SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)
SECOND SEMESTRAL ASSESSMENT 2010
PRIMARY 4
MATHEMATICS

Name: _____ ( ) Marks: /100

Class: Primary 4

Time: 1 h 45 min Parent's Signature: _____

Section A: (30 marks)

Questions 1 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.

1. The value of the digit 3 in 43 012 is _____.

   (1) 30 (2) 300

   (3) 3 000 (4) 30 000

2. Which of the following numbers when rounded off to the nearest ten becomes 31 500?

   (1) 31 444 (2) 31 496

   (3) 31 506 (4) 31 554

3. How many one-sixths are there in 3 wholes?

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

   (3) 6 (4) 18

4. $9.07 = 9 + \frac{7}{\square}$

   What is the missing number in the box?

   (1) 1 (2) 10

   (3) 100 (4) 1000

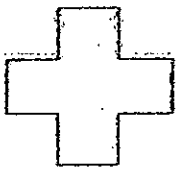
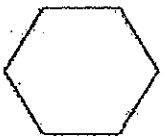
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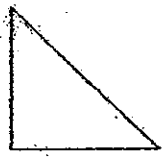
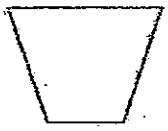
5. Write $8\frac{3}{50}$ as a decimal.

(1) 8.6 (2) 8.06

(3) 8.60 (4) 8.006

6. Which of the following figures has both parallel lines and perpendicular lines?

(1)  (2) 

(3)  (4) 

7. Find the sum of all the common factors of 12 and 18.

(1) 11 (2) 12

(3) 16 (4) 67

8. In a box of buttons, $\frac{5}{12}$ of them are red, $\frac{1}{4}$ of them are blue and the rest are white. What fraction of the buttons are white buttons?

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

(3) $\frac{1}{3}$ (4) $\frac{1}{4}$

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47 tenths and 26 hundredths is the same as _____.

(1) 4.96 (2) 4.726

(3) 47.26 (4) 470.26

10. Mary packed 10 kg of sugar equally into 8 bags.
What was the mass of sugar in each bag?

(1) 0.8 kg (2) 1.2 kg

(3) 1.25 kg (4) 1.3 kg

11. Doris went to bed at 22 45 and woke up at 07 30.
How long did she sleep?

(1) 8 h 15 min (2) 8 h 45 min

(3) 9 h 45 min (4) 15 h 15 min

12. Rachel exchanges 8 fifty-cent coins and some twenty-cent coins for a $10 note with her sister. How many twenty-cent coins does she have?

(1) 8 (2) 10

(3) 20 (4) 30

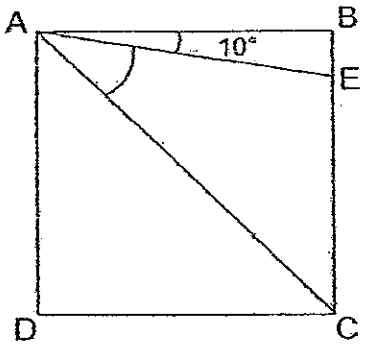
13. You are facing east. You turn anti-clockwise through 225°.
Which direction are you facing now?

(1) north-east (2) north-west

(3 south-east (4) south-west

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14. In the figure, ABCD is a square and $\angle EAB = 10°$. Find $\angle EAC$.



(1) 35°

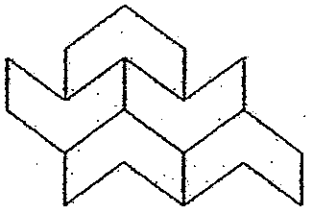
(2) 40°

(3) 45°

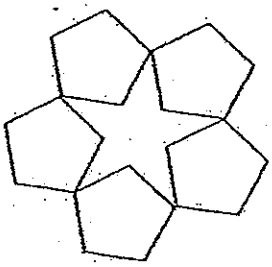
(4) 80°

15. Which of the following is not a tessellation?

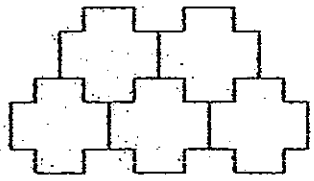
(1)



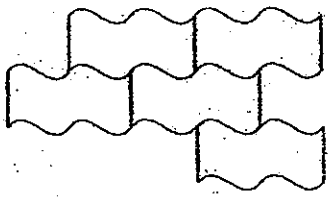
(2)



(3)



(4)



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Name : _____ ( )

Class: Primary 4

40

Section B: (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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16. Write twenty thousand and sixty-five in numerals.

Ans: _____

17. Fill in the blank with the correct number in the number pattern below.

68 , 83 , 98 , _____ , 128

Ans: _____

18. Write $\frac{20}{6}$ as a mixed number in its simplest form.

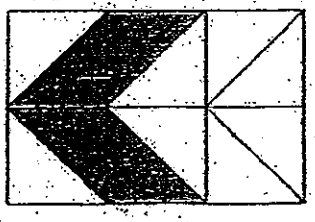
Ans: _____

19. Find the value of $1 - \frac{2}{9} - \frac{1}{3}$.

Ans: _____

20. What fraction of the figure is shaded?

Express your answer in the simplest form.



Ans: _____

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21. Express 0.05 as a fraction in its simplest form.

Ans: _____

22. Arrange these numbers from the greatest to the smallest.

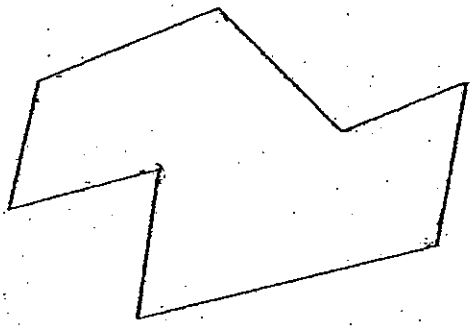
0.18 , 0.108 , 0.081 , 0.801

Ans: _____ (*greatest*) , _____ , _____ , _____ (*smallest*)

23. Round off 89.54 to the nearest whole number.

Ans: _____

24. How many angles **in the figure** are greater than a right angle?



Ans: _____

8

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25. A flask contained 4l of hot water. Mrs Lim used $\frac{3}{4}l$ of it to make tea. How much hot water was left in the flask?

Ans: _____ l

26. Daniel has a pole. He paints $\frac{1}{3}$ of the pole blue, $\frac{1}{4}$ of the same pole green and the rest of the pole red. What fraction of the pole is painted red?

Ans: _____

27. What number is 0.01 more than 3.999?

Ans: _____

28. Subtract 53.92 from 100. Round off your answer to the nearest tenth.

Ans: _____

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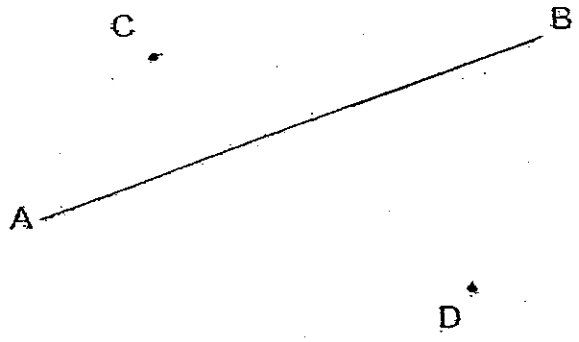
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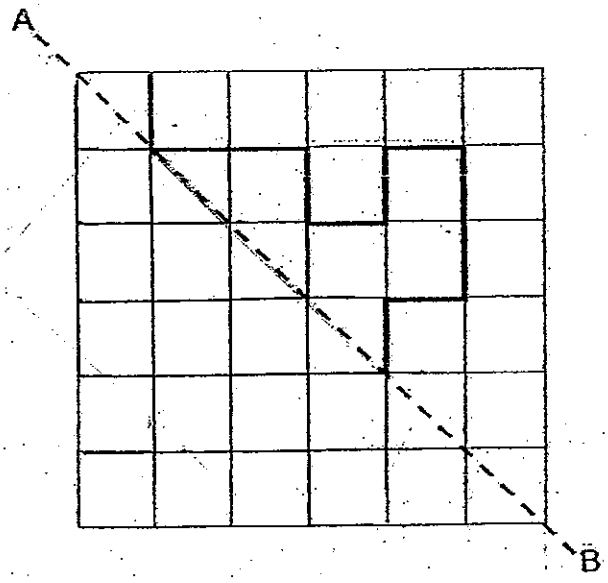
29. At a supermarket, mangoes were sold at 3 for $4.25.
How much did Mrs Lim pay for 24 mangoes?

Ans: $_____

30. The figure below shows a line AB and 2 points C and D.
(a) Draw a line parallel to AB through the point C.
(b) Draw another line perpendicular to AB through the point D.



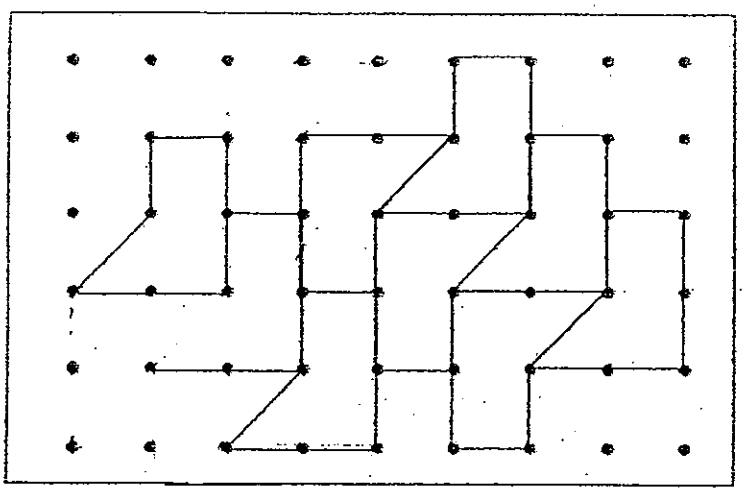
31. Complete the symmetric figure with the line AB as the line of symmetry.



6

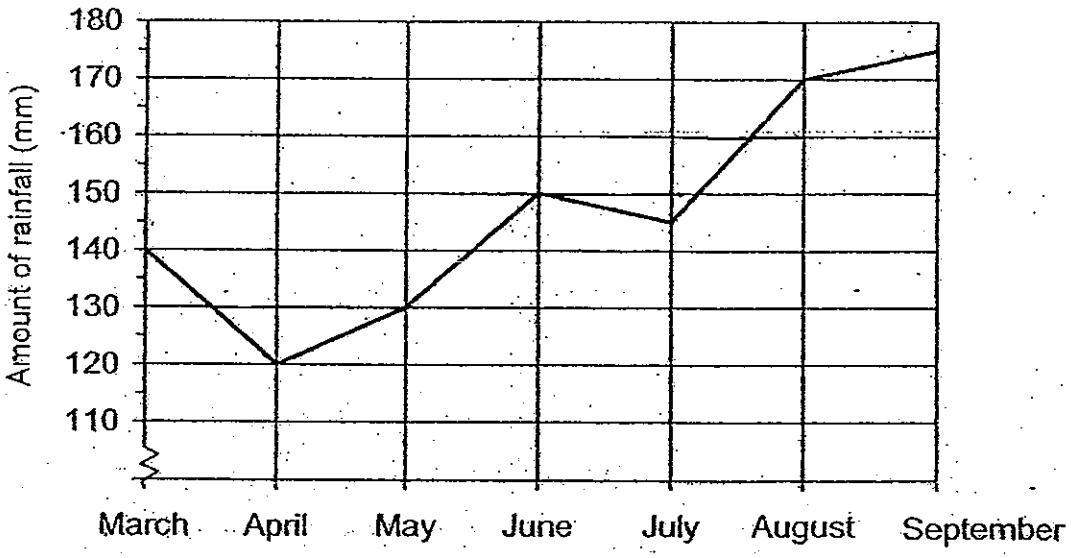
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32. The pattern in the box shows part of a tessellation.



Draw two more unit shapes to extend the tessellation in the space provided.

33. The line graph shows the amount of rainfall recorded in Singapore from March to ~~August~~ September in a certain year. Study the graph carefully and answer the following question.



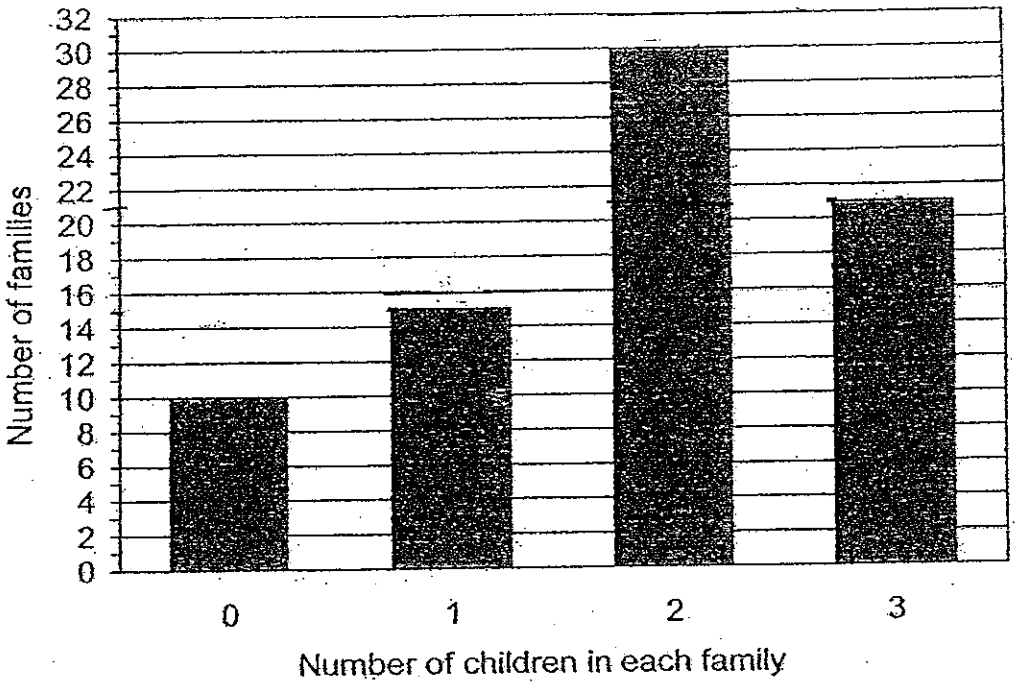
Between which two months did the amount of rainfall rise the greatest?

Ans: _____ and _____

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34. The bar graph shows the number of families and the number of children in each family in a block of flats.



How many children are there in the whole block of flats?

Ans: _____

35. The perimeter of a rectangle is 40 cm. Its length is thrice its breadth. Find the area of the rectangle.

Ans: _____ cm^2

4

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Name : _____ (

Class: Primary 4

30

Section C: (30 marks)

For each questions 36 to 43, show your workings clearly in the space provided for 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.

36. Rachel had $20. She bought 3 similar files and had $5.75 left.
How much did each file cost?

Ans: _____ [3]

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37. At an exhibition hall, there were thrice as many adults as children. The number of boys was twice the number of girls. Given that there were 98 more adults than boys, how many people were at the exhibition hall?

Ans: _____ [3]

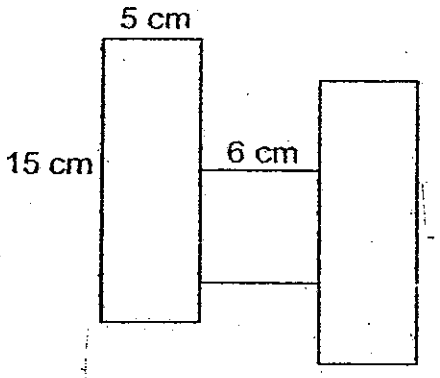
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38. Ann had $20 more than Beth at first. After Ann had spent $4, Ann had thrice as much as Beth. How much money did Ann have at first?

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Ans: _____ [3]

39. The figure below is made up of two identical rectangles and a square. Find the perimeter of the figure.



Ans: _____ [3]

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40. At a sports meet, there were 600 pupils and $\frac{3}{5}$ of them were boys.

$\frac{1}{4}$ of the boys and $\frac{1}{3}$ of the girls were competitors.

How many competitors were there?

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Ans: _____ [4]

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41. Sally has 36 red buttons and 28 blue buttons. She packs all the buttons in such a way that there is an equal number of red buttons and an equal number of blue buttons in each packet with no button left over.

(a) What is the greatest possible number of packets she can get?

(b) How many buttons are there in each packet?

Ans: (a) _____ [1]

(b) _____ [3]

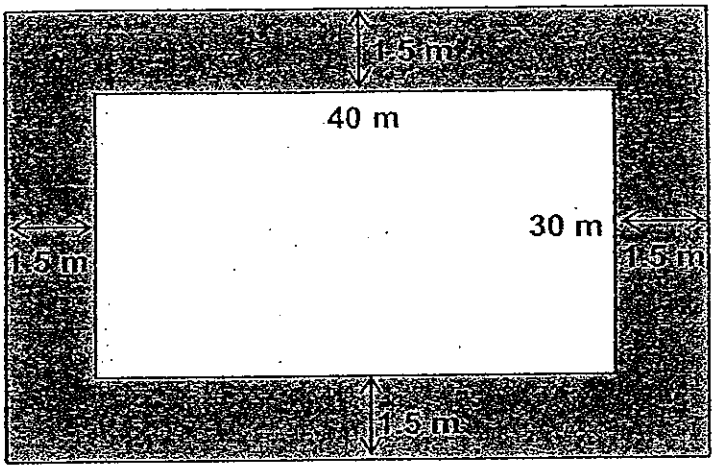
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42. A rectangular swimming pool measuring 40 m by 30 m is surrounded by a path of equal width 1.5 m. It costs $20 to cement 1 m^2 of the path.

(a) Find the area of the path.

(b) What is the cost of cementing the path?



Ans: (a) _____ [3]

(b) _____ [2]

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43. During a quiz, 4 marks would be awarded for a question answered correctly while 2 marks would be deducted for a question that was answered wrongly. Jane managed to answer 3 questions correctly for every 5 questions that she answered. She scored a total of 72 marks.

(a) How many questions did Jane answer correctly?

(b) How many questions were there altogether?

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Ans: (a) _____ [3]

(b) _____ [2]

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Ans

EXAM PAPER 2020

SCHOOL : SCGS PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

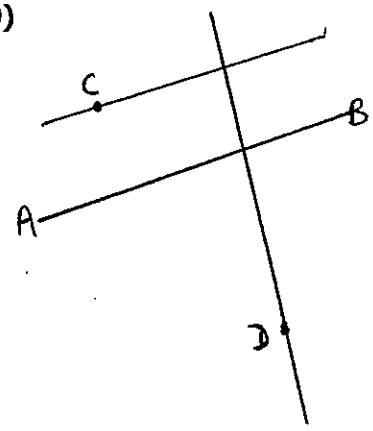
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Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
3	2	4	3	2	1	2	3	1	3	2	4	4	1	2

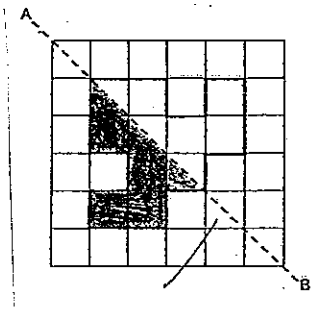
16)20065 **17)113** **18)$3\frac{1}{3}$** **19)4/9** **20)1/3**

21)1/20 **22)0.801, 0.18, 0.108, 0.081** **23)90** **24)5** **25)$3\frac{1}{4}$**

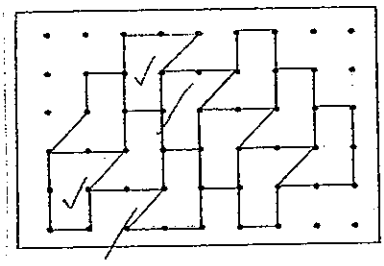
26)5/12 **27)4.009** **28)46.1** **29)$34** **30)**



31)



32)



33)July and August **34)138** **35)75cm2**

36)3 files→$20 – $5.75 = $14.25
1 file→ $14.25÷3 = $4.75

37)1unit→98 ÷ 7 = 14
Total no.of people→14 x 12 = 168

38)How much money Ann had more than Beth after spending $4→$20 – $4 = $16
1 unit→$16 ÷ 2 = $8
How much money Ann had left after spending $4→$8 x 3 = $24
Ann's money at first→$24 + $4 = $28

39)Perimeter of the rectangle→15 + 5 + 5 + 15 = 10 + 30 = 40cm
Perimeter of the two rectangles→40 x 2 = 80cm

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40)1 unit→600 ÷ 5 = 120
1 = 5/5
5/5 – 3/5 = 2/5 (Fraction of all the girls)
120 x 2 = 240
240 ÷ 3 = 80 (girl competitors)
120 x 3 = 360
360 ÷ 4 = 90 (boy competitors)
80 + 90 = 170

41)a)Factors of 36 = 1,2,3,4,5,6,9,12,18,36
Factors of 28 = 1,2,4,7,14,28
Highest common factor = 4 packets.
b)36 ÷ 4 = 9
28 ÷4 = 7
9 + 7 = 16 buttons.

42)a)Area of swimming pool→40 x 30 = 1200m^2
Length of path→1.5 + 1.5 + 40 = 3 + 40 = 43m
Breadth of path→1.5 + 1.5 + 30 = 3 + 30 = 33
Area of entire figure→33 x 43 = 1419m^2
b)219m^2 x $20 = $4380

43)a)4 x 3 =12
2 x 2 =4
12 – 4 = 8
72 ÷ 8 = 9
9 x 3 = 27
b)9 x 5 =45

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