FIRST Rosyth School

~~Second~~ Semestral Assessment 2014

Mathematics

Primary 4

Total 100

Name: _____

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

Date: 12 May 2014 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.

---

1. In 74 836, the digit '8' stands for _____.

   (1) 8
   (2) 800
   (3) 8 000
   (4) 80 000

2. In which of the numbers below, does the digit '5' have the largest value?

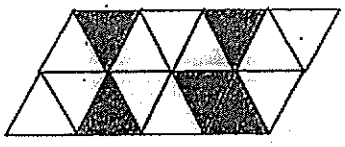
   (1) 1 532
   (2) 2 453
   (3) 15 427
   (4) 20 475

3. The product of 506 and 38 is _____

   (1) 5 516
   (2) 5 566
   (3) 19 088
   (4) 19 228

4. The figure shown is made up of identical triangles:

   What fraction of the figure is shaded?

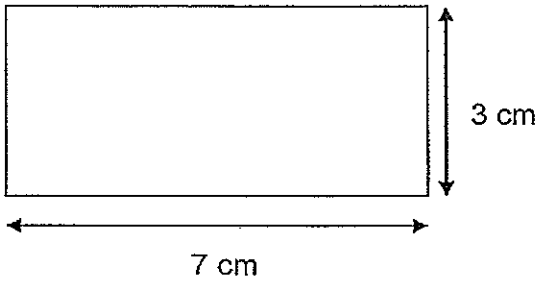
   

   (1) $\frac{5}{16}$
   (2) $\frac{5}{11}$
   (3) $\frac{11}{16}$
   (4) $\frac{11}{5}$

5. Which one of the following are common factors of 18 and 36?

(1) 3 and 4
(2) 3 and 6
(3) 4 and 9
(4) 6 and 12

6. What is the perimeter of the rectangle shown below?



(1) 10 cm
(2) 17 cm
(3) 20 cm
(4) 21 cm

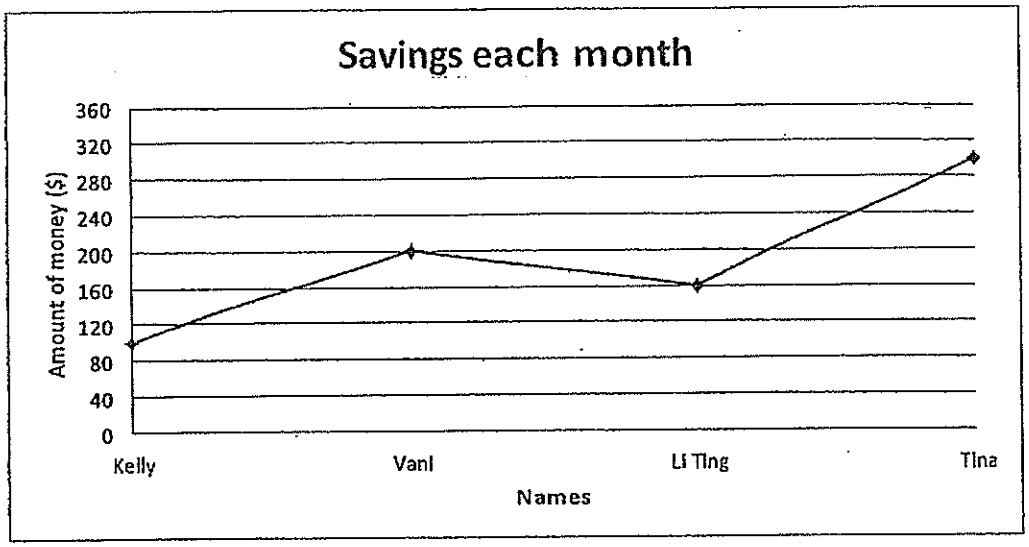
7. $870 \times 10 = 800 \times 10 +$ ☐

(1) 7×10
(2) 70×10
(3) 70×100
(4) 700×100

8. Find the sum of the 7^{th} multiple of 6 and the 5^{th} multiple of 9.

(1) 42
(2) 45
(3) 54
(4) 87

The line graph below shows the amount of money saved by 4 girls each month. Study it carefully and answer questions 9 and 10.



9. How much did Kelly save?

(1) $90
(2) $100
(3) $110
(4) $115

10. Find the difference in savings between Vani and Tina.

(1) $40
(2) $100
(3) $140
(4) $200

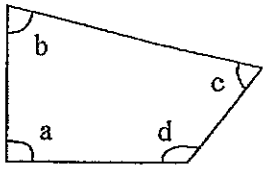
11. Study the number pattern below carefully.

28 110 , 29 120 , 30 130 , ☐ , 32 150 , 33 160 , 34 170

(1) 30 140
(2) 30 150
(3) 31 130
(4) 31 140

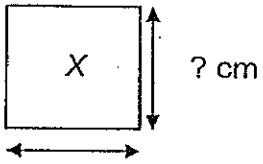
12. In the figure below, one of the angles is a right angle. Name the angle.

(1) ∠ a
(2) ∠ b
(3) ∠ c
(4) ∠ d



13. Square *X* has an area of 64 cm^2

What is the length of square *X*?



(1) 8 cm
(2) 16 cm
(3) 32 cm
(4) 256 cm

14. In Mr Ang's class, $\frac{3}{5}$ of the pupils wore glasses.

18 pupils did not wear glasses.

How many pupils were there in Mr Ang's class?

(1) 6
(2) 27
(3) 30
(4) 45

15. Jack had $1 080. He spent $\frac{4}{9}$ of his money on a bicycle.

How much did the bicycle cost?

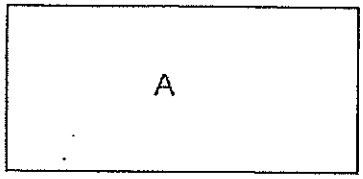
(1) $120
(2) $270
(3) $480
(4) $600

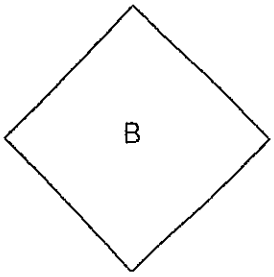
16. There are 40 pupils in Mrs Lim's class. 24 of them are girls.

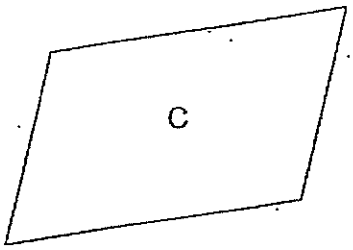
What fraction of the class are boys?

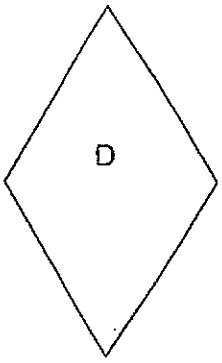
(1) $\frac{1}{5}$
(2) $\frac{2}{5}$
(3) $\frac{3}{5}$
(4) $\frac{4}{5}$

17. Which of the following is a square?









(1) A
(2) B
(3) C
(4) D

18. The total cost of a dining table and 3 chairs is $1 200. The dining table costs 3 times as much as a chair. Find the cost of each chair.

(1) $200
(2) $300
(3) $400
(4) $600

19. Bala spent $\frac{1}{2}$ of his money on a bag.

He also bought a pencil case for \$6. He then had \$24 left.

How much money did he have at first?

(1) \$12
(2) \$30
(3) \$48
(4) \$60

20. Taufik earns \$720. He spent $\frac{1}{6}$ of it on food and $\frac{1}{2}$ of it on transport.

He saved the rest.

How much money did he save?

(1) \$120
(2) \$240
(3) \$360
(4) \$480

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.

---

21. What is the value of the digit '6' in 68 731?

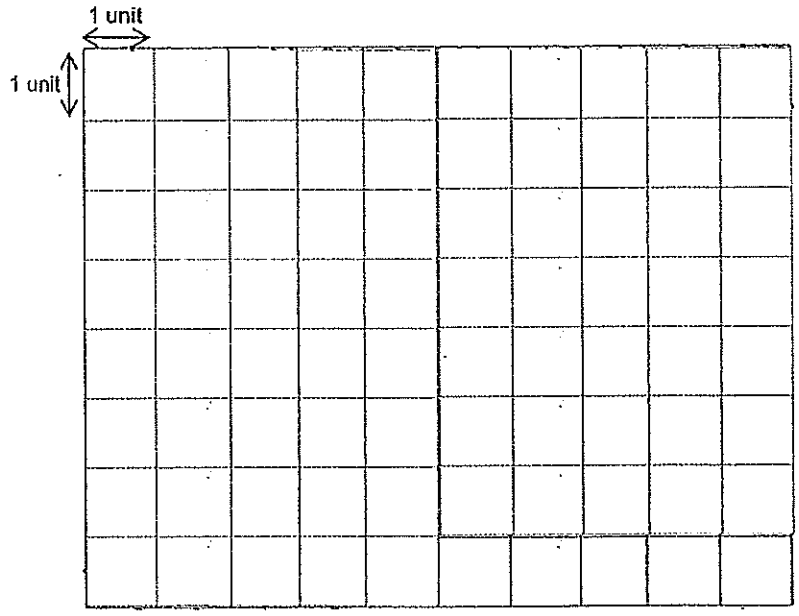
22. What is the first common multiple of 4 and 12?

23. List the first two common multiples of 3 and 6.

24. An odd number is 5 400 when rounded off to the nearest hundred,
What is the smallest odd number?

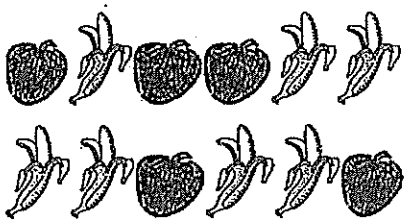
25. What is the largest 3-digit even number that is divisible by 7 without any remainder?

26. Draw and shade a square of 36 square units, on the grid below.

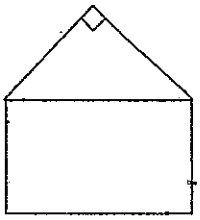


27. What fraction of the fruits are bananas?

Express your answer in the simplest form.

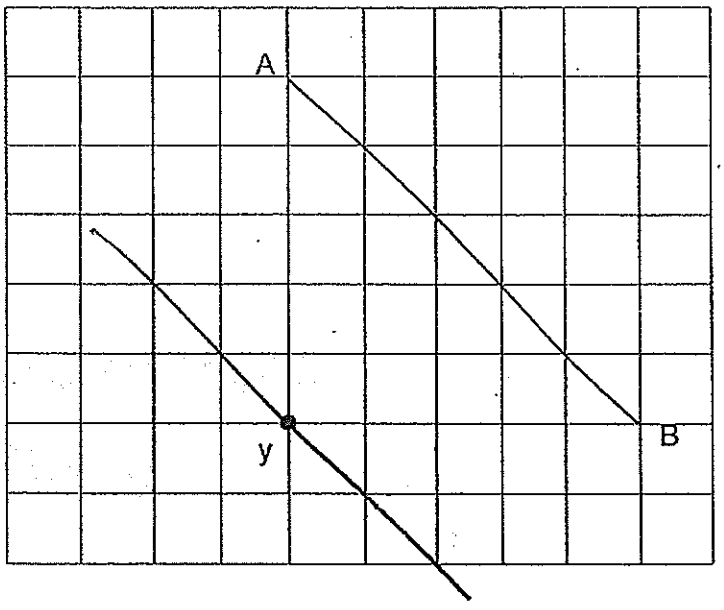


28. The figure below is made up of a right-angled triangle and a rectangle. How many pairs of perpendicular lines are there in the figure?



29. What is the value of $\frac{1}{2} + \frac{7}{8}$?
Express your answer as a mixed number in the simplest form.

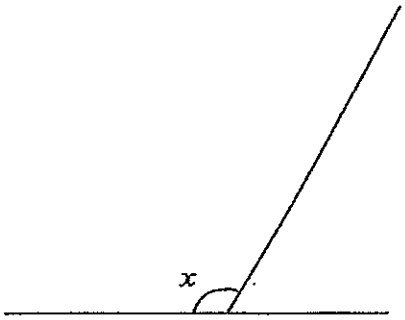
30. AB is a straight line. Draw a line parallel to the line AB through the point Y.



31. The perimeter of a square is 96 cm. What is the area of the square?

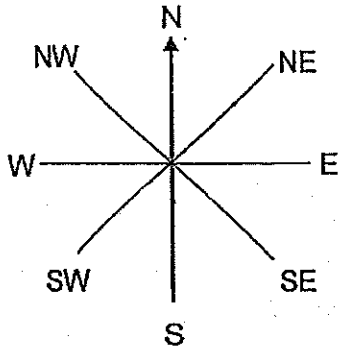
cm^2

32. Measure and write down the size of $\angle x$.



°

33. Jonathan is standing in the middle of the 8-point compass. After turning clockwise through 225°, he is facing South-West. Which direction was he facing at first?

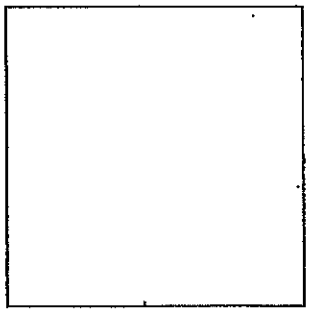


34. In the month of May, John spent $320 on food. He spent $70 more on rent than on food.
His savings was exactly half his expenditure on rent.
Complete the table below to show the information given above.

Expenditure	Amount ($)
Food	320
Rent	
Savings	

35. Shan had 21 erasers. She gave $\frac{2}{3}$ of them to her cousins. How many erasers had she left?

36. Zack is taking his 1 600 m run in the square field below.
How many rounds must he run in order to complete the test?
(1 complete round = 1 square field)

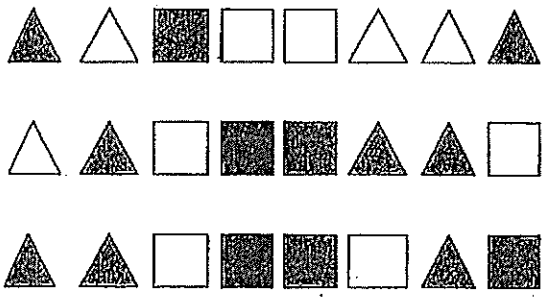


37. Mrs Lee needs $\frac{2}{5}$m of ribbon to decorate a greeting card. What is the length of ribbon she needs to make 4 such greeting cards?

Express your answer in the simplest form.

m

38. What fraction of the shapes are shaded triangles?
Give your answer in the simplest form.



39. Mrs Suhaimi bought a pizza and cut it into 8 equal slices.

She ate 2 slices of the pizza.

Her 3 children shared the rest of the pizza equally.

What fraction of the pizza did each child get?

Express your answer in the simplest form.

40. Siti had some beads. She used $\frac{1}{3}$ of her beads to make a necklace.

She then used $\frac{1}{6}$ of her beads to make a pendant.

If she used 10 more beads to make the necklace than the pendant, how many beads did she have at first?

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.

---

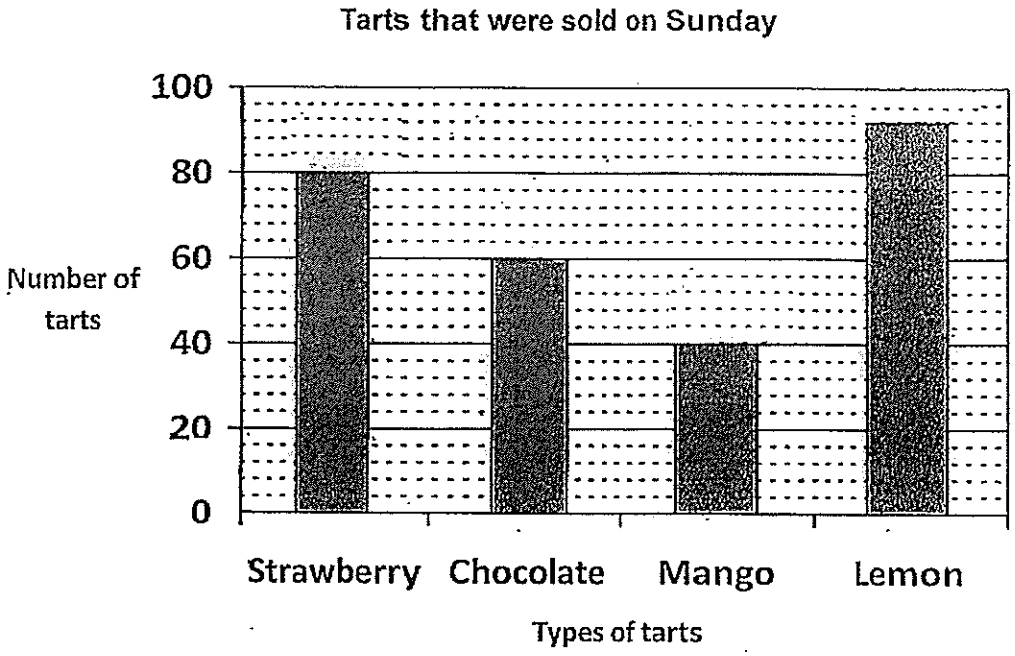
41. Mrs Ng bought 6 packets of sweets.

In each packet, there were 48 sweets.

If all the sweets were repacked into bags of 9, how many bags would she need?

Answer: _____ (4 m)

42. Kelly baked and sold four types of tarts last Sunday. She charted each type of tarts that was sold.



a) Which type of tart was the most popular?

b) If she sold each tart for $3, how much money did she make altogether?

Answer: a) _____ (1 m)

b) _____ (3 m)

43. Zheng He arrived in Quan Zhou with his treasure case filled with necklaces, bracelets and rings.

$\frac{3}{7}$ of the items were necklaces.

There was an equal number of rings and bracelets.

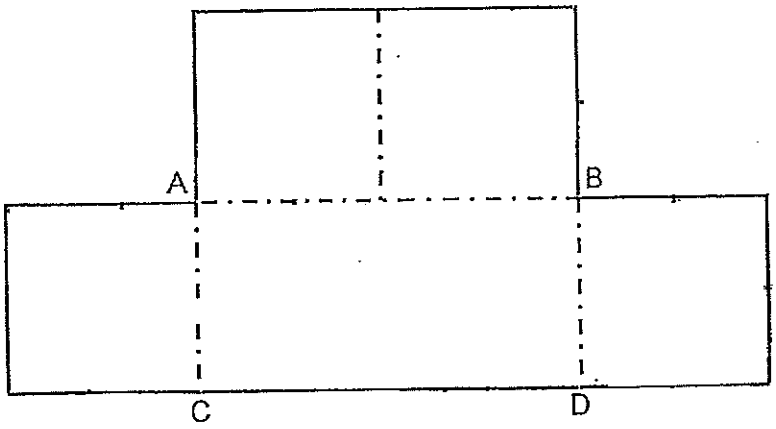
If there were 132 bracelets, how many items were there in the treasure case?

Answer: _____ (4 m)

44. The mass of Jane, Kenny and Lisa is 178 kg.
Kenny is heavier than Lisa.
The difference between Kenny's mass and Lisa's mass is 54 kg.
If Jane is twice as heavy as Lisa, find Kenny's mass.

Answer: _____ (4 m)

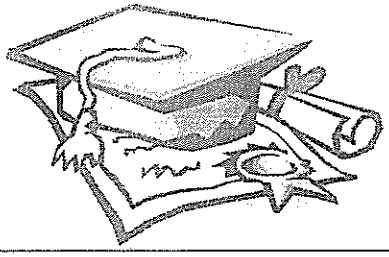
45. A 120-cm long wire was bent to form the outline of the shape shown below.
It is made up of a rectangle ABCD and 4 similar squares.
Find the area of rectangle ABCD.



Answer: _____(4 m)

~END OF PAPER~

Have you checked your work thoroughly?



ANSWER SHEET

EXAM PAPER 2014

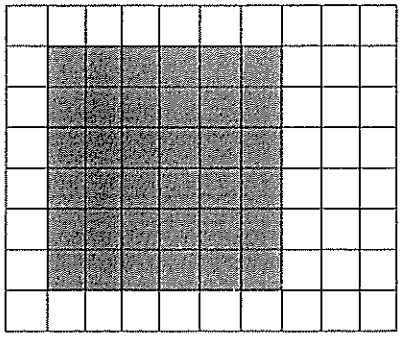
SCHOOL : ROSYTH PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

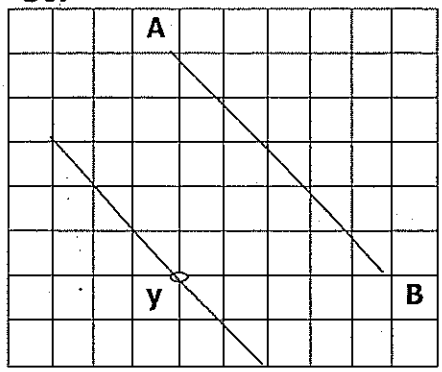
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	3	4	1	2	3	2	4	2	2	4	1	1	4	3	2	2

Q18	Q19	Q20
1	4	2

21. 60000
22. 12
23. 6, 12
24. 5351
25. 994
26.



27. 7/12
28. 5
29. 1 3/8
30.



31. 576
32. 120
33. North
34. 390
    195
35. 7
36. 2
37. 1 3/5
38. 1/3
39. ¼
40. 60

41. 48 x 6 = 288
    288 ÷ 9 = 32

42. a) Lemon
    b) 92 x 3 = $816

43. 132 ÷ 2 = 66
    66 x 7 =462

44. 3 x 54=162
    178+162 = 340
    340÷4=85

45. 120 ÷ 12 = 10
    10x2 = 20
    20x10= 200