SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT (2008)
PRIMARY 4
MATHEMATICS
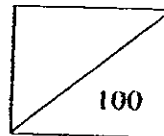
Name: _____( )   Date: _____

Primary 4 SY   C / G / SE / P

Parent's signature   Duration: 1 h 45 min

Booklet A (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. In 43 758, the digit 7 stands for _____.

   (1) 7   (3) 700
   (2) 70   (4) 7000

2. What is the product of 205 and 16?

   (1) 221   (3) 1435
   (2) 1220   (4) 3280

3. 6 is a common factor of _____.

   (1) 3 and 2   (3) 6 and 20
   (2) 3 and 6   (4) 18 and 30

1

4. The above figure is not drawn to scale. Estimate ∠ PQR.
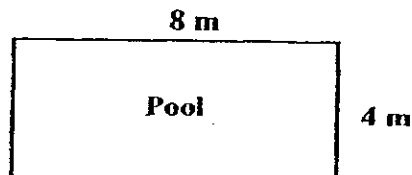
(1) 40°   (3) 120°
(2) 90°   (4) 270°

5. The figure below is an octagon. Line CD is parallel to line _____.
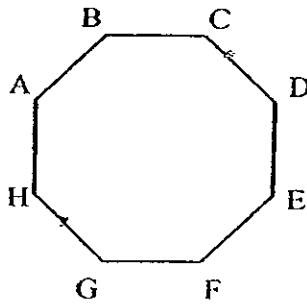

(1) BC   (3) EF
(2) HG   (4) AH

6. Kelly walked round the pool <u>three times</u>. What was the distance covered?

(1) 24 m   (3) 64 m
(2) 32 m   (4) 72 m

7. Which of the following has the same value as 8000?

(1) 80 tens

(3) 800 hundreds

(2) 800 tens

(4) 8000 thousands

8. What is the difference between the greatest and the smallest factor of 87?

(1) 26

(3) 84

(2) 58

(4) 86

9. Isaiah has $8000 when rounded off to the nearest $100. What is the least possible amount of money Isaiah has?

(1) $7934

(3) $7951

(2) $7949

(4) $7999

10. How many eighths are there in $3\frac{3}{4}$?

(1) 20

(3) 30

(2) 36

(4) 40

11. The figure below, not drawn to scale, is made up of 4 squares. The perimeter of the figure is 20 cm, what is the area of one square?
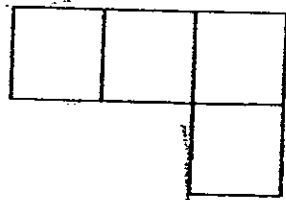
(1) 6 cm^2

(3) 8 cm^2

(2) 2 cm^2

(4) 4cm^2

3

12. A stationery set consists of 5 pencils, an eraser and a ruler.
Both the eraser and ruler cost 65 cents each.
Each pencil costs 50 cents.
What is the total cost of the whole set?

(1) 380 cents (3) 210 cents
(2) 250 cents (4) 130 cents

13. A digital watch costs $69. A retailer ordered 38 watches. How much did he pay altogether?

(1) $107 (3) $2622
(2) $759 (4) $5727

14. I am facing south. If I turn 135° clockwise, where will I be facing?

(1) North (3) North-east
(2) South-west (4) North-west

15. The figure below is made up of 1 big square and 5 identical small squares. The area is of the figure is 81 cm^2, what is the length of each side of the small square?
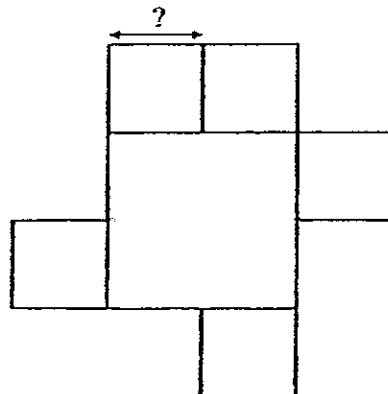
(1) 6 cm (3) 3 cm
(2) 9 cm (4) 12 cm

4

Name: _____ (   )   Date: _____

Primary 4 SY C / G / SE / P   Duration: 1 h 45 min

Booklet B
Section A (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.
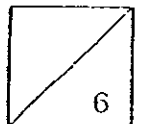
16.   49500 is 6000 more than _____ .

Ans: _____

17. Write down the first two common multiples of 4 and 6.

Ans: _____

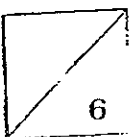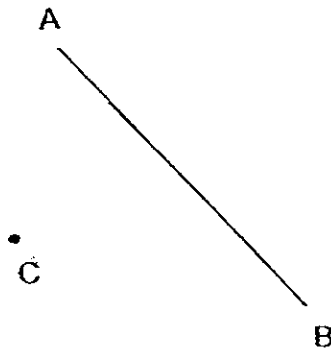18. Subtract 234 from 8756. Round off the answer to the nearest ten.

Ans: _____

19. $6 - \dfrac{3}{4} - 2\dfrac{1}{2} = $ ☐

Ans: _____

20. A line XY has been drawn for you. Using a protractor, draw an angle such that $\angle XYZ = 65°$. Label the angle drawn.

X⊢ ————————————————— Y
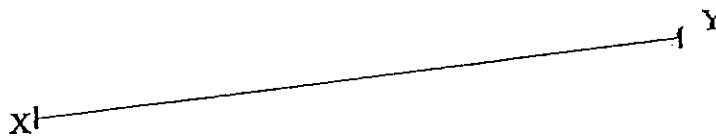
21. Using a set-square and a ruler, draw a line parallel to AB and passing through the point C.

A

• C

B

6

22. Complete the number pattern.

28, 54, 81, _____ , 138, 168, 199

Ans: _____

23. Every 2 dresses cost $30 and every 4 skirts cost $40. Find the total cost of 6 such dresses and 12 such skirts.
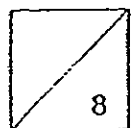
Ans: $ _____

24. Find the missing number in the box.

```
    4 3 □ 5
  X     2 1
    4 3 6 5
+ 8 7 3 0 0
  9 1 6 6 5
```

Ans: _____

25. I am a 2-digit even number which is less than 100.
I can be divided by 5 exactly.
I can also be divided by 7 exactly.
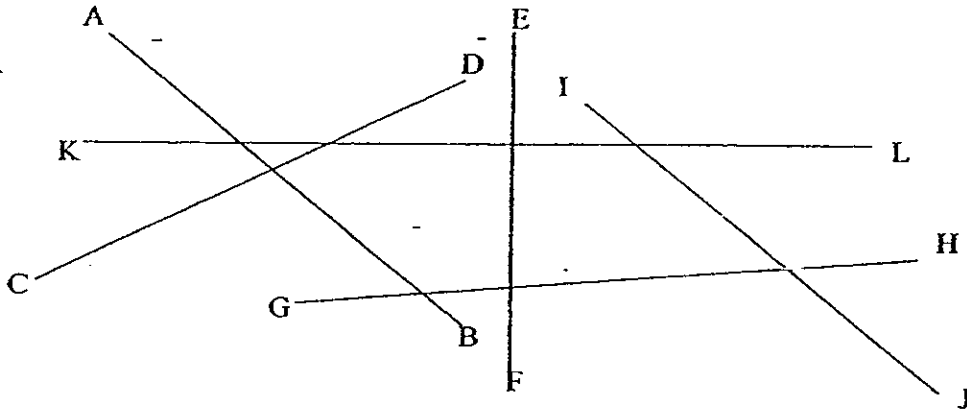What number am I?

Ans: _____

8

7

26. Arrange the following fractions in <u>ascending</u> order.

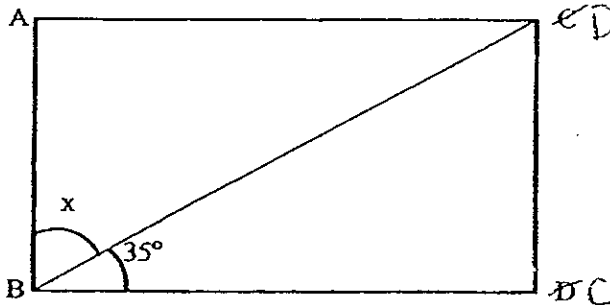$$\frac{2}{3}, \quad \frac{7}{6}, \quad \frac{1}{5}, \quad \frac{1}{10}$$

Ans: _____

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27. AB, CD, EF, GH, IJ and KL are straight lines. Name one pair of parallel lines from the diagram below. ~~The diagram below is drawn to scale.~~

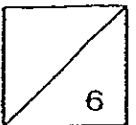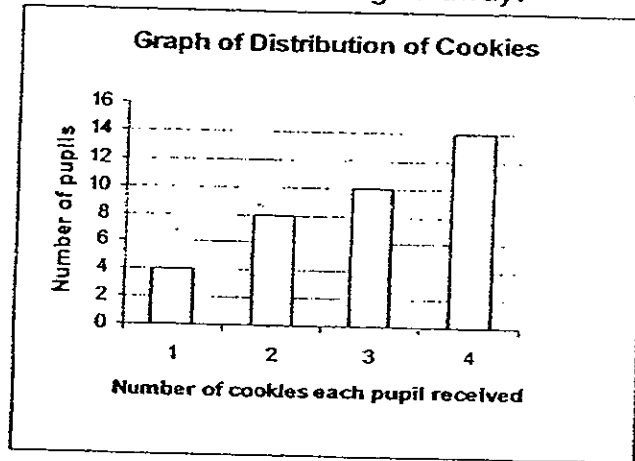A · E
D · I
K ————————— L
H
C
G
B
F
J

Ans: _____//_____

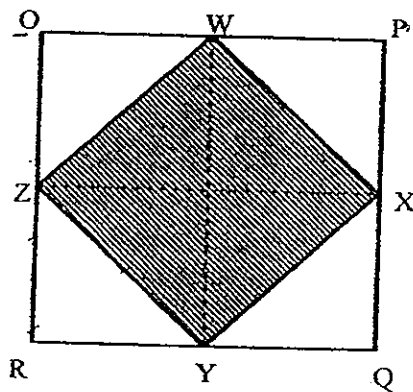28. ABCD is a rectangle. Find the ∠ x.

A ———————————— D
x
35°
B ———————————— C

Ans: _____

6

29. The graph below shows the number of cookies Mrs Tan gave to some pupils. How many cookies did she give away?

Graph of Distribution of Cookies

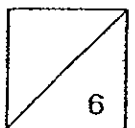Number of cookies each pupil received

Ans: _____

30. OPQR is a square of side 24 cm. W, X, Y and Z are the mid-points of each side of the square OPQR. Find the area of WXYZ.

Ans: _____ · cm²

31. Gabriel placed 364 g of red beans and 404 g of green beans in a container. He then divided the mixture into 6 equal bags. What was the total mass of 1 such bag?

Ans: _____ g

9

32. Kelvin gave $\frac{1}{3}$ of his pocket money to charity. He then spent $\frac{1}{6}$ of his pocket money on food and saved the rest. What fraction of his pocket money did he save? Give your answer in its simplest form.
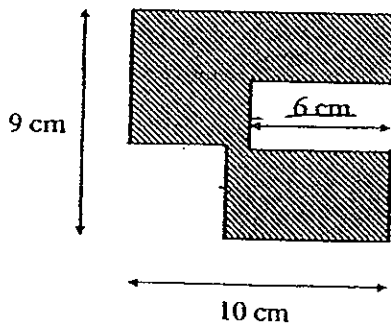
Ans: _____

33. A factory produces 789 toys each day. How many toys does it produce in 4 weeks?
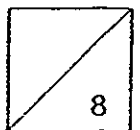
Ans: _____

34. Belle has less than 60 exercise books. She can arrange them into either 8 or 5 equal stacks. How many exercise books does she have?

Ans: _____

35. Find the perimeter of the shaded figure. All lines meet at right angles.

9 cm

6 cm

10 cm

Ans: _____

8

Name:_____ (   )   Date:_____

Primary 4 SY / C / G / SE / P   Duration: 1 h 45 min

Booklet B
Section B

Work out the following problems. All working must be clearly shown in spaces provided.

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

36. Mavis bought a total of 688 beads. There were 129 red beads and 98 more blue beads than red ones. The rest were green beads. How many green beads were there?
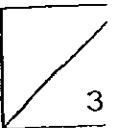
Ans:_____[3]

3
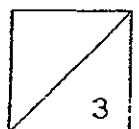
37. During Chinese New Year, the Primary Six pupils sold 15 greeting cards each. There were 40 pupils in each of the 8 Primary Six classes. What was the total number of cards sold by the pupils?
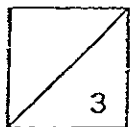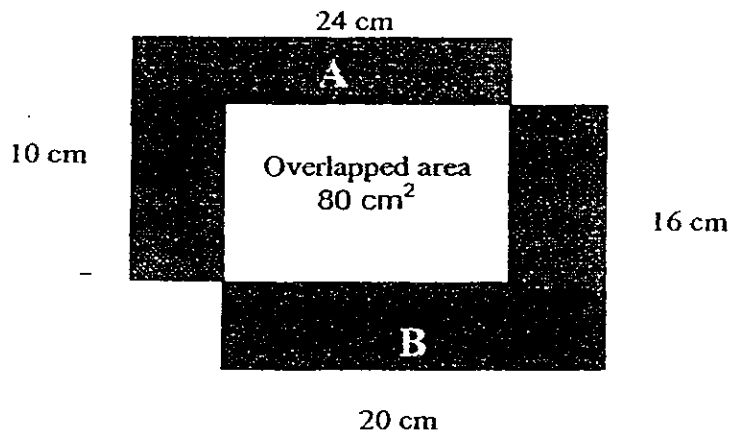
Ans: _____ [3]

3

12

38. In a childcare centre, $\frac{3}{7}$ of the children are in Nursery One and the rest are in Nursery Two. If 84 children are in Nursery Two, how many children are in Nursery One?

Ans:_____[3]

3

13
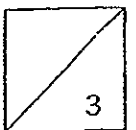
39. Two rectangular cardboards, A and B, placed on top of each other as shown in the diagram below. Find the area of the shaded part.

24 cm

10 cm

Overlapped area
80 cm^2

16 cm

20 cm

A

B
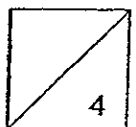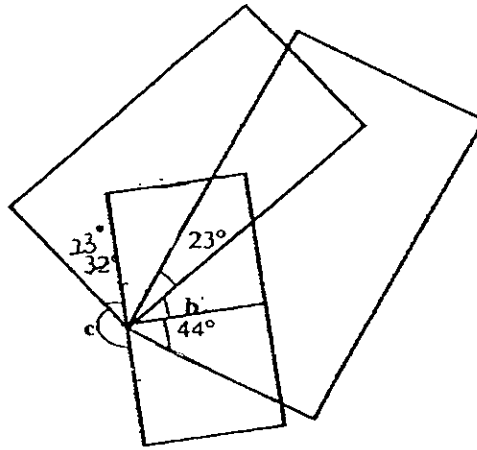
Ans:_____[3]

3

14

40. Shasi, Kumar and Vicknesh have collected a total number of 360 old stamps. Shasi has collected 39 stamps more than Vicknesh and Vicknesh has collected 45 stamps more than Kumar. How many old stamps has Shasi collected?

Ans:_____[4]

4

15

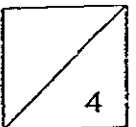41. The figure below is made up of 2 rectangles and 2 squares.
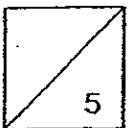

(a) Find ∠ b.
(b) Find ∠ c.

Ans: (a)_____[2]

(b)_____[2]

4

16

42. Library A keeps 50 ~~more~~ books ~~more~~ than Library B. If 120 books are transferred to Library B from Library A, there will be twice as many books in Library B as in ~~the~~ Library A. How many books are there altogether?
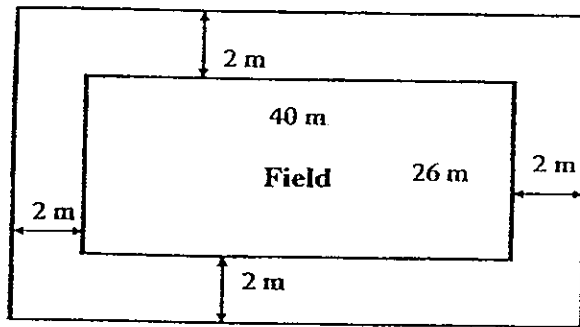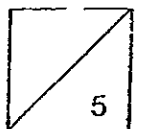
Ans: _____ [5]

5

43. The figure below shows a rectangular field which measures 40 m by 2m 25 m. There is a flower bed surrounding the field.
(a) Find the area of the flower bed.
(b) If it costs $20 to plant each square metre of the flower bed, how much does it cost to plant the flower bed?
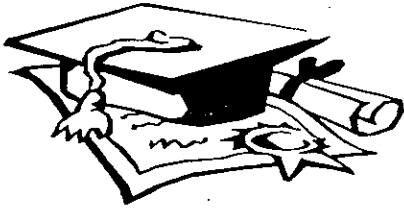
Ans: (a)_____[3]

(b)_____[2]

5

END OF PAPER

ANSWER SHEET

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

16)43500   17)12 and 24   18)8520   19)2¾

20)   21)

22)109   23)$210   24)6   25)70

26)1/10, 1/5, 2/3, 7/6   27)IJ∥AB   28)55°

29)106 cookies   30)288cm₂   31)128g   32)½

33)22092 toys   34)40 exercise books   35)50cm

36) red beads | 129 |
blue beads | | 98 | } 688
green beads | ? |

blue beads --- 129+98=227
green beads --- 688-129-227=332 green beads

37) Greeting cards sold by 1 primary six class --- 15x40=600
Total No. of cards sold --- 600x8=4800 cards

38) 4 units→84
1 unit→84÷4=21
Nursery one→21x3=63 children

39) Area of A→10x24=240cm$_2$
Area of B→20x16=320cm$_2$
Total Area→240+320=560cm$_2$
Area of shaded part→560-80-80=400cm$_2$

40) 3 units→360-45-45-39=231
1 unit→231÷3=77
Shasi→77+45+39=161 old stamps

41) a) Angle d→90° -23° -23° =44°
Angle b→90° -44° -23° =23°
b) Angle e→90° -44° =46°
Angle c→360° -23° -44° -23° -23° -44° -46° =157°

42) 1 unit→70+70+50=190
Library B now 2 unit→190x2=380
Library B at first→380-120=260
Library A at first→260+50=310
Altogether→260+310=570 books.

43)a)Length of flower bed$\rightarrow$40m+2m+2m=44m
   Breadth of flower bed$\rightarrow$26m+2m+2m=30m
   Area of field$\rightarrow$40x26=1040m$_2$
   Area of whole$\rightarrow$44x30=1320m$_2$
   Area of flower bed$\rightarrow$1320-1040=280m$_2$

   b)Cost$\rightarrow$280x$20=$5600