Name : _____(   )   Date: _____

Class : Primary 5 _____➔   Time : 2 h 15 min

SA2

SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL EXAMINATION

PRIMARY 5

MATHEMATICS

BOOKLET A

15 Questions

20 Marks

Total Time For Booklets A and B : 2 h 15 min

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Name : _____ (   )

Questions 1 to 10 carry 1 mark each. Questions 11 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.   (20 marks)

---

1.   Which one of the following is 10 less than one million?

      (1)   990 000   (3)   999 000
      (2)   990 900   (4)   999 990

2.   Which of the following numbers has the biggest value?

      (1)   1.020   (3)   1.200
      (2)   1.120   (4)   1.002

3. $\frac{2}{3} \div 9$ is the same as _____.

      (1) $\frac{2}{3} \times 9$ (3) $\frac{3}{2} \times 9$

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

4. $2\frac{2}{3}$ hours = _____ minutes.

      (1)   140   (3)   223
      (2)   160   (4)   240

1

5. In the figure below, the area of each square is 1 cm². Find the area of triangle CDF.

A ___ B
C
F
E ___ D

(1) 12 cm²   (3) 24 cm²
(2) 16 cm²   (4) 30 cm²

6. Express 8 kg 70 g in kg.

(1) 8.7 kg   (3) 8.07 kg
(2) 8.007 kg   (4) 870 kg

7. In the figure below, not drawn to scale, AOD is a straight line. Find $\angle x$.

A
B
61°
x
O
C
D

(1) 19°   (3) 31°
(2) 29°   (4) 41°

2

8.   The average of 19, 23 and 24 is _____.

    (1)   19   (3)   23
    (2)   22   (4)   33

9.   Jim and Jerry shared some money in the ratio of 5 : 8. If Jim received $45, how much did Jerry receive?

    (1) $9   (3) $72
    (2) $27   (4) $117

10. The figure below is made up of similar triangles. What percentage of the figure is **unshaded**?
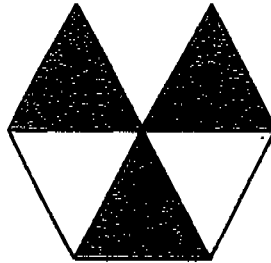
    (1)   20%   (3)   40%
    (2)   30%   (4)   60%

11. $\dfrac{3}{4} + 6\dfrac{3}{20} + \dfrac{3}{500} =$ _____

    (1)   0.696   (3)   6.906
    (2)   6.096   (4)   7.2

3

12. The total length of all the edges of a cube is 24 cm. What is its volume?

(1) 8 cm³   (3) 64 cm³
(2) 27 cm³   (4) 216 cm³

The graph below shows the mass of 5 children. Study it carefully and answer Questions 13 and 14.

13. How much heavier is Elsie than Cathy?

(1) 5 kg   (3) 3 kg
(2) 2 kg   (4) 4 kg

14. How many children are above the average mass?

(1) 5   (3) 3
(2) 2   (4) 4

15. The price of a dress was decreased by 20% to $160   What was the original price of the dress?

(1) $192   (3) $640
(2) $200   (4) $800

4

Name:_____(　　) Date:_____

Class: Primary 5   Time: 2 hr 15 min

_____

SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL EXAMINATION

PRIMARY 5

MATHEMATICS

BOOKLET B

33 Questions

80 Marks

Total Time For Booklets A and B : 2 hr 15 min

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Booklet B

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
Give your answers in the units stated.   (10 marks)

16.   What is the value of '4' in 12 469?

Ans: _____ _____

17.   94.05 kg when rounded off to 1 decimal place is _____

Ans: _____ kg

18.   What number is indicated by the arrow?

3.9   4.0   4.1

Ans: _____

19.   Amy started doing her homework at 3.30 pm and finished at 5.10 pm. How
long did she spend doing her homework?

Ans: _____ h

20.   A 1-litre can is $\frac{1}{4}$ filled with water. How much water must be added to fill
the can completely?

Ans: _____ ml

5
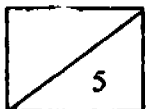
21. Express $\frac{206}{100}$ as a decimal.

Ans: _____

22. In the figure below, not drawn to scale, AB and CD are straight lines. What is the value of $\angle x$?
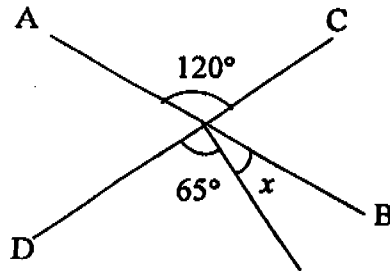
Ans: _____ °
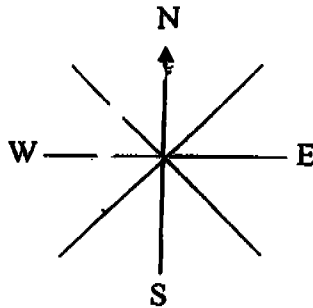
23. The diagram above shows the 8 points of a compass. After turning 135° clockwise, Wei Wei ends up facing north-east. What direction was she facing at the start?

Ans: _____

24. A machine can make 1000 loaves of bread in 5 minutes. The rate is _____ loaves of bread per minute.

Ans: _____

25. Express $\frac{16}{20}$ as a percentage.

Ans: _____ %

6

7
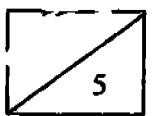
Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26. Evaluate $60 - 18 \div 6 \times (4 + 3)$.

Ans: _____ ___

27. The perimeter of a square field is 40 m. What is its area?

Ans: _____ ___m^2

28. Mrs Rajoo bought 2 blouses for $25.50 and 3 T-shirts at $7.50 each. How much did she pay altogether?

Ans: $_____ ___

29. A piece of rope is 3.5 m long. A piece of ribbon is $\frac{2}{5}$ the length of the rope. What is the length of the ribbon?

Ans: _____ _____.cm

8

7
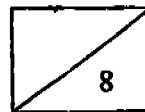
The pattern below in the box shows part of a tessellation. Refer to this box to answer Questions 30 and 31.
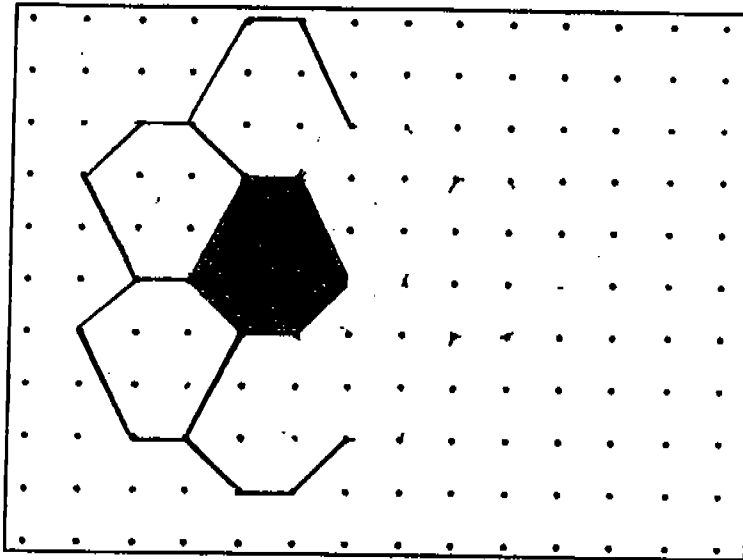
30. Colour the unit shape used in the tessellation.

31. Extend the tessellation in the space provided by adding another 4 units in the box.

The table below shows the rates of charges for hiring a bicycle. Refer to the table to answer Questions 32 and 33.

First hour	$3
Every additional hour	$2

32. Rachel hired a bicycle from 9.00 am to 1.00 pm. How much should she pay?

Ans: $_____

33. Four children paid $14 for hiring two bicycles. What was the average time spent cycling by each child?

Ans: _____ h

8

9
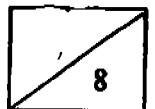
34. The ratio of the breadth of a rectangle to its length is 3 : 5. If its breadth is 4 cm shorter than its length, find its perimeter.

Ans: _____cm

35. A factory had 1 500 workers last year. This year, it has 1875 workers. Find the percentage increase in the number of workers.

Ans: _____%

4

9

10
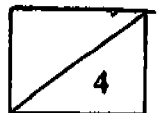
Name: _____ ( )
Class: Primary 5

Write your answers to questions 36 to 48 in the spaces provided. For each question, show your working clearly in the space below it.

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

36. 4 files and 2 writing pads cost $11. A file costs twice as much as a writing pad. Find the cost of 1 writing pad.

Ans: _____[3]

37. A tin weighs 4.6 kg when it is completely filled with water and weighs 2 kg when it is $\frac{1}{3}$ filled with water. What is the mass of the tin when it is empty?

Ans: _____[3]

6

10
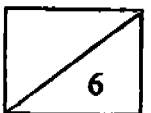
38. Three planks are 4.15m, $2\frac{3}{5}$ m and $1\frac{7}{20}$ m long. What will be the total length if the planks are placed end to end? Give your answer in metres.

Ans: _____[3]

39 Box A can hold twenty 4-cm cubes and Box B is $\frac{4}{5}$ as big as Box A. What is the volume of Box B?

Ans: _____[3]

6

11

/2
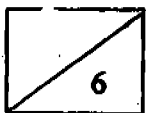
40. In the figure below, not drawn to scale, ACDE is a parallelogram. Find ∠ABE.

A   B   C

50°   70°

E   D
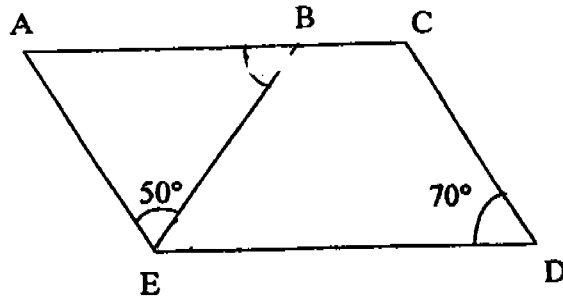
Ans: _ _____[3]

41. The ratio of Jiawen's savings to Bobby's savings is 1 : 5. The ratio of Bobby's savings to Lily's savings is 3 : 2. How much is their total savings if Jiawen saves $35 less than Lily?

Ans: _____[3]

6

13
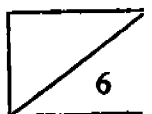
42. Abdullah and Kevin had a total of 104 marbles at first. Abdullah had more marbles than Kevin. Each boy gave away $\frac{1}{2}$ of their marbles. The difference between their remaining marbles was 34.

(a) What was the total number of the remaining marbles?
(b) How many marbles did Abdullah have at first?

Ans: (a)_____ [2]

(b)_____ [2]

4

13

The line graph below shows the daily sales of ice-cream cones by Mr Singam over one week. Study it carefully and answer Question 43.
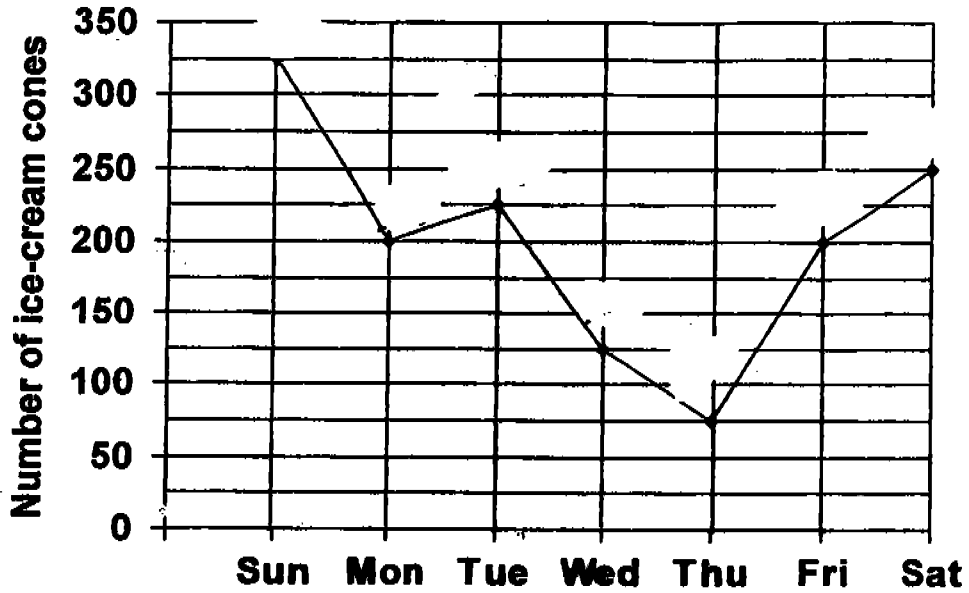
43. a) What was the percentage decrease in the sales from Wednesday to Thursday?

b) What was the average number of ice-cream cones sold each day?

Ans: a)_____[2]

b)_____[2]

14
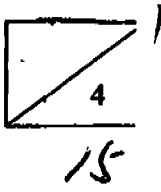
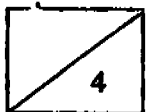44. In the figure below, not drawn to scale, ACDF is a trapezium and BDF is a right-angled triangle. Find ∠CBD.
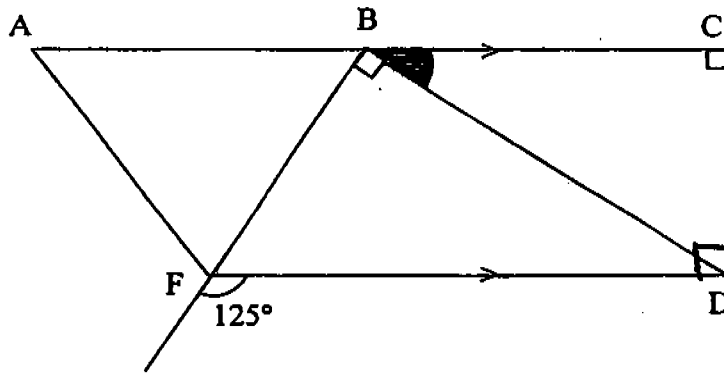
Ans: _____ [4]

45. Ali fills a rectangular tank measuring 12 cm long, 10 cm wide and 11 cm high completely with water. However, there is a crack at the base of the tank and water leaks out at the rate of 4 m*l* per second. After 2 minutes,
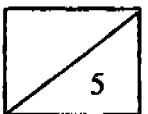
(a)   how much water has leaked out?
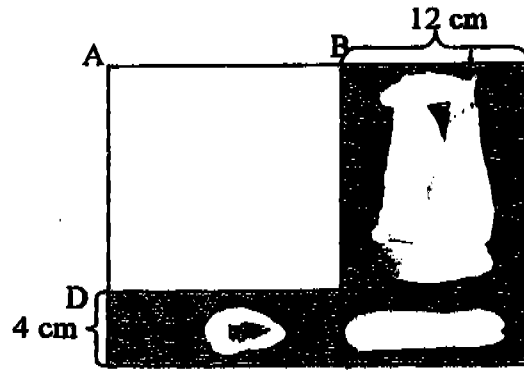(b)   what is the height of the water in the tank then?

11 cm

10 cm

12 cm

Ans: a)_____[2]

b)_____[3]

5

/7
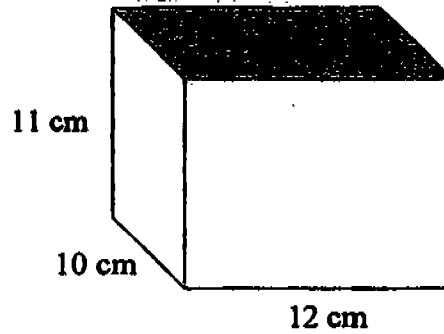
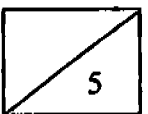46. In the figure below, ABCD is a square and the area of the shaded region is 288 cm².

(a) What is the length of AB?

(b) What is the ratio of the area of the shaded part to the area of the unshaded part?
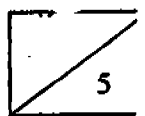
Ans: a)_____[3]

b)_____[2]

5

18

17

47. In a stationery shop, there were 24 more blue pens than red pens. $\frac{2}{3}$ of the

blue pens and $\frac{3}{4}$ of the red pens were sold. If the number of blue pens sold and the number of red pens sold were the same,

(a) how many blue pens were sold?
(b) what fraction of the total number of pens were blue pens?
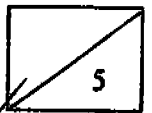
Ans: a)_____[2]

b)_____[3]

5

19

18

48. During a sale, the price of a printer is 10% that of a laptop. Alvin paid $1980 for both items at a discount of 40%.

- (a) How much did he save because of the discount?
- (b) What was the original price of the printer?

Ans: a)_____[3]

   b)_____[2]

5

End of Paper
Please check your work carefully

20

Singapore Chinese Girls Primary School

Primary 5 Maths SA2 Exam (2005)

Exam ...

Answer Sheets

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

16. 400

17. 94.1

18. 3.96

19. $1\frac{2}{3}$

20. 750

21. 2.06

22. 55

23. West

24. 200

25. 80

26. 39

27. 100

28. 48

29. 140

30.

31.

32. 9

33.. $1\frac{1}{2}$

34. 32

35. 25%

36. $1.10

37. 0.7kg

38. 8.1m

39. 1024cm³

40. 60°

41. $140

42. a) 52 marbles   b) 80 marbles

43. a) 40%   b) 200

44. 35°

45. a) 480mℓ   b) 7cm

46. a) 15cm   b) 32 : 25

47. a) 144 blue pens   b) $\frac{9}{17}$

48. a) $1320   b) $300