



CA1

AI TONG SCHOOL

2005

CONTINUAL ASSESSMENT 1

PRIMARY 6

MATHEMATICS

DURATION : 2 Hrs 15 Min

DATE: 1 March 2005

INSTRUCTIONS

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

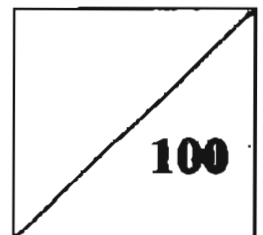
Follow all instructions.

Answer all questions.

Name : _____ ()

Class : Primary _____

Marks:



Parent's Signature : _____

Date : _____

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Booklet A

Questions 1 to 5 carry 1 mark each. Questions 6 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.
(25 marks)**

1. The approximate value of 4.125×309.8 is

- 1) 12
- 2) 120
- 3) 1 200
- 4) 12 000

2. Express 75 ml as a fraction of 1 l.

- 1) $\frac{3}{40}$
- 2) $\frac{3}{20}$
- 3) $\frac{3}{8}$
- 4) $\frac{3}{4}$

3. 6 ones, 8 tenths and 9 thousandths is

- 1) 0.689
- 2) 6.089
- 3) 6.809
- 4) 6.890

4. The floor area of a bedroom, the living room and the garden are in the ratio 4:5:9. If the floor area of the bedroom is 36m^2 , what is the floor area of the garden?

- 1) 9 m^2
- 2) 45 m^2
- 3) 81 m^2
- 4) 162 m^2

5. 5 % of a number is 40. What is the number?

- 1) 2
- 2) 8
- 3) 200
- 4) 800

6. The table shows the average age of 4 girls. Whose age is nearest to the average age of the 4 girls?

Names	Age
Agnes	13 years
Betty	14 years
Candy	15 years
Debbie	17 years

- 1) Agnes
- 2) Betty
- 3) Candy
- 4) Debbie

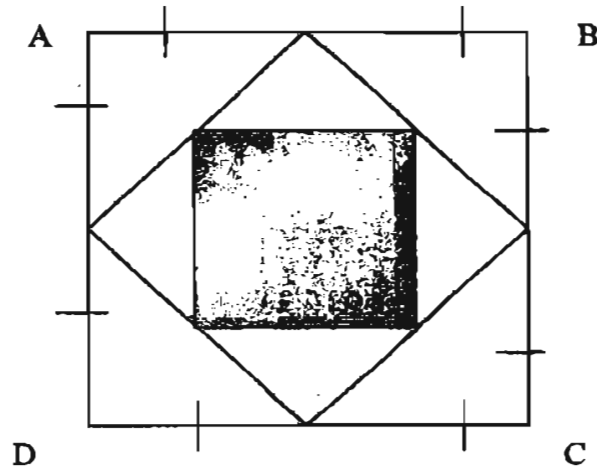
7. Mingwei has 36 marbles. His brother has 12 marbles fewer than he. Express the number of Mingwei's marbles as a ratio of his brother's.

- 1) 2 : 3
- 2) 3 : 2
- 3) 3 : 4
- 4) 3 : 1

8. Alan can type 35 words in one minute. How long would he take to type 3 150 words?

- 1) 1 hour
- 2) 1 hour 18 min
- 3) 1 hour 30 min
- 4) 1 hour 54 min

9. A shopkeeper had 13.6 kg of sugar. He sold $\frac{1}{4}$ of it and repacked the rest into 5 equal packets. What is the weight of each packet?
- 1) 0.68 kg
 - 2) 2.04 kg
 - 3) 2.4 kg
 - 4) 3.4 kg
10. Jeremy has 96 marbles. Jack has 14 and John has 40. If they share the marbles in the ratio 2 : 3 : 1 respectively, how many marbles must Jeremy give away?
- 1) 25
 - 2) 46
 - 3) 50
 - 4) 75
11. The average height of 20 boys and 10 girls is 1.6m. The average height of the boys is 1.68m, what is the average height of the girls?
- 1) 1.44 m
 - 2) 1.52 m
 - 3) 1.56 m
 - 4) 1.64 m
12. Mr Wong divided a sum of money into 2 shares in the ratio 3 : 2 to be given to his wife and mother respectively. His wife then gave the money she got to John and Mary in the ratio 3 : 1 respectively. If Mary got \$540, what was the original sum of money?
- 1) \$1 080
 - 2) \$2 700
 - 3) \$3 600
 - 4) \$4 800
13. Thomas spends 30% of his money on a leather belt and 60% of the remainder on a shirt. What percentage of his money is left?
- 1) 10 %
 - 2) 28 %
 - 3) 42%
 - 4) 58%
14. The selling price of a watch at a shop was \$80. After selling the watch at a discount of 25%, the shop owner still made a profit of 25%. What was the cost price of the watch?
- 1) \$30
 - 2) \$40
 - 3) \$60
 - 4) \$48



15. The diagram above shows 3 squares, one within another. What fraction of the square ABCD is shaded?

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

Name: _____ ()

Class: Primary 6 ()

Booklet B

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

(20 marks)

16. $\frac{3}{4} \times 2500 = \square \times 25$. What is the missing number in the box ?

Answer: _____

17. Find the value of $25 + (13 \times 2) - 16 \div 4 =$ _____

Answer: _____

18. If $9.018 = \frac{8}{1000} + 9 + \square$, the missing number in the box is _____

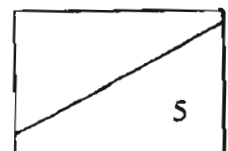
Answer: _____

19. A bag of sugar weighs $1\frac{1}{2}$ times as much as a bag of flour. Their average weight is 25 kg. What is the weight of the bag of sugar?

Answer: _____ kg

20. A shopkeeper sold skirts and blouses. The number of skirts was $\frac{1}{3}$ the number of blouses he had. He sold $\frac{1}{2}$ of his blouses and all the skirts. What fraction of the clothes did he sell?

Answer: _____



21. Mrs Wong bought 3.5 kg of oil. She used 0.28 kg of oil a day for 9 days. How many kilograms of oil had she left after 9 days?

Answer: _____ kg

22. Mary had \$2 400. She spent $\frac{2}{5}$ of her money on a new television set and $\frac{1}{4}$ of the remainder on a coffee table. How much money had she left?

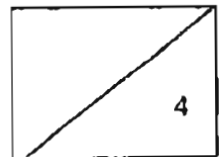
Answer: \$ _____

23. What must be added to $1\frac{1}{3}$ to get $1\frac{1}{2}$?

Answer: _____

24. In a walkathon, when Mohan walked $\frac{3}{5}$ of the distance, Ali walked only $\frac{1}{5}$ of it. At that point they were 3.5 km apart. What was the distance of the walkathon?

Answer: _____ km



25. Mr Ling's salary is \$1 680. $\frac{3}{5}$ of it is spent every month. Of the money spent, $\frac{1}{3}$ of it is spent on food. What fraction of his salary is spent on food?

Answer: _____

26. The ratio of the length of the rectangle to its breadth is 7 : 4. If the breadth is 28 cm, find its length

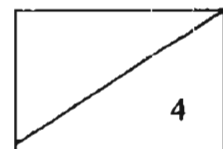
Answer: _____ cm

27. The area of a picture is 225 cm². Its background is painted yellow and orange in the ratio 2 : 1. What is the area of the yellow part?

Answer: _____ cm²

28. 2 girls share some sweets in the ratio 5 : 7. If the girl with the larger share gives the other 5 sweets, both of them will have the same number of sweets. How many sweets do they both have altogether?

Answer: _____



29. The ratio of Tony's comics to Jerry's comics is 4 : 3. The ratio of Tony's comics to Kenny's comics is 5 : 2. Find the ratio of Jerry's comics to Kenny's comics.

Answer: _____

30. Jane has \$450. She saves $\frac{1}{9}$ of it and gives the rest to her mother and brother in the ratio 4 : 1 respectively. How much money did her mother receive?

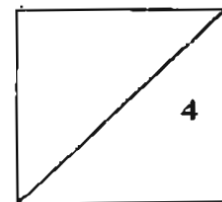
Answer: \$ _____

31. Express 3.6 kg as a percentage of 30 kg.

Answer: _____

32. The cost price of a watch is \$60. It is sold for \$87. What is the profit in terms of percentage?

Answer: _____ %



33. 20% of the pupils in the TAF Club are girls. If there are 45 girls in the TAF Club, how many boys are there in the TAF Club?

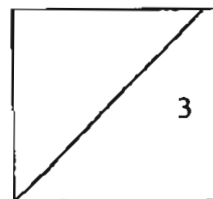
Answer: _____ boys

34. The usual price of a mattress was \$280. It was sold for \$238. Express the discount as a percentage of the usual price.

Answer: _____ %

35. Mrs Cheng paid \$144 for 6 boxes of mooncakes. This was the price she paid after getting a discount of 20%. What was the original price of one box of mooncakes?

Answer: \$ _____



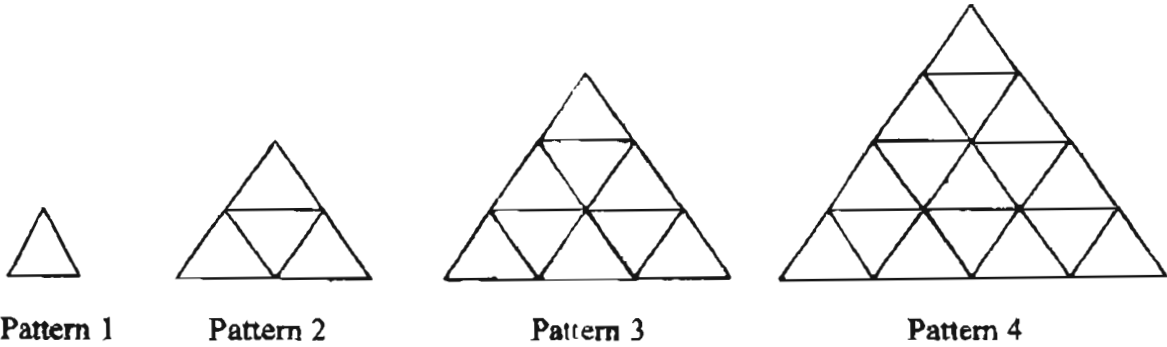
Section C

For questions 36 to 50, show your working clearly in the spaces below each question and write your answers in the spaces provided.

The number of marks available is shown in brackets () at the end of each question or part-question.

(55 marks)

36.

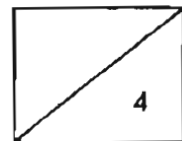


How many small triangles will there be in Pattern 13?

Ans: _____ (2m)

37. **A machine can make 45 cream puffs in 10min. How many cream puffs can 2 such machines make in 1h?**

Ans: _____ (2m)

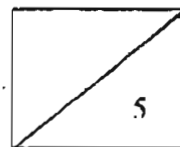


38. The ratio of the length to the breadth of a rectangle is 3 : 2. If its perimeter is 25cm, what is the area of the rectangle?

Ans: _____ (2m)

39. Find the sum of $1 + 2 + 3 + 4 + \dots + 996 + 997 + 998 + 999$.

Ans: _____ (3m)

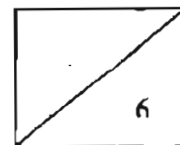


40. There are 420 children at a party. There are 240 boys and the rest are girls. How many per cent more boys than girls are there?

Ans: _____ (3m)

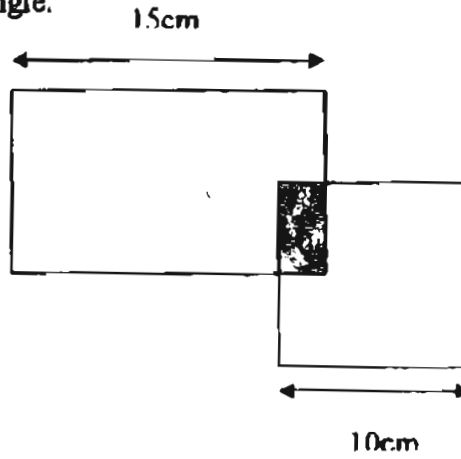
41. Andrea spent $\frac{3}{8}$ of her money on curry puffs and 40% of her remaining money on 24 packets of drinks. If 4 packet drinks cost as much as 3 curry puffs, how many curry puffs did she buy?

Ans: _____ (3m)



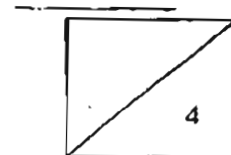
42. The figure is made up of a rectangle and a square. The ratio of the shaded area of the square to the unshaded area of the square is 1 : 9. The ratio of the area of the rectangle to the shaded area of the rectangle is 15 : 1.

- (a) Find the shaded area of the square.
 (b) Find the breadth of the rectangle.



Ans: (a) _____ (2m)

(b) _____ (2m)

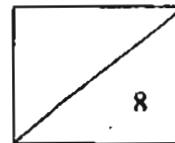


43. The ratio of Alex's money to Joanne's money to Molly's money is 6 : 5 : 4. If Alex gives Joanne \$6 and Joanne gives Molly \$4 and Molly gives Alex \$2, the ratio becomes 16 : 16 : 13. What is the total amount of money?

Ans: _____ (4m)

44. A blouse and a skirt cost \$55. A blouse and a coat cost \$120. Carmen bought 5 blouses, 3 skirts and a coat for \$305. How much is a blouse?

Ans: _____ (4m)

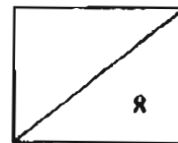


45. When a box was $\frac{1}{4}$ full of nails, its weight was 12kg. When it was full of nails, its weight was 36kg. What was the weight of the box?

Ans: _____ (4m)

46. Yi Xuan spent $\frac{1}{5}$ of his money on clothes. He then spent $\frac{3}{8}$ of the remainder on food. He spent \$100 on transport and had \$850 left. What fraction of his money did he spend on transport?

Ans: _____ (4m)

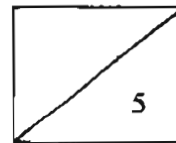


47. A carp cost \$12. A goldfish cost 75% less than a carp. Ramli bought some carps and goldfish for \$198. 60% of the fish he bought were goldfish.
- (a) How many carps did he buy?
 - (b) How many goldfish did he buy?
 - (c) How much more money did he spend on the carps than goldfish?

Ans: (a) _____ (2m)

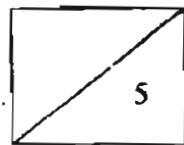
(b) _____ (1m)

(c) _____ (2m)



48. Nelson had 40% less money than Kai Lin. Maria had 20% more than the amount Nelson had. Maria spent 50% of her money on clothes and found that the amount she had left was \$300 less than Nelson's. How much did Kai Lin have?

Ans: _____ (5m)

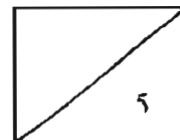


49. Sarah sells boxes of chocolates in her shop. The table shows the cost of each box of chocolates.

Belgium Chocolates	\$15
Australia Chocolates	\$8
Hawaii Chocolates	\$12

The number of Belgium chocolates sold to the number of Australia chocolates sold to the number of Hawaii chocolates sold was $1 : 3 : 4$. In total, she sold $\frac{1}{4}$ of the boxes of chocolates and earned \$1044. How many boxes of chocolates did she have at first?

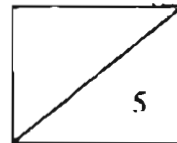
Ans: _____ (5m)



50. 4 girls and 2 boys sold 1200 tickets at a fun fair. The 2 boys sold twice as many tickets as the 4 girls. If one of the boys sold 3 times as many tickets as the other boy,
- (a) how many tickets did each girl sell if the girls sold an equal number of tickets?
- (b) how many tickets were sold by the boy who had sold more?

Ans: (a) _____ (3m)

(b) _____ (2m)



End of Paper

AI TONG SCHOOL
2005 CONTINUAL ASSESSMENT 1
PRIMARY 6
MATHEMATICS

- 1) 3 28) 60
2) 1 29) 15 : 8
3) 3 30) 320
4) 3 31) 12%
5) 4 32) 45
6) 3 33) 180
7) 2 34) 15
8) 3 35) \$ 30
9) 2 36) 169
10) 2 37) 540
11) 1 38) 37.5 cm²
12) 3 39) 499500
13) 2 40) 33 1/3%
14) 4 41) 27
15) 4 42) a) 10 cm² b) 10 cm
16) 75 43) \$ 90
17) 47 44) \$ 20
18) 1/100 45) 4 kg
19) 30 kg 46) 1/19
20) 5/8 47) a) 12 b) 18 c) \$ 90
21) 0.98 kg 48) \$ 1250
22) 1080 49) 384
23) 1/6 50) a) 100 b) 600
24) 7.5
25) 1/5
26) 49
27) 150