

CA 2

**NANYANG PRIMARY SCHOOL**  
**SECOND CONTINUAL ASSESSMENT 2004**  
**MATHEMATICS**  
**PRIMARY FIVE**

Name: \_\_\_\_\_ ( )  
Class: Primary 5 ( )  
Duration: 2 h 15 min

Marks : \_\_\_\_\_ /100  
Parent's Signature \_\_\_\_\_

**Section A**

Questions 1 to 5 carry one mark each. Questions 6 to 15 carry two 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.

(Total: 25 marks)

1. Which one of the following has a value closest to  $1.000 \times 0.396$ ?

- (1) 400  
(3) 39

- (2) 40  
(4) 4

2.  $35.016 = 35 + \frac{2}{\square}$

The missing number in the box is \_\_\_\_\_.

- (1) 125  
(3) 500

- (2) 250  
(4) 1 000

3. The sum of  $15\frac{1}{4}$  and 4.4 when rounded off to the nearest tenth is \_\_\_\_\_.

(1) 19.6

(2) 19.65

(3) 19.7

(4) 20.0

4. What is 0.06 as a percentage?

(1) 0.0006%

(2) 0.006%

(3) 0.6%

(4) 6%

5. The total weight of 5 boxes is 8 kg. Their average weight is \_\_\_\_\_.

(1) 40 kg

(2) 13 kg

(3) 3 kg

(4) 1 kg 600g

6. Danny spent  $\frac{3}{4}$  of his money on 15 erasers and 12 pens. If a pen cost 2 times as much as an eraser, how many erasers could he buy with the rest of the money?

(1) 7

(2) 9

(3) 13

(4) 18

7. A duck is  $\frac{5}{6}$  as heavy as a goose. A chicken is  $\frac{3}{4}$  as heavy as the duck. What is the ratio of the weight of the goose to the weight of the chicken?

(1) 5 : 8

(2) 8 : 5

(3) 3 : 2

(4) 2 : 3

8. In a Mathematics test, Minghua had 3 out of 20 sums wrong. What percentage of the sums was correct?

(1) 15%

(2) 30%

(3) 70%

(4) 85%

9. Express 0.09 km in centimetres.

(1) 90 cm

(2) 900 cm

(3) 9 000 cm

(4) 90 000 cm

10. The value of  $200 - (52 - 24 \times \frac{1}{4}) \times 4$  is \_\_\_\_\_.

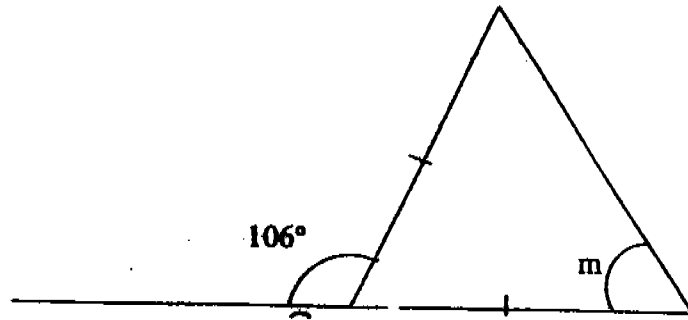
(1) 16

(2) 172

(3) 616

(4) 772

11. The figure below is not drawn to scale. Find  $\angle m$ .



- (1)  $37^\circ$                       (2)  $53^\circ$   
(3)  $60^\circ$                       (4)  $74^\circ$

12. Find the value of  $\frac{1}{2} + \frac{1}{4} \div 5$ .

- (1)  $\frac{3}{20}$                       (2)  $\frac{11}{20}$   
(3)  $1\frac{3}{10}$                       (4)  $1\frac{3}{4}$

13.  $\frac{1}{3} \times \frac{2}{3} = 2 \times \underline{\hspace{2cm}}$

- (1)  $\frac{1}{9}$                       (2)  $\frac{1}{6}$   
(3)  $\frac{1}{3}$                       (4)  $9$

14. After losing 20% of his marbles, Patrick had 160 marbles left. How many marbles did he have at first?

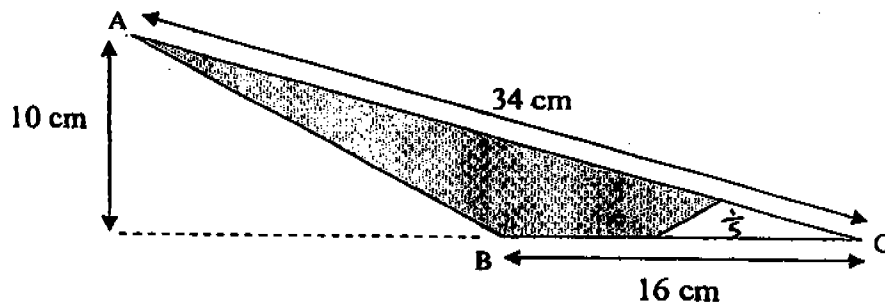
(1) 200

(2) 400

(3) 600

(4) 800

15.  $\frac{1}{5}$  of the area of triangle ABC is unshaded. Find the shaded area.



(1)  $64 \text{ cm}^2$   
(3)  $140 \text{ cm}^2$

(2)  $80 \text{ cm}^2$   
(4)  $224 \text{ cm}^2$

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Section B

Questions 16 to 35 carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated. (Total: 20 marks)

16. I am a number. If you divide me by 7 and then subtract 18, you will get 2. What number am I?

Answer: \_\_\_\_\_

17. Lucy had the same number of storybooks as Sharon. After giving 8 storybooks to Annie and 3 storybooks to Sharon, Lucy had 31 storybooks left. How many storybooks would Sharon have now?

Answer: \_\_\_\_\_

18. Mrs Lee has \$172. What is the maximum number of watches she can buy if each watch costs \$42?

Answer: \_\_\_\_\_

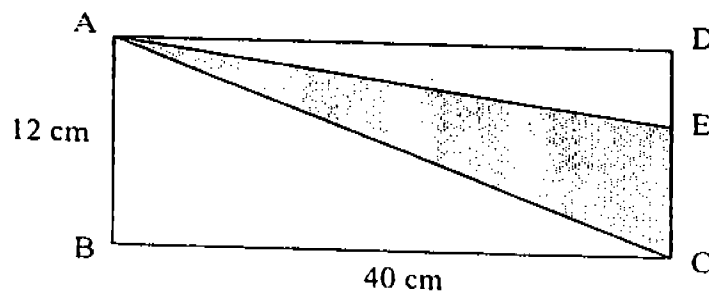
19.  $\frac{5}{9}$  of a group of children are girls.  $\frac{1}{2}$  of the boys wear glasses. What fraction of the children are boys who do not wear glasses?

Answer: \_\_\_\_\_

20. Given that  $48 \times 20 = 960$ , then  $48.2 \times 20 = 960 + \square$ .  
The missing number in the box is \_\_\_\_\_.

Answer: \_\_\_\_\_

21. In rectangle ABCD, the length of CE is twice the length of ED. Find the shaded area.



Answer: \_\_\_\_\_  $\text{cm}^2$

22. Mrs Ramli bought 400 g of pork and 2 kg of beef. Express the weight of the pork as a percentage of the weight of the beef.

Answer: \_\_\_\_\_ %

23. The ratio of Cheryl's money to Serene's money was 2 : 5 at first. After Serene spent \$45, the ratio became 5 : 8. How much money did Serene have at first?

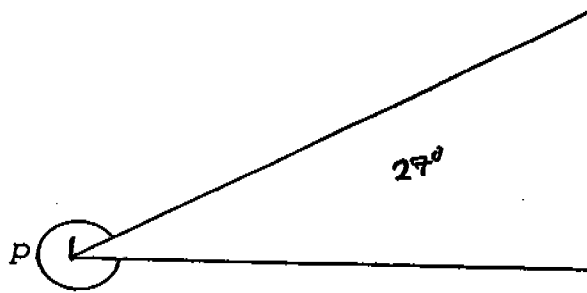
Answer: \$ \_\_\_\_\_

24. May Ling sold  $\frac{3}{5}$  of the pies she made and shared the rest equally with 3 other friends. What fraction of the pies did May Ling receive? (Give your answer in its simplest form).

Answer: \_\_\_\_\_



25. Using a protractor, find the size of  $\angle p$ .



Answer: \_\_\_\_\_ °

26. Ahmad took 1 h 12 min to complete his homework while Siti took 92 min to complete hers. What was the average time spent on their homework?

Answer: \_\_\_\_\_ min

27.  $16 : 96 = 3 : \square$

What is the missing number in the box?

Answer: \_\_\_\_\_

28. In the multiplication sum below, each of the box represents the same number. What is the number?

$$\begin{array}{r}
 3 \square \\
 \times \square 6 \\
 \hline
 19\square \\
 + 640 \\
 \hline
 83\square
 \end{array}$$

Answer: \_\_\_\_\_

29. Jenny ate  $\frac{1}{5}$  of a cake. Her sister ate  $\frac{1}{6}$  of the same cake. What fraction of the cake did they eat altogether?

Answer: \_\_\_\_\_

30.  $40\% = \frac{\square}{20}$

What is the missing number in the box?

Answer: \_\_\_\_\_

31. There are a total of 240 red and blue beads in a box. If  $\frac{5}{8}$  are red, how many more red beads than blue beads are there in the box?

Answer: \_\_\_\_\_

32. Mrs Han spends 7% of a day cooking and 13% of a day cleaning the house. How many hours does she spend doing her household chores?

Answer: \_\_\_\_\_ hours

33. What is the missing number in the number pattern below?

2, 14, 38, 74, \_\_\_\_\_.

Answer: \_\_\_\_\_

34. The distance between Town A and Town B is  $2\frac{7}{8}$  km. If the distance between Town B and Town C is  $1\frac{1}{4}$  km, what is the distance between Town A and Town C?

Answer: \_\_\_\_\_ km

35. Bob is 15 kg heavier than Muthu but 6 kg lighter than Yusof. The average weight of the three boys is 48 kg. What is Bob's weight?

Answer: \_\_\_\_\_ kg

**Section C**

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

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

(Total: 55 marks)

36. There are 7 470 800 people in Country A. There are 4 200 500 fewer people in Country B than in Country A. 5 250 people migrated from Country B recently. How many people are there in Country B now?

Answer: \_\_\_\_\_ [2]

37. There are 20 tins of canned longans in a carton. Each tin weighs 0.3 kg. The empty box weighs 0.5 kg. What is the total weight of the box and the 20 tins of longans?

Answer: \_\_\_\_\_ [2]

38. Anna, Belinda and Celine shared some stickers in the ratio  $2 : 5 : 7$  respectively. If Celine received 325 more stickers than Anna, find the total number of stickers the three girls had.

Answer: \_

39. Mary made 2 l of fruit juice. She drank 200 ml of it and poured the rest equally into some glasses. If each glass contained 180 ml of juice, how many glasses did she use?

Answer:

40. The cost of 7 scarves and 8 dresses is \$258. If the average cost of a dress is \$6 more than the average cost of a scarf, find the average cost of a scarf.

Answer: \_\_\_\_\_ [3]

41. Shawn has a total of 283 Singapore and Malaysian stamps. If he sells half of the Malaysian stamps and buys another 56 Singapore stamps, he will have an equal number of Singapore and Malaysian stamps. How many stamps of each country does he have originally?

Answer: .

42. Kelly bought a television set at \$4 380. She paid a deposit of \$600 and decided to pay the remaining amount in 36 instalments.

a) How much did she have to pay for each instalment?

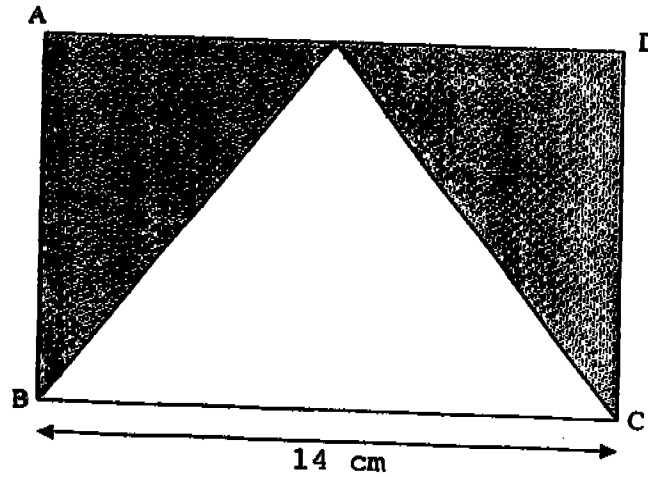
b) After having paid 3 instalments, she decided to pay the rest in 9 months. How much would she have to pay for each instalment then?

Answer: a) \_\_\_\_\_ [1]

b) \_\_\_\_\_ [3]



43. The perimeter of rectangle ABCD is 50 cm.

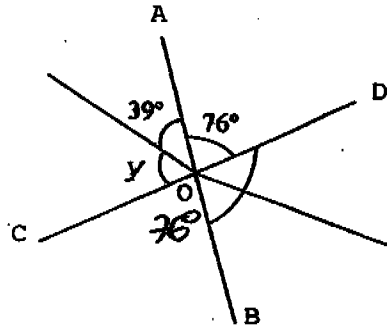


- a) Find the length of CD.  
b) Find the area of the shaded parts of rectangle ABCD.

Answer: a) \_\_\_\_\_ [2]  
b) \_\_\_\_\_ [2]

44. In the diagram below, not drawn to scale, AOB and COD are straight lines.

- a) Find  $\angle y$ .
- b) Find  $\angle BOD$ .



Answer: a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [2]

45. A story book cost \$2.70 more than a pen. A file cost  $\frac{1}{3}$  as much as the story book. If the total cost of the 3 items was \$17.60, find the cost of the story book.

Answer: \_\_\_\_\_ [4]

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46. The total number of beads in Box A and Box B was 45. Half of the beads in Box A were then transferred to Box B. The number of beads in Box B became 4 times the number of beads in Box A.
- a) How many beads were there in Box A originally?
  - b) What fraction of the beads was in Box B after the transfer?

Answer: a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [2]

47. Deming, Eng Hong and Faizal shared a sum of money. Deming received  $\frac{1}{3}$  of what Eng Hong received and Eng Hong received  $\frac{2}{5}$  of what Faizal received. If Deming received \$46, what was the sum of money shared among the three boys?

Answer: \_\_\_\_\_ [5]

48. In a survey that involved a group of 3000 people, 16% of them indicated that they exercised 2 or more times a week and twice as many people exercised twice a week. The ratio of people who exercised once a week to the number of people who did not exercise at all is 1 : 3.

- a) How many people did not exercise at all?
- b) How many people exercised at least twice a week?

Answer: a) \_\_\_\_\_

b) \_\_\_\_\_ [2]

49.  $\frac{1}{5}$  of the spectators at a football match were women.

The number of girls was  $\frac{2}{5}$  of the number of women.

The number of men was 7 times the number of girls.

The number of boys was 800 fewer than the number of men. How many spectators were at the football match?

Answer: a) \_\_\_\_\_ [3]

b) \_\_\_\_\_ [2]

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50. Daniel had a total of 60 guppies and swordtails in the ratio 7 : 3. An equal number of each type of fish was added. The ratio of the number of guppies to the number of swordtails became 7 : 4. How many fish of each type were added?

Answer: \_\_\_\_\_

☺ *End of Paper* ☺

**Please Check Carefully**

Setters: Mdm Denise Jung and Mr Azman

CA 2

NANYANG PRIMARY SCHOOL  
SECOND CONTINUAL ASSESSMENT 2004  
PRIMARY 5 MATHEMATICS

- |                   |                                       |
|-------------------|---------------------------------------|
| 1) 1              | 27) 18                                |
| 2) 1              | 28) 2                                 |
| 3) 3              | 29) 11/30                             |
| 4) 4              | 30) 8                                 |
| 5) 4              | 31) 60                                |
| 6) 3              | 32) 4 4/5                             |
| 7) 2              | 33) 122                               |
| 8) 4              | 34) 4 1/8                             |
| 9) 3              | 35) 51                                |
| 10) 1             | 36) 3, 265, 050                       |
| 11) 2             | 37) 6.5 kg                            |
| 12) 2             | 38) 910 stickers                      |
| 13) 1             | 39) 10 glasses                        |
| 14) 1             | 40) \$ 14                             |
| 15) 1             | 41) 57 Singapore stamps               |
| 16) 140           | 226 Malaysian stamps                  |
| 17) 45 storybooks | 42) a) \$ 105    b) \$ 385            |
| 18) 4             | 43) a) 11 cm    b) 77 cm <sup>2</sup> |
| 19) 2/9           | 44) a) 65°        b) 104°             |
| 20) 4             | 45) \$8.70                            |
| 21) 160           | 46) a) 18 beads    b) 36/45           |
| 22) 20            | 47) \$ 529                            |
| 23) 125           | 48) a) 1170 people    b) 1440 people  |
| 24) 1/10          | 49) 2000 spectators                   |
| 25) 333           | 50) 14 of each type                   |
| 26) 82            |                                       |