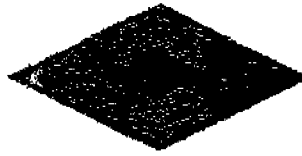


S27



NANYANG PRIMARY SCHOOL

**FIRST SEMESTRAL EXAMINATION
2004**

**PRIMARY 5
MATHEMATICS**

TIME: 2 HOUR 15 MINUTES

Section A	/ 25
Section B	/ 20
Section C	/ 55

Total:	/100
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Name: _____ ()

Class: Primary 5 ()

Parent's Signature: _____

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

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. Find the value of $28 + 20 \div (10 - 6) \times 3$

(1) 72

(2) 43

(3) 36

(4) 4

2. Andrew has 80 marbles. Ben has 4 times as many marbles as Andrew. How many marbles do they have altogether?

(1) 20

(2) 84

(3) 320

(4) 400

3. Find the product of 26×14 .

(1) 40

(2) 156

(3) 344

(4) 364

4. Divide 5 226 by 13.

(1) 40

(2) 42

(3) 402

(4) 420

5. Find the value of $3\frac{2}{3} + 2\frac{7}{9}$.

(1) $5\frac{1}{9}$

(2) $5\frac{4}{9}$

(3) $5\frac{3}{4}$

(4) $6\frac{4}{9}$

6. A barrel can hold 30 litres of oil. What is the volume of oil in the barrel when it is $\frac{2}{5}$ full?

(1) 6 l

(2) 12 l

(3) 18 l

(4) 24 l

7. Candy spent $\frac{1}{5}$ of her allowance on a book. She then spent $\frac{3}{8}$ of the remainder on a blouse. What fraction of her allowance did she spend on the blouse?

(1) $\frac{3}{40}$

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

(3) $\frac{17}{40}$

(4) $\frac{11}{20}$

8. A shopkeeper has $\frac{9}{10}$ kg of gummy bears. He repacks them equally into 18 smaller packets. What is the weight of each small packet of gummy bears?

(1) $\frac{1}{20}$ kg

(2) $\frac{1}{5}$ kg

(3) $16\frac{1}{5}$ kg

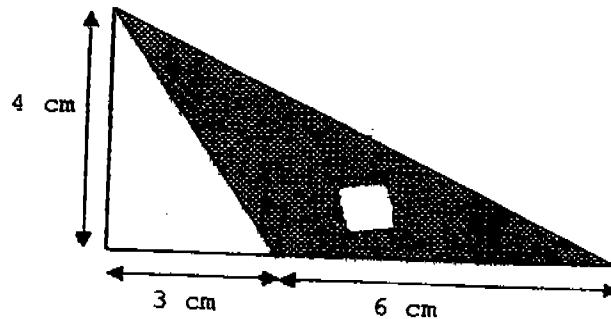
(4) $18\frac{9}{10}$ kg

9. The sum of a certain number and half of that number is 240. What is the number?

- (1) 60
(3) 120

- (2) 80
(4) 160

10. In the figure shown below, find the area of the shaded triangle.



- (1) 6 cm^2
(3) 18 cm^2

- (2) 12 cm^2
(4) 24 cm^2

11. Danny is 14 years old. His father is 26 years older than he. What is the ratio of Danny's age to his father's age?



- (1) 7 : 13
(3) 13 : 7



- (2) 7 : 20
(4) 20 : 7

12. Study the pattern shown below.



Which of the following is in the 27th position?

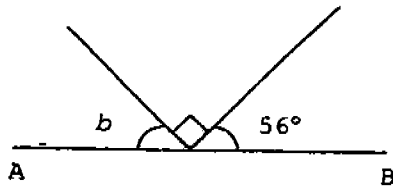
- (1) 
(3) 

- (2) 
(4) 

13. The length of the sides of a triangle are in the ratio 3 : 4 : 5. The length of the longest side is 25 cm. What is the length of the shortest side?

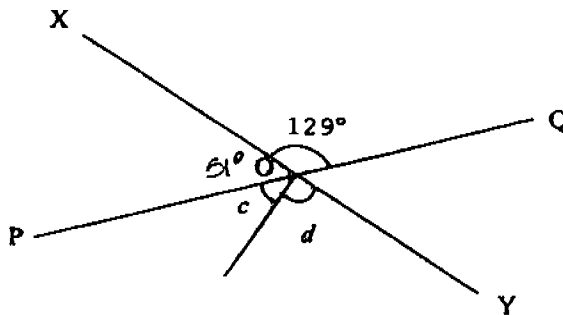
- (1) 12 cm (2) 15 cm
 (3) 20 cm (4) 36 cm

14. The diagram shown below is not drawn to scale. AB is a straight line. Find $\angle b$.



- (1) 34° (2) 44°
 (3) 90° (4) 124°

15. The diagram below is not drawn to scale. XOY and POQ are straight lines. $\angle XOQ = 129^\circ$. Find $\angle d$ if the size of $\angle d$ is twice the size of $\angle c$.



- (1) 17° (2) 51°
 (3) 86° (4) 43°

SA1 2004

Name: _____ () Class: Pr 5 ()

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. In the product of 15 and 38, which digit is in the tens place?

Answer: _____

17. What number is 3 less than 5 million?

Answer: _____

18. Round off 9 658 600 to the nearest ten thousand.

Answer: _____

19. What is the missing number in the box?

$$68 \times 50 = (\square) \times 50 + 26 \times 50$$

Answer: _____

20. What is the missing number in the box?

$$780 \div 2 = 39 \times \square$$

Answer: _____

21. What is the value of $400 - 32 \div 4 \times (25 + 15)$?

Answer: _____

22. Melody and Sulin have 1 060 stickers. Sulin has three times as many stickers as Melody. How many stickers does Melody have?

Answer: _____

23. Mr Lee bought 78 boxes of pencils. There were 24 pencils in each box. How many pencils did he buy altogether?

Answer: _____

24. Apples are sold at 5 for \$3. What is the maximum number of apples Mrs Sammy can buy with \$20?

Answer: _____

25. Kelly shares half a pizza with 3 friends. What fraction of the pizza did each person get?

Answer: _____

26. Danny spent $\frac{3}{5}$ of his money on books and $\frac{1}{4}$ of the remainder on a bag. What fraction of his money had he left?

Answer: _____

27. There were 80 oranges in a crate. $\frac{3}{16}$ of them were rotten. How many oranges were not rotten?

Answer: _____

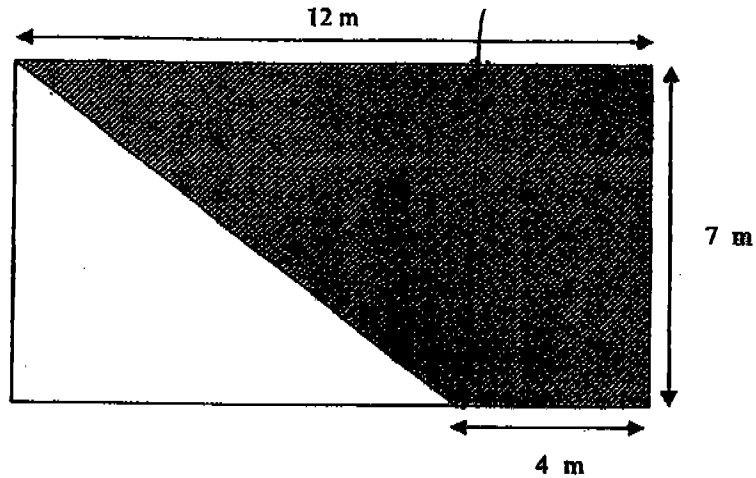
28. Sally used $\frac{7}{8}$ m of cloth to make 3 cushion covers. How much cloth did she use to make 1 cushion cover? Leave your answer as a fraction in its simplest form.

Answer: _____ m

29. A baker had 35 more apple tarts than blueberry tarts. He sold $\frac{1}{5}$ of the apple tarts and $\frac{2}{3}$ of the blueberry tarts. The number of apple tarts and blueberry tarts sold were the same. How many tarts did he sell altogether?

Answer: _____

30. In the figure below, find the shaded area.

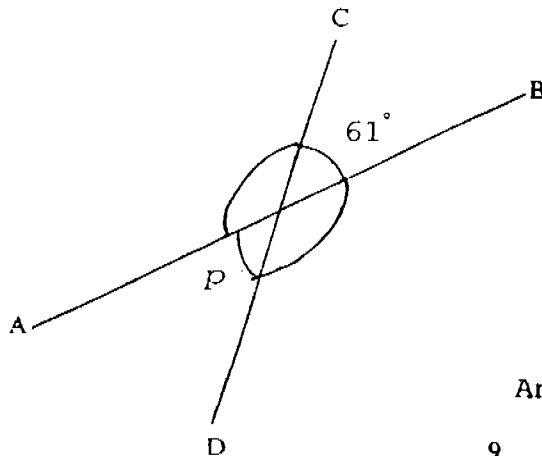


Answer: _____ m²

31. There are 42 pupils in a class and 25 of them are boys. Find the ratio of the number of girls to the number of boys.

Answer: _____

32. In the figure below, AB and CD are straight lines. Find $\angle p$.



Answer: _____ °

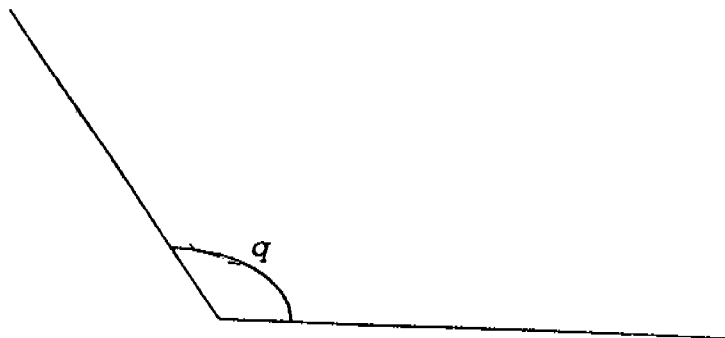
33. The length of a rectangle is three times its breadth. Find the ratio of the length of the rectangle to its perimeter.

Answer: _____

34. 60 litres of water are poured into 3 containers X, Y and Z in the ratio of 3 : 3 : 4 respectively. Find the volume of water in container Z.

Answer: _____ litres

35. Measure the following angle.



Answer: _____

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. Ming Lee has \$200 and Chin Lee has \$170. How much money must Ming Lee give Chin Lee so that each will have an equal amount of money?

Answer: _____ [2]

- 37 The perimeter of a square flower bed is $\left(\frac{5}{7}\right)$ m. Find the side of the flower bed in metres. (Leave your answer as a fraction in its simplest form)

Answer: _____ [2]

38. Swee Tin and Lay Bee shared \$175 in the ratio of 3 : 4. How much money did Lay Bee receive?

Answer: _____ [2]

39. Mickey and Dawn went to the shopping mall with the same amount of money. After Mickey spent \$250 and Dawn spent \$198, Dawn had 5 times as much money as Mickey. How much did each girl bring along to the shopping mall?

Answer: _____ [3]

40. Mrs Oh bought a piano for \$4 850. She made a downpayment of \$350 and paid the rest in 36 monthly instalments. How much did she have to pay each month?

Answer: _____ [3]

41. Linda used $3\frac{1}{10}$ m of cloth to make a piece of table cloth. Peggy used $1\frac{3}{5}$ m less than Linda to make pillow cases. What was the total length of cloth the two girls used?

Answer: _____ [3]

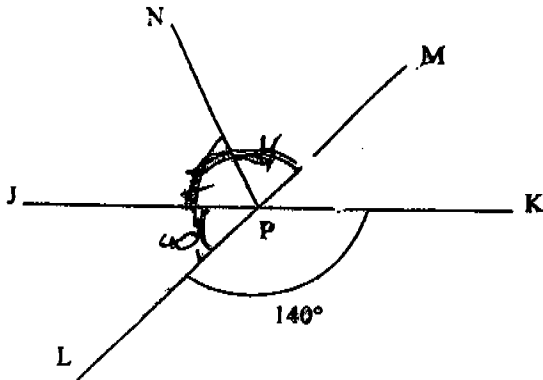
42. There were 60 rows of 60 seats in a theatre. During a performance, all the seats were occupied. 250 men were at the performance and the number of women was 11 times the number of men. The rest were children.

- (a) How many women were at the performance?
- (b) How many children were at the performance?

Answer: a) _____ [1]

b) _____ [3]

43. The figure below is not drawn to scale. JPK, LPM and PN are straight lines. $\angle MPN = \angle NPJ$. Find $\angle NPL$.



Answer: _____ [4]

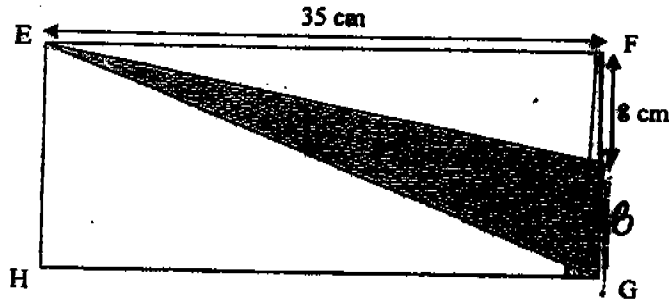
44. In an orchard, the ratio of the number of durian trees to the number of mango trees to the number of papaya trees is 9 : 4 : 7 respectively. There are 450 more durian trees than papaya trees.

- (a) How many papaya trees are there in the orchard?
 (b) What is the total number of durian and mango trees in the orchard?

Answer: a) _____ [2]

b) _____

45. The perimeter of rectangle EFGH is 102 cm. Find the area of the shaded triangle.



Answer: _____ [4]

46. Miss Gan bought some hairpins. $\frac{1}{5}$ of the hairpins were purple, $\frac{1}{3}$ were red and $\frac{1}{4}$ of the remainder were pink. If there were 19 pink hairpins, how many hairpins did she buy altogether?

Answer: _____ [4]

47. For every toy that Mrs Poh assembles, she earns \$2. A bonus of \$2 is given to her for every 15 toys that she assembles. How many toys must she assemble to earn \$648?

Answer: _____ [5]

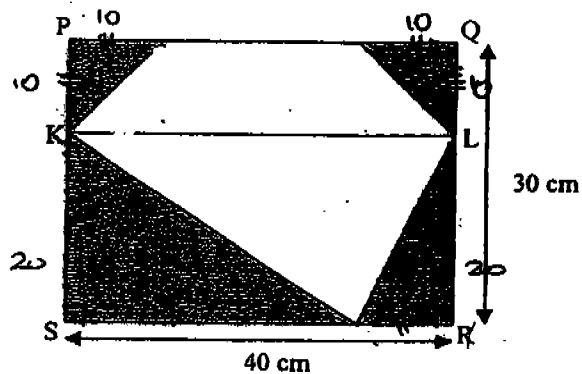
48. The spectators at a football match are made up of men, women and boys only. $\frac{2}{7}$ of them are women and the number of boys is $\frac{7}{8}$ the number of men. There are 385 more boys than women. What is the total number of spectators at the football match?

Answer: _____ [5]

49. Devi's age is $\frac{4}{9}$ her uncle's age. Her uncle will be 42 years old in 6 years' time. In how many years will Devi be $\frac{3}{5}$ her uncle's age?

Answer: _____ [5]

50. In the figure shown below, the ratio of the length of PK to the length of PS is 1 : 3, find the shaded area of the figure.



Answer: _____ [5]

☺ End of Paper ☺
Please Check Carefully

Setters: Mdm. June Chau
Mr. Chiang Hock Hai

NANYANG PRIMARY SCHOOL
FIRST SEMESTRAL EXAMINATION 2004
PRIMARY 5 MATHEMATICS

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- | | |
|-------------|--|
| 1) 2 | 27) 65 |
| 2) 4 | 28) $7/24$ |
| 3) 4 | 29) 20 |
| 4) 3 | 30) 56 |
| 5) 4 | 31) 17.25 |
| 6) 2 | 32) 61 |
| 7) 2 | 33) 3 : 8 |
| 8) 1 | 34) 24 |
| 9) 4 | 35) 125 |
| 10) 2 | 36) \$ 15 |
| 11) 2 | 37) $5/28$ m |
| 12) 3 | 38) \$ 100 |
| 13) 2 | 39) \$ 263 |
| 14) 1 | 40) \$ 125 |
| 15) 3 | 41) $4 \frac{3}{5}$ m |
| 16) 7 | 42) a) 2750 women b) 600 children |
| 17) 4999997 | 43) 110° |
| 18) 9650000 | 44) a) 1575 papaya trees
b) 2925 durian and mango trees |
| 19) 42 | 45) 140 cm^2 |
| 20) 10 | 46) 420 hairpins |
| 21) 80 | 47) 304 toys |
| 22) 265 | 48) 8285 spectators |
| 23) 1892 | 49) 14 years time |
| 24) 30 | 50) 500 cm^2 |
| 25) $1/8$ | |
| 26) $3/10$ | |