Rosyth School
Second Semestral Assessment 2011
Mathematics
Primary 4

100

Name: _____

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

Date: 24th October 2011 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).

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

* This paper consists of 17 pages altogether.

Section A (40 marks)
For each question, 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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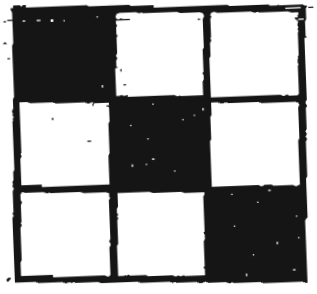
1. In which of the following numbers does the digit 6 stand for 600?
   (1) 1 026
   (2) 2 364
   (3) 3 697
   (4) 6 521

2. 22 thousands and 3 tens is the same as _____.
   (1) 223
   (2) 2 230
   (3) 22 003
   (4) 22 030

3. 41 758 rounded off to the nearest hundred is_____.
   (1) 41 700
   (2) 41 760
   (3) 41 800
   (4) 42 000

4. The figure shown is made up of identical squares.
   What fraction of the figure is shaded?
   (1) $\frac{3}{6}$
   (2) $\frac{3}{9}$
   (3) $\frac{6}{9}$
   (4) $\frac{3}{8}$



5. $\frac{1}{3} + \frac{1}{12} =$ ☐

(1) $\frac{1}{36}$

(2) $\frac{1}{15}$

(3) $\frac{5}{12}$

(4) $\frac{2}{15}$

6. In the number 23.41, the digit_____, is in the tenths place.

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

7. Stella has 7 packets of flour. Each packet contains 1.05 kg of flour. What is the total amount of flour she has?

(1) 7.05 kg
(2) 7.35 kg
(3) 7.305 kg
(4) 73.5 kg

8. 4 boys share 24.32 kg of rambutans equally. What is the mass of the rambutans each boy receives?

(1) 6.08 kg
(2) 6.8 kg
(3) 60.8 kg
(4) 60.08 kg

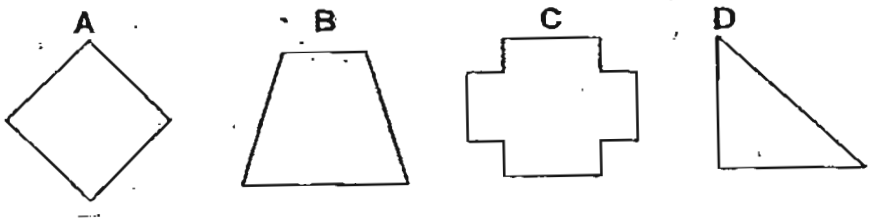
9. In a class of 40 pupils, $\frac{1}{2}$ of the pupils go to school by bus. 12 of them walk to school and the rest take the car to school. How many pupils come to school by car?

(1) 8
(2) 14
(3) 20
(4) 28

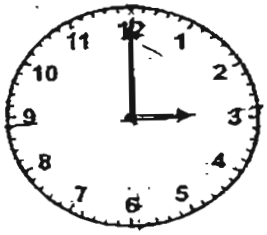
10. Adam spent $\frac{3}{8}$ of his salary on food, $\frac{1}{2}$ of it on transport and saved the remainder. What fraction of his salary did he save?

(1) $\frac{1}{8}$
(2) $\frac{2}{5}$
(3) $\frac{1}{2}$
(4) $\frac{7}{8}$

11. Which of the following figure(s) has / have at least two pairs of parallel lines?



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

12. 

The time shown on the clock above is 3 o'clock.
How many right-angle turns would the minute hand make if the clock shows a quarter to 4?

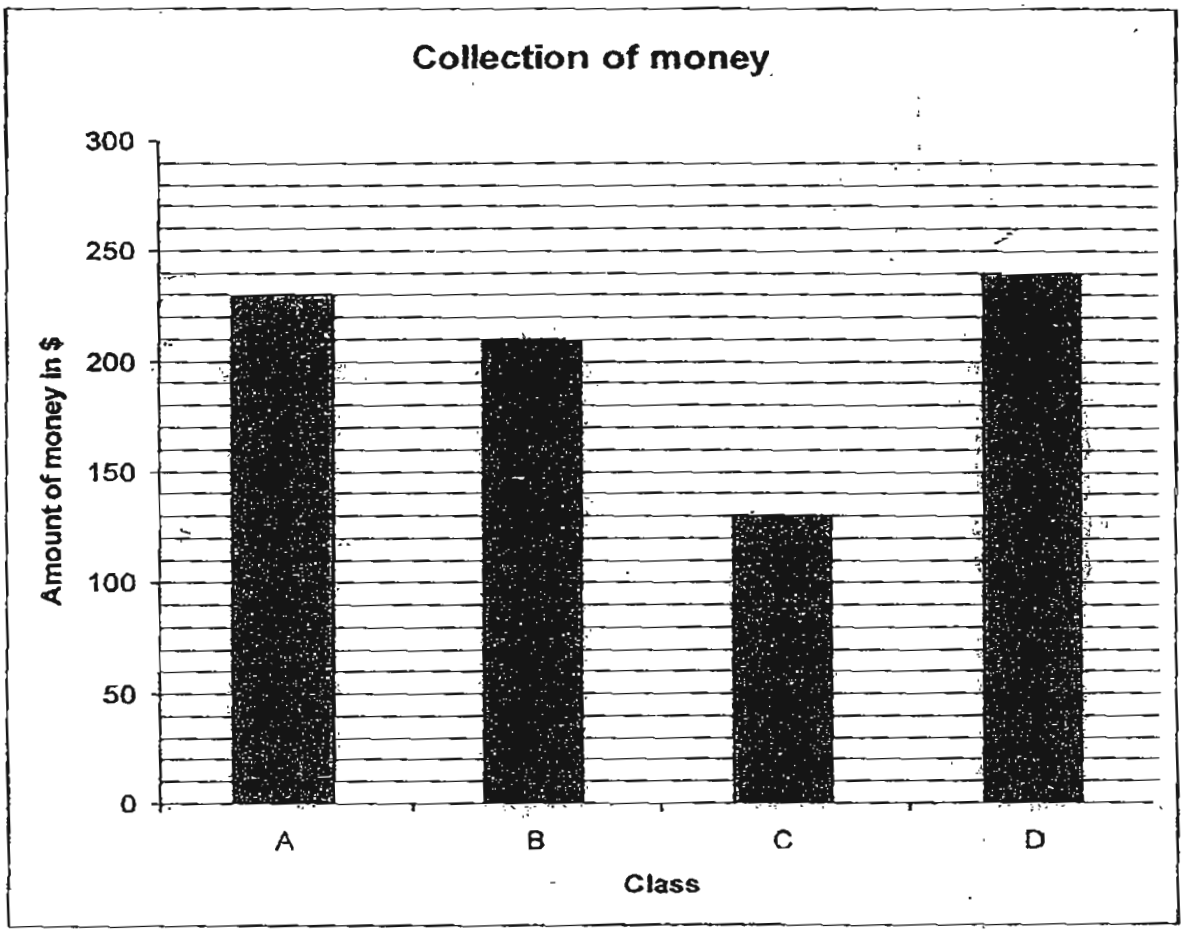
(1) 1
(2) 2
(3) 3
(4) 4

13. Which of the following letters do not have perpendicular lines in them?

F E H N

(1) F
(2) E
(3) H
(4) N

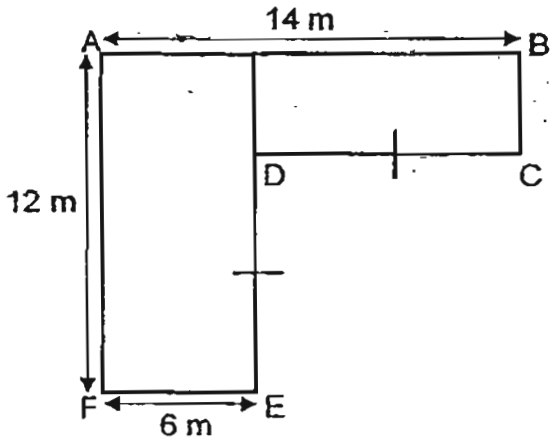
Study the bar graph below and use the information to answer question 14 and 15.



14. How much more money did Class A collected than Class C?
    (1) $ 100
    (2) $ 130
    (3) $ 230
    (4) $ 360

15. What is the total amount of money collected?
    (1) $ 710
    (2) $ 711
    (3) $ 810
    (4) $ 811

16. The figure below is not drawn to scale. It is made up of 2 different rectangles. The line DC is equal to the line DE. What is the area of the figure?



(1) 72 m²
(2) 84m²
(3) 104m²
(4) 168m²

17. Joy took 35 minutes to bake a chocolate cake. She started baking at 1340. At what time did she finish baking the cake?

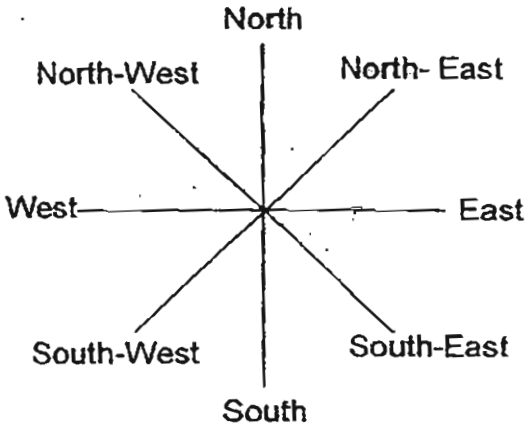
(1) 1305
(2) 1315
(3) 1375
(4) 1415

18. Sue bought some pens. $\frac{5}{8}$ of the pens were red and the rest were blue.

If there were 24 blue pens, how many red pens were there?

(1) 15
(2) 21
(3) 40
(4) 60

19. Ron was facing South-East. He turned anti-clockwise and is now facing West. What is the angle that Ron turned?



(1) 90°
(2) 135°
(3) 180°
(4) 225°

20. Jane has 28 m of ribbon. She gives her mother 3.6 m of the ribbon and cuts the remaining ribbon into 4 equal lengths. How long is each length of the ribbon?
(1) 6.1 m
(2) 7.9 m
(3) 18.4 m
(4) 24.4 m

Section B (40 marks)

For each question, 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. Questions 21 to 40 carry 2 marks each.

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21. Write fifteen thousand, eight hundred and six in figures.

22. Two factors of 15 are 1 and 15. What are the other two factors of 15?

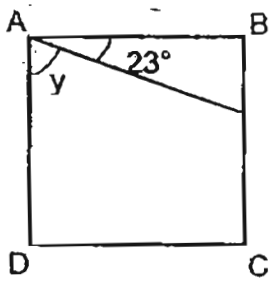
23. $\frac{3}{5} = \frac{\square}{10}$

What is the missing number in the box?

24. Write $\frac{26}{6}$ as a mixed number in its simplest form.

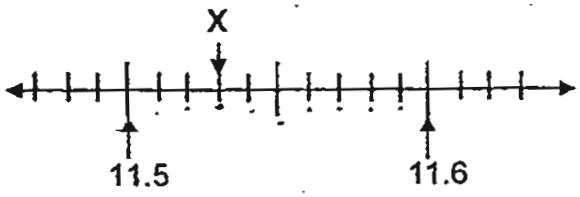
25. Find the value of $\frac{1}{2}-\frac{1}{8}$.

26 In the figure not drawn to scale, ABCD is a square.
Find the value of $\angle y$.



°

27. Write the decimal represented by X.



28. Express 0.8 as a fraction.

29. Round off 15.36 to the nearest tenth.

30. Arrange the following numbers in order from the smallest to the greatest.

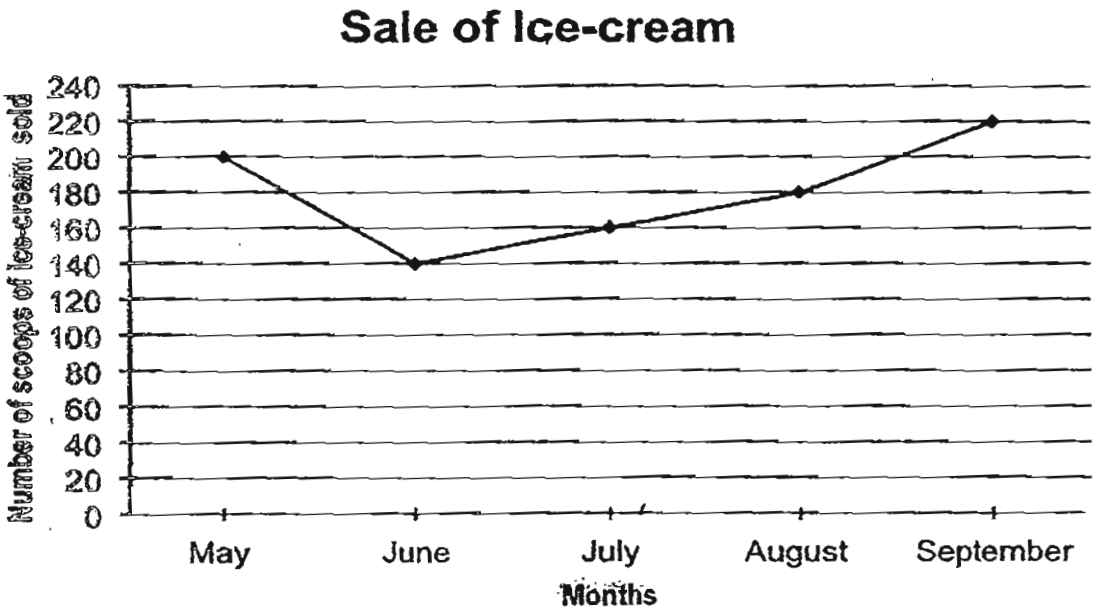
0.205 , 2.5 , 0.53 , 2.053

_____ , _____ , _____ , _____

smallest greatest

31. How many fifths are there in 4 whole?

Study the graph below and use the information to answer question 32 and 33.



32. Find the difference between the number of scoops of ice-cream sold in June and August.

33. If each scoop of ice-cream cost $2, how much was collected from the sale of ice-cream in July?

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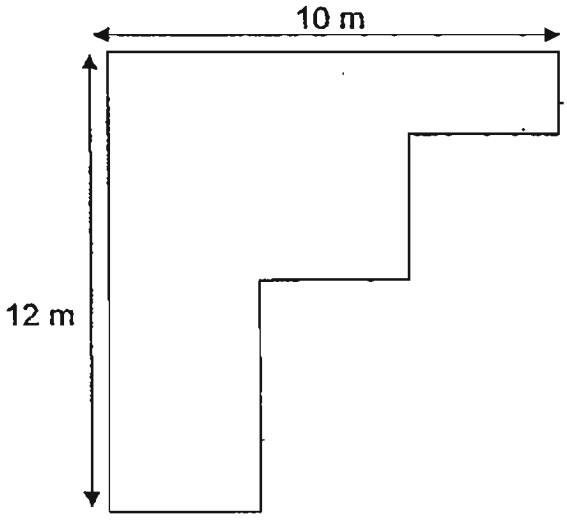
34. Find the perimeter of the figure below.
(Figure is not drawn to scale)



m

35. Max has a rectangular cardboard measuring 13 cm by 12 cm. He wants to cut out smaller squares each measuring 2 cm by 2 cm from it. What is the maximum number of small squares that can be cut out from rectangular cardboard?

36. Billy attended school from 7.30 a.m. to 3.00 p.m.
He spent 30 minutes having recess and another 30 minutes having lunch.
How much time did he spend having lessons?

h min

37. Charles jogged 3.25 km on Monday.
He jogged 0.68 km more on Monday than on Tuesday.
What was the total distance that he jogged on both days?

km

38. Mrs Tan bought 3 packets of sugar each weighing 8.24 kg.
She gave all the sugar equally to her 4 friends.
How many kilograms of sugar did each friend receive?

kg

39. John and Cindy had 214 stamps altogether.
If Cindy gave 34 stamps to John, they would have an equal number of stamps.
How many stamps did John have at first?

40. 6 pencils cost as much as 3 files.
If 2 files and 2 pencils cost $6.30, what is the cost of 1 file?

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Section C (5 x 4 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 are given in the brackets.

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41. Jordan bought an equal number of plates and bowls.
One bowl cost $3 less than one plate.
Jordan paid $54 more for the plates.
Find the total number of plates and bowls Jordan bought.

Answer: _____ (4 m)

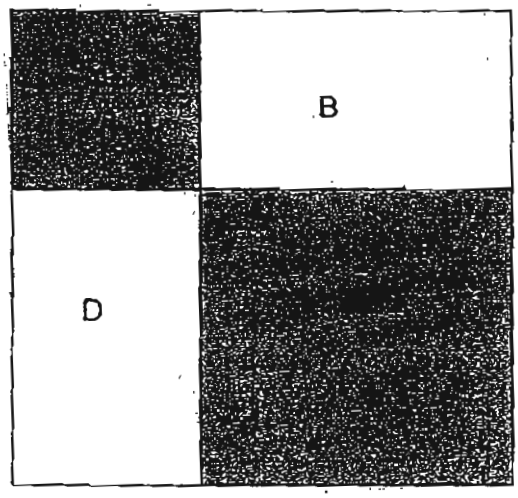
42. Ahmad, Bob and Clark shared 800 marbles.
Ahmad receives 46 more marbles than Bob.
Clark receives 18 more marbles than Ahmad.
How many marbles did Clark receive?

Answer: _____ (4 m)

43. Amanda had 285 more straws than Betty at first.
Amanda bought another 75 straws.
As a result, Amanda now has 3 times as many straws as Betty.
How many straws did Amanda have at first?

Answer: _____ (4 m)

44. In the figure (not drawn to scale) below, the area of square A is 4 cm^2.
The area of square C is 36 cm^2.
Find the total area of rectangle B and rectangle D.



Answer: _____ (4 m)

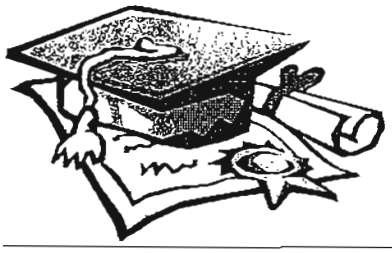
45. Dan earned $1200 a month.

He spent $\frac{2}{5}$ of his salary to buy a camera and saved the rest.

In that same month, Mark saved $\frac{1}{5}$ of what Dan saved.

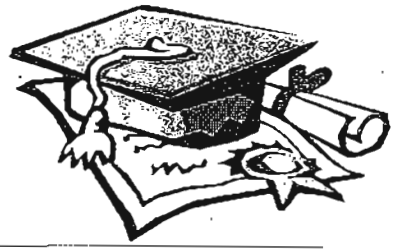
How much did Mark save that month?

Answer: _____(4 m)



ANSWER SHEET

EXAM PAPER 2011



SCHOOL : ROSYTH
SUBJECT : PRIMARY 4 MATHEAMATICS

TERM : SA2

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

Q18	Q19	Q20
3	4	1

21)15806 **22)3 and 5** **23)6** **24)$4\frac{1}{3}$** **25)3/8**

26)67° **27)11.53** **28)4/5** **29)15.4** **30)0.205, 0.53, 2.053, 2.5**

31)20 **32)40** **33)$320** **34)44m** **35)36**

36)6h 30min **37)7.18km** **38)6.18kg** **39)73** **40)$2.10**

41)54 ÷ 3 = 18
18 + 18 = 36
Jordan bought 36 plates and bowls.

42)46 + 46 = 92
92 + 18 = 110
800 – 110 = 690
1u → 690 ÷ 3 = 230
Clark → 230 + 46 = 276
276 + 18 = 294
Clark received 294 marbles.

43)285 + 75 = 360
1u → 360 ÷ 2 = 180
1u → 180
At first → 1u + 285
180 + 285 = 465
Amanda had 465 straws at first.

44)square B → 6 x 2 = 12
square D → 6 x 2 = 12
total area → 12 + 12 = 24
The total area of rectangle B and rectangle D is 24cm2

45)1u → 1200 ÷ 5 = 240
D save → 240 x 3 = 720
M save → 720 ÷ 5 = 144
1u → 144
Mark saved $144 that month