Rosyth School
First Semestral Assessment 2013
Mathematics
Primary 4

Total 100

Name: _____

Class: Pr 4-_____ Register No. _____ Duration: 1h 45 min

Date: 14 May 2013 Parent's Signature: _____

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

* This paper consists of 20 pages altogether.

Section A (40 marks)

For questions 1 to 20, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

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1. In 24 589, the digit '2' stands for _____ .

   (1) 2 tens
   (2) 20 tens
   (3) 200 tens
   (4) 2 000 tens

2. Which of the following is a multiple of 12?

   (1) 74

   (2) 96

   (3) 3

   (4) 4

3. 89 X 47 is the same as _____.

   (1) 8 x 47 + 9 x 47
   (2) 89 x 4 + 89 x 7
   (3) 80 x 40 + 9 x 7
   (4) 89 x 40 + 89 x 7

4. $4\frac{7}{8}$ expressed as an improper fraction is _____ .

   (1) $\frac{28}{8}$ (2) $\frac{36}{8}$

   (3) $\frac{39}{8}$ (4) $\frac{47}{8}$

5. Which of the following is **not** an equivalent fraction of $\frac{2}{3}$?

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

(2) $\frac{8}{12}$

(3) $\frac{10}{15}$

(4) $\frac{12}{15}$

6. Which of the following is **not** true for a rectangle?

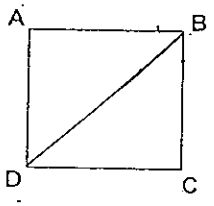
(1) The opposite sides are equal

(2) The opposite sides are parallel

(3) The sides that meet do not always form perpendicular lines

(4) All angles are right angles

7. Figure ABCD is a square. Name the angle that is 45°



(1) ∠ BCD

(2) ∠ CBA

(3) ∠ CDB

(4) ∠ BAD

Study the table below and use the information to answer questions 8 and 9.

The table below shows how a group of students come to school.

	Public Bus	School Bus	Private Transport	Walking
Boys	8	11	3	7
Girls	10	5	12	12

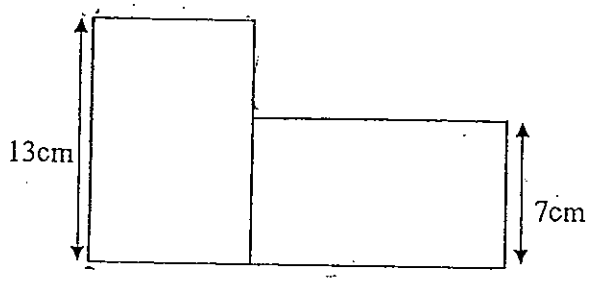
8. Most of the students come to school by _____.

(1) Walking
(2) School Bus
(3) Private Transport
(4) Public Bus

9. Instead of taking the public bus, 2 girls decided to take the school bus to school. The least number of the students come to school by _____.

(1) Walking
(2) School Bus
(3) Private Transport
(4) Public Bus

10. The figure below is made up of 2 identical rectangles.



What is the perimeter of the figure?

(1) 20 cm

(2) 66 cm

(3) 73 cm

(4) 80 cm

11. 59 000 is obtained by rounding off _____ to the nearest hundred.

(1) 58 099

(2) 58 499

(3) 59 049

(4) 59 100

12. Find the product of 46 and 239.

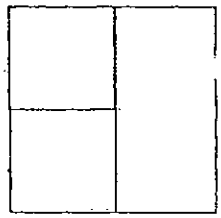
(1) 285

(2) 2 390

(3) 10 994

(4) 12 194

13. The figure below is a square (not drawn to scale). It is formed by 2 small identical squares and 1 rectangle. The area of a small square is 36 cm^2. Find the perimeter of the rectangle.



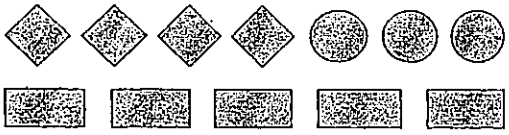
(1) 24 cm

(2) 36 cm

(3) 54 cm

(4) 72 cm

14. What fraction of the shapes are circles?



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

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

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

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

15. The length of Tina's ribbon is $\frac{3}{4}$ m. Helen's ribbon is $\frac{1}{2}$ m longer than Tina's ribbon. What is the total length of Tina's and Helen's ribbon?

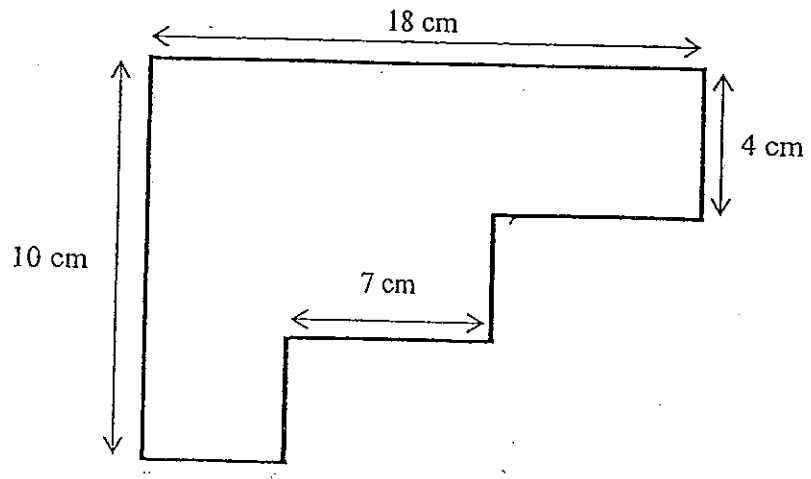
(1) $\frac{1}{4}$ m

(2) 2 m

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

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

16. The figure below is not drawn to scale.



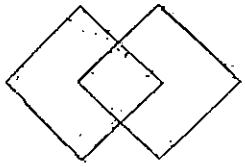
What is the perimeter of the figure?

(1) 39 cm
(2) 45 cm
(3) 56 cm
(4) 61 cm

17. Mr Tan's age is a multiple of 8 this year. Next year, his age will be a multiple of 7. How old is he this year?

(1) 40
(2) 42
(3) 45
(4) 48

18. Adil used a wire and made two identical squares. He placed the squares over one another and formed a figure with a smaller square in the middle. How many right angles are there in the figure he formed?



(1) 6

(2) 8

(3) 12

(4) 14

19. Sue received her salary for the month of June. She gives $\frac{2}{5}$ of her money to her mother. If she gave her mother $208, how much was her salary for the month of June?

(1) $104

(2) $416

(3) $520

(4) $1 040

20. Betty spent $46 on 17 pens and pencils. Each pen costs $3 and each pencil costs $2. How many pencils did she buy?

(1) 5

(2) 7

(3) 3

(4) 12

Section B (40 marks)

For questions 21 to 40, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Each question carries 2 marks.

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21. Find the greatest **odd** number that can be formed with all of the following digits : 6, 9, 3, 0 and 8

22. The third common multiple of 4 and 6 is _____.

23. The quotient when 5 688 is divided by 9 is _____.

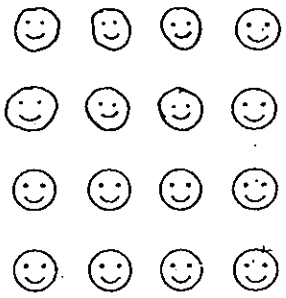
24. Find the number in box below.

$$\begin{array}{r} 6\ 8 \\ \times\quad 3\ \square \\ \hline 2\ 5\ 1\ 6 \\ \hline \end{array}$$

25. Express $4\frac{3}{7}$ as an improper fraction.

26. Simplify $1\frac{7}{9} - \frac{2}{3}$.

27. Shade $\frac{3}{8}$ in the following diagram below.

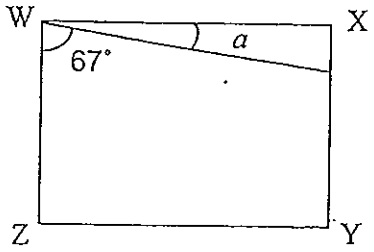


28. A number is 260 when rounded off to the nearest 10. What could be the **greatest** value of the original number?

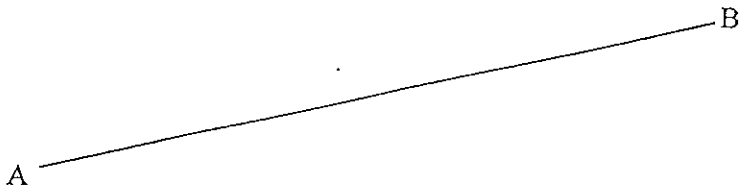
29. The length of a garden is twice its breadth. The perimeter of the garden is 24m. Find the length of the garden.

m

30. In the figure below (not drawn to scale), WXYZ is a rectangle. Find the value of $\angle a$.

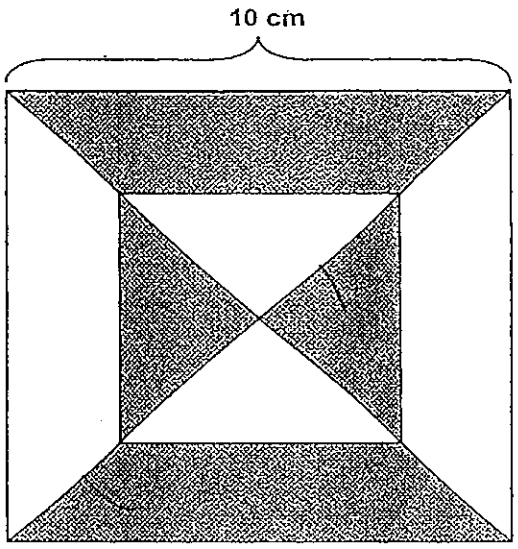


31. Using your set squares, draw a line that is parallel to the given line AB through point C.



C

32. A bigger square and a smaller square were used to form the figure below. Find the area of the shaded parts.



$\_\_\_\_\_ cm^2$

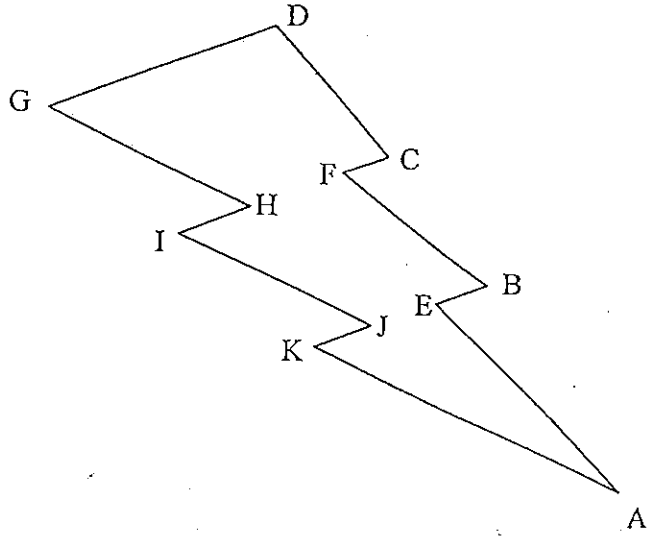
33. Leo had \$210. He donated $\frac{1}{7}$ of it to charity. How much had he left?

\$ _____

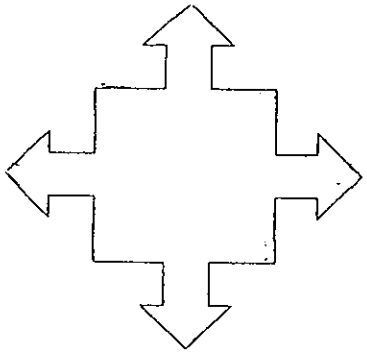
34. Mrs. Tang used $\frac{3}{7}$ of oil to cook her meal and had 640 ml left. How much oil did she have at first?

_____ ml

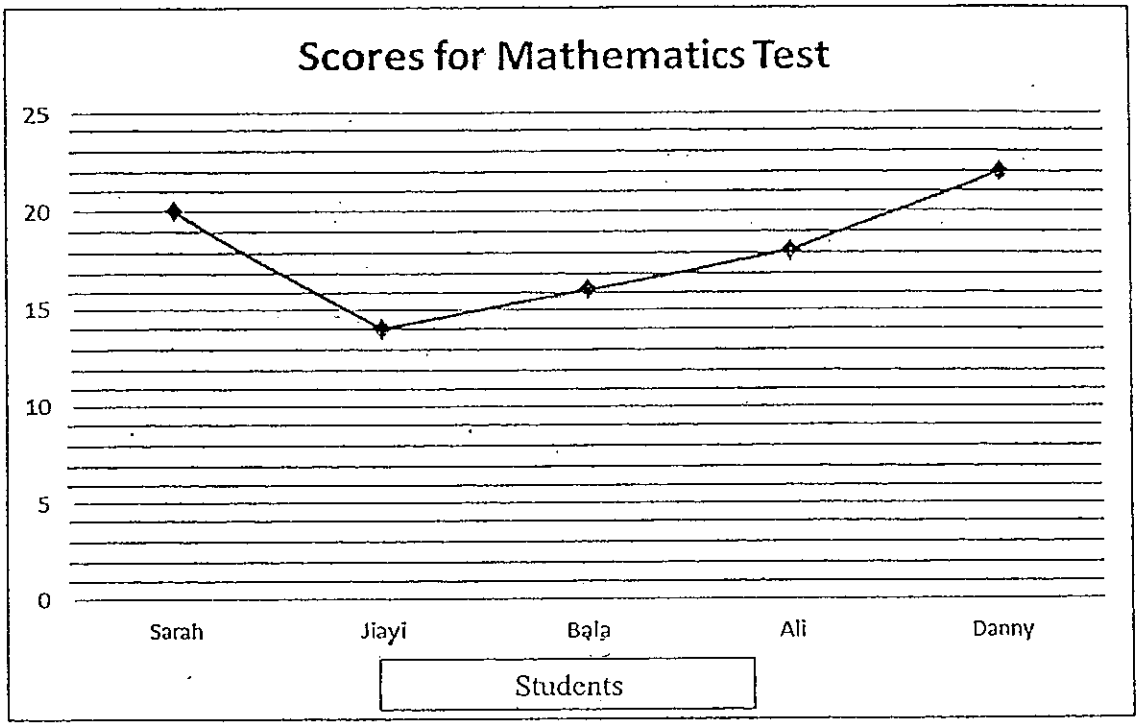
35. Name a pair of parallel lines in the figure given below.



36. How many right angles are there in the figure below?



Study the graph below and use the information to answer question 37 and 38.



37. If the maximum score for this test is 25 marks, what fraction of the score did Sarah get? Give your answer in the simplest form.

38. What is the difference between the student that scored the highest and the student that scored lowest in this test?

39. Helen bought some butter. She used $\frac{3}{5}$ of it and had 800g left. How much butter did she buy? Leave your final answer in kg.

kg

40. A storybook has 125 pages. Willy read 50 pages of the storybook on Monday and 45 pages on Tuesday. What fraction of the storybook had he not read?

Section C (20 marks)

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question or part question are given in the brackets.

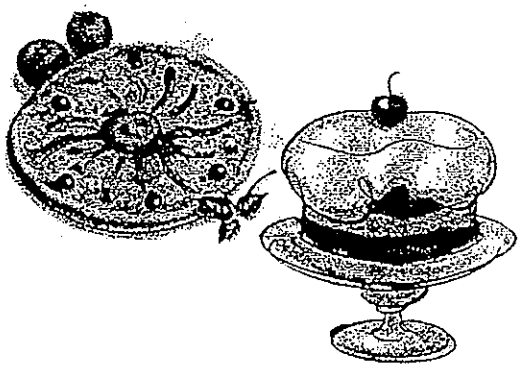
41. Desmond earns $5 285 a month. He earns 5 times as much as Sally. How much do they earn altogether in a month?

Answer: _____ (4 m)

42. A shopkeeper buys 167 cartons of drinks. Each carton has 24 cans of drinks. He then packs the drinks boxes of 6 cans each. If he sells away 236 boxes, how many boxes of drinks has he left?

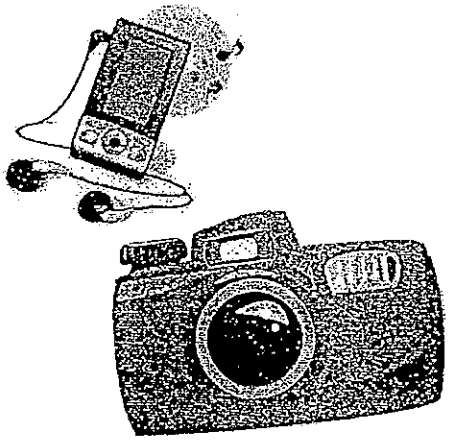
Answer: _____(4 m)

43. Jamie wanted to buy some cakes and pizzas for a party. One cake cost as much as 2 pizzas. If she bought 2 cakes and 5 pizzas for $252, what is the cost of a cake?



Answer: _____ (4 m)

44. Rajah had some amount of money at first. He spent $\frac{2}{5}$ of his money on a music player and $\frac{1}{3}$ of it on a camera. If he had $144 left, how much did he have at first?



Answer: _____ (4m)

45. Kathy had 108 stamps. She gave $\frac{2}{9}$ of her stamps to Hannah and 69 stamps to Sarah. How many stamps had she left?

Answer: _____ (4 m)

~END OF PAPER~

Have you checked your work thoroughly?

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : ROSYTH SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

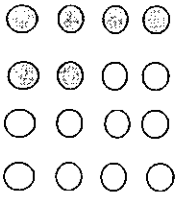
TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	2	4	3	4	4	3	1	3	2	3	3	2	3	2	3	4

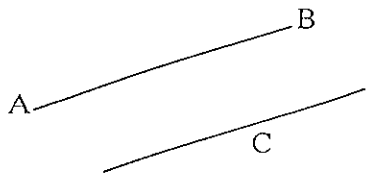
Q18	Q19	Q20
4	3	3

Section B

Q21) 98603
Q22) 36
Q23) 632
Q24) 7
Q25) 31/7
Q26) 1 1/9
Q27)



Q28) 264
Q29) 8
Q30) 23°
Q31)



Q32) $20cm^2$
Q33) $180
Q34) 1120ml
Q35) GD//IH//FC//KJ//EB//GH//IJ//KA
Q36) 8
Q37) 4/5
Q38) 8
Q39) 2
Q40) 6/25

Section C

Q41) 5285 ÷ 5 = 1057
5285+1057 = 6342
They both earn $6342 altogether in a month.

Q42) 167 x 24 = 4008
4008 ÷ 6 = 668
668 – 236 = 432
He left 432 boxes of drinks.

Q43) 2 x 2 = 4
5 + 4 = 9
252 ÷ 9 = 28
28 x 2 = 56
The cost of the cake is $56.

Q44) 1/3 x 3 = 3/9
3/9 + 4/9 = 7/9
9/9 – 7/9 = 2/9
2/9 = 144
1/9 = 72
72 x 9 = 648
He had $648 at first