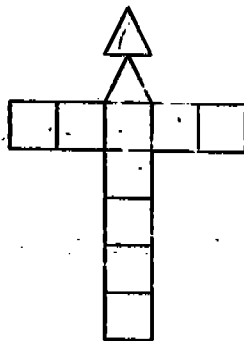
Ans: _____ · _____ [5]

48. Ah Boon spent $\frac{2}{7}$ of his money on 10 mangoes and 6 apples. The cost of a mango was 4 times as much as an apple. Then Ah Boon used the rest of the money to buy 3 more mangoes and some apples. How many apples did he buy altogether?
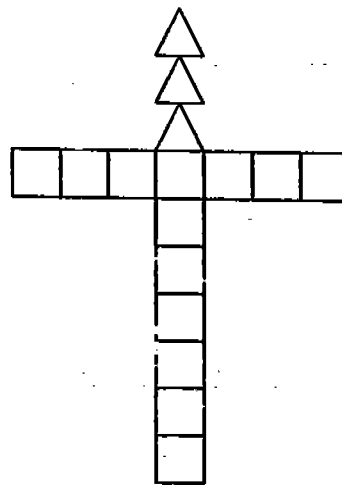
Ans: ___ · ___ [5]

49. Study the following patterns carefully.
Pattern 1 consists of 5 squares and 1 triangle.
Pattern 2 consists of 9 squares and 2 triangles.
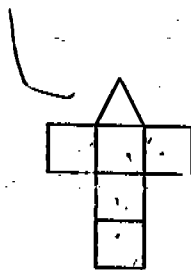
| Pattern 1 | Pattern 2 | Pattern 3 |

(a) How many triangles do we need to form Pattern 10?
(b) How many triangles do we need to form a pattern with 45 squares?
(c) How many more squares than triangles do we need to form Pattern 15?

Ans: a) _____ [1]

b) _____ [2]

c) _____ [2]

50.	Fengshan made some cakes. He sold $\frac{1}{4}$ of them in the morning and $\frac{5}{6}$ of the remainder in the afternoon. He sold 150 more cakes in the afternoon than in the morning. How many cakes did he make altogether?

Ans: _____ [5]

**********END OF PAPER**********

P5 ACS Primary (2004) SA1 Math

1) 4	9) 2	16) 880	23) 60	30) 750
2) 3	10) 3	17) 10	24) $9	31) 1200
3) 4	11) 3	18) $425	25) $99 cm^2$	32) 125
4) 3	12) 2	19) page 38, 34	26) 4	33) 18 m
5) 2	13) 3	20) $\frac{5}{32}$ m	27) 70^n	34) $1\frac{7}{8}$
6) 3	14) 2	21) 64	28) 205 min	35) 48
7) 2	15) 2	22) $4\frac{3}{4}$	29) $70 m^2$	36) $30 cm^3$
8) 4				

37) 540 cm

38) 154°

39) 48

40) $100

41) a) $\frac{11}{20}$

b) $30

42) 30

43) $3270

44) $2/7$

45) 96 cm

46) $285

47) 11

48) 109 apples

49) a) 10
   b) 11
   c) 46

50) 400 cakes.

THE END.