Rosyth School
Second Semestral Assessment 2012
Mathematics
Primary 4

Total 100

Name: _____

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

Date: 22nd October 2012 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 18 pages altogether (including cover page)

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 which of the following numbers does the digit 9 stand for 9 000?

   (1) 10 090
   (2) 10 900
   (3) 19 000
   (4) 91 000

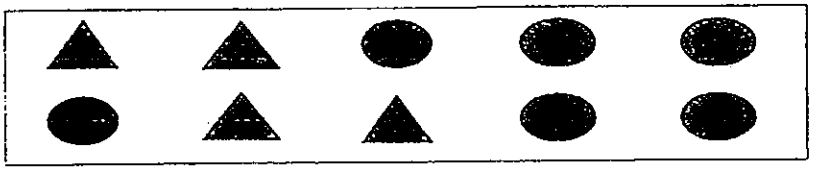
2. Thirty-five thousand and sixty-four in numerals is:

   (1) 35 046
   (2) 35 064
   (3) 35 460
   (4) 35 640

3. 43 953 rounded off to the nearest hundred is _____.

   (1) 43 000
   (2) 43 900
   (3) 43 950
   (4) 44 000

4. What fraction of the shapes in the box are  ?



   (1) $\frac{4}{10}$
   (2) $\frac{4}{6}$
   (3) $\frac{3}{5}$
   (4) $\frac{6}{4}$

5. $\frac{1}{3} + \frac{1}{9} = \square$

What is the missing number in the box?

(1) $\frac{1}{27}$

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

(3) $\frac{2}{9}$

(4) $\frac{4}{9}$

6. In which of the following numbers does the digit 3 stands for 3 tenths?

(1) 17.35

(2) 23.48

(3) 35.59

(4) 46.23

7. How many quarters are there in $3\frac{1}{4}$?

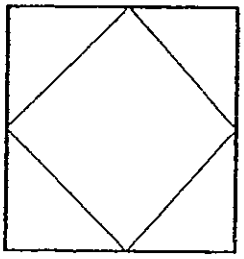
(1) 1

(2) 13

(3) 3

(4) 31

8. The figure below is made up of 2 squares. (Not drawn to scale)
How many right angles are there inside the figure?



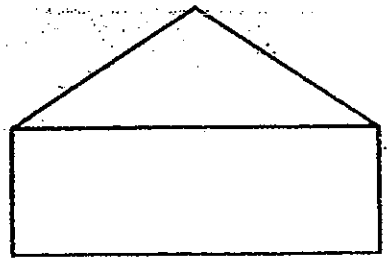
(1) 8

(2) 12

(3) 16

(4) 4

9. The figure below is made up of a triangle and a rectangle.
How many pairs of parallel lines are there in the figure?



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

10. 10.65 x 8 = ☐

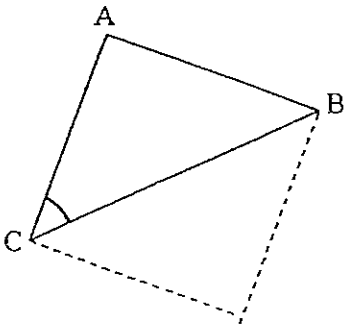
What is the number in the box?

(1) 80.20
(2) 85.20
(3) 8 020
(4) 8 520

11. Amy took 38 seconds to complete a math question. She took 46 seconds to complete another question. What was the total time she took to complete both math questions?

(1) 1 minute 4 seconds
(2) 1 minute 14 seconds
(3) 1 minute 24 seconds
(4) 1 minute 34 seconds

12. Sam took a square piece of paper and folded it in half into a triangle as shown below. What is ∠ ACB?



(1) 45°
(2) 50°
(3) 90°
(4) 135°

13. $5.009 = 5 + \frac{9}{\square}$

What is the missing number in the box?

(1) 1

(2) 10

(3) 100

(4) 1000

14. How many right angles would a minute hand have moved if it moved from 3.45 p.m. to 4.30 p.m.?

(1) 1

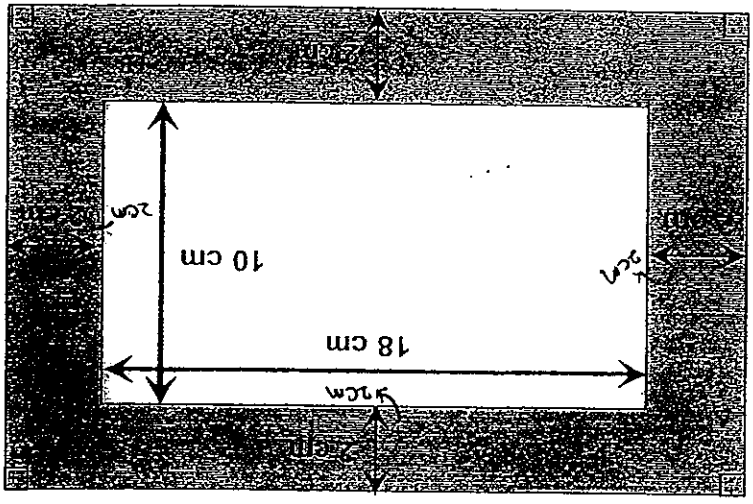
(2) 2

(3) 3

(4) 4

15. A photograph measuring 18 cm by 10 cm was placed on a wooden frame. Find the area of the wooden frame not covered by the photograph.

(The figure is not drawn to scale)



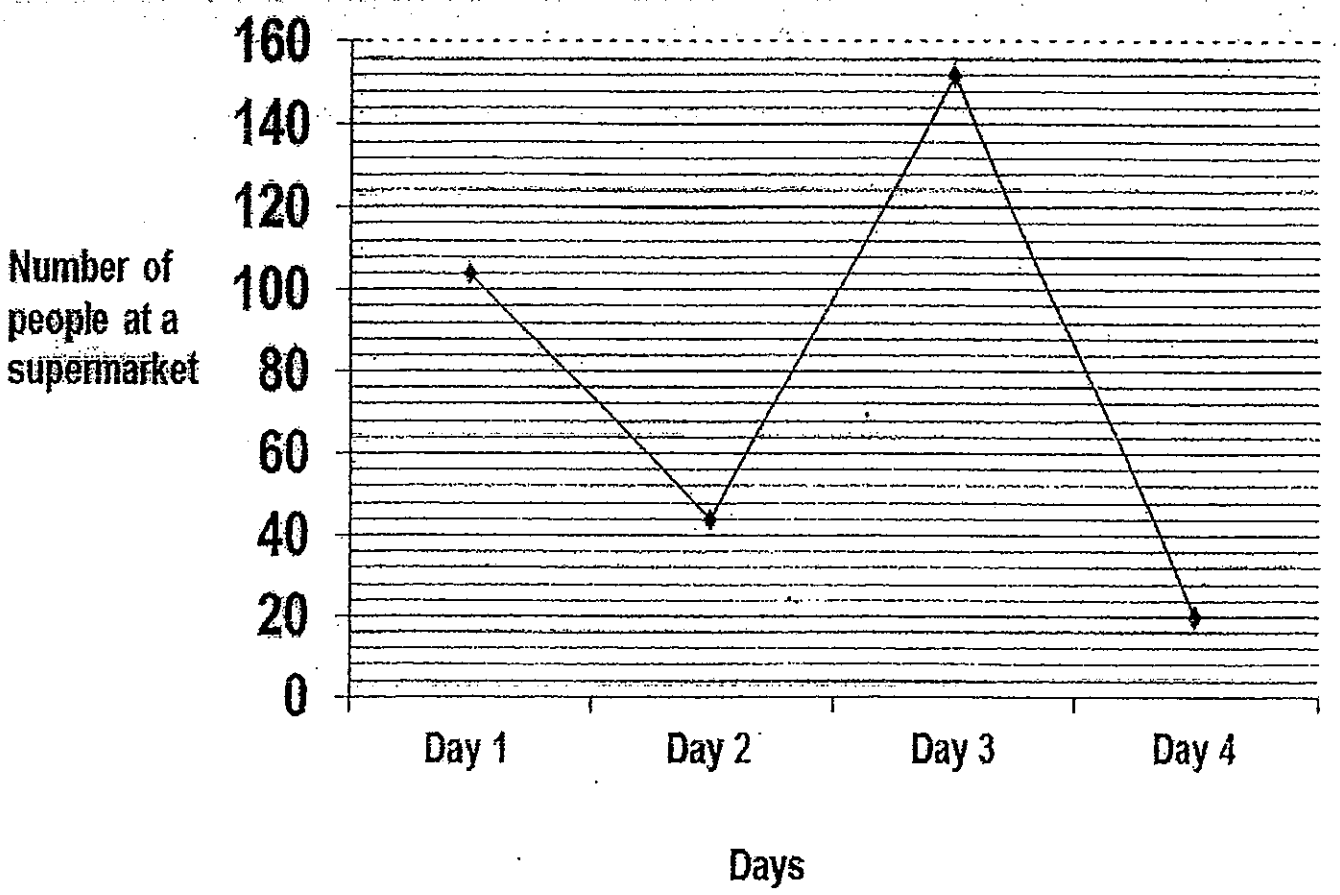
(1) 128 cm²

(2) 180 cm²

(3) 240 cm²

(4) 308 cm²

The line graph shows the number of people at a supermarket on 4 different days. Study the graph carefully and answer questions 16 and 17.



16. How many people went to the supermarket on Day 3?

(1) 146
(2) 150
(3) 152
(4) 155

17. How many more people went to supermarket on Day 2 than on Day 4?

(1) 16
(2) 18
(3) 24
(4) 30

18. There are 480 people in a carnival. $\frac{5}{8}$ of them are adults and the rest are children. $\frac{2}{3}$ of the children are girls. How many girls are there?

(1) 60
(2) 120
(3) 180
(4) 300

19. Jamie had some money. She spent $\frac{4}{9}$ of her money on a handbag. If the handbag cost $36, how much money did she have at first?

(1) $ 9
(2) $16
(3) $ 81
(4) $108

20. 1 ruler cost as much as 3 erasers. Amanda paid $2.00 for 1 ruler and 5 erasers. Find the cost of 1 eraser.

(1) 20¢
(2) 25¢
(3) 40¢
(4) 50¢

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. 64 078 = 60 000 + 4000 + _____ + 8

What is the missing number?

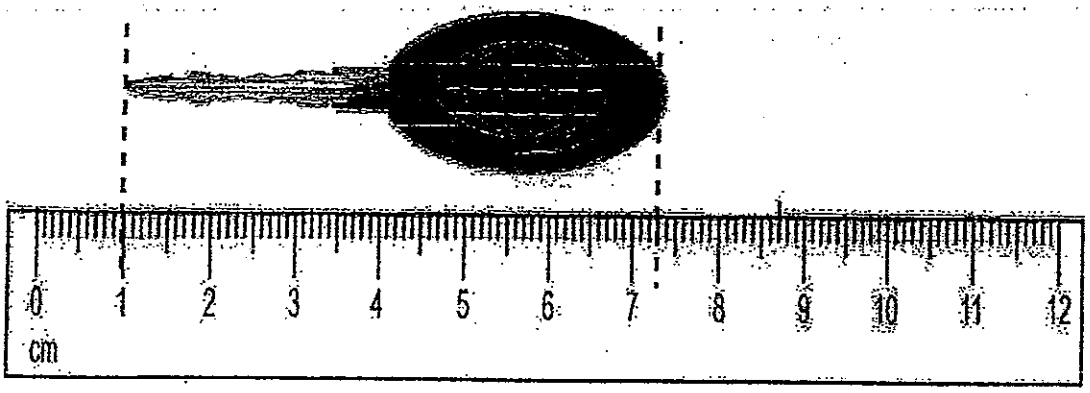
22. What is the first common multiple of 5 and 7?

23. Arrange the following decimals from the **smallest** to the **greatest.**

40.6 , 0.64 , 60.4 , 0.46

24. In the number 67.315, the digit _____ is in the thousandths place.

25. In the figure below, what is the length of the key?



cm

26. Write $\frac{16}{3}$ as a mixed number.

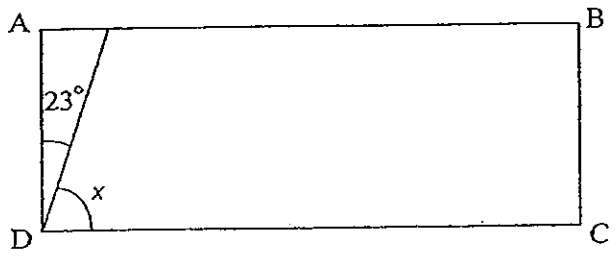
27. $\frac{5}{6} = \frac{\square}{12}$

What is the missing number in the box?

28. $\frac{4}{5} - \frac{7}{10} = \square$

What is the missing fraction in the box?

29. ABCD is a rectangle. Find $\angle x$.



30. Round off 142.65 to the nearest 1 decimal place.

31. Mrs Tan had $1\frac{1}{3}$ kg of meat. She cooked $\frac{5}{6}$ kg of meat for dinner.
How much meat was left? Give your answer in the simplest form.

kg

32. 138.45 − 29.06 = _____

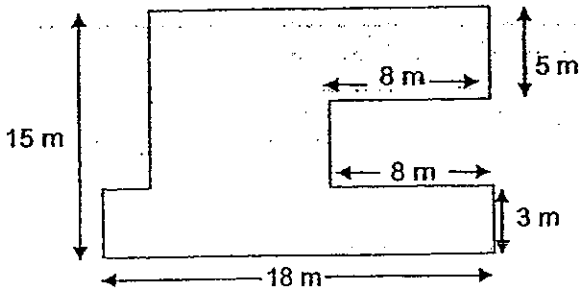
33. Write $\frac{7}{20}$ as a decimal.

34. David left the house at 07 30. He travelled for 1 h 25 min to get to his office.
When he left the office, it was 16 55. How long was he in his office?

h min

107

35. Find the perimeter of the figure (not drawn to scale) below.



m

36. Mary had 15.8 kg of flour. She packed it into 5 equal packets. How much flour was in each packet?

kg

37. Ali bought 3 files and 2 notebooks for $48.50. If he paid $10.50 for each file, how much did,each notebook cost?

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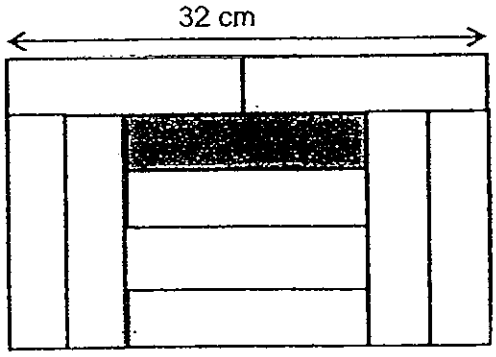
The table below shows SA2 exam results for 4 students. Study the table carefully and answer questions 38 and 39.

	Student A	Student B	Student C	Student D
English	78	86	90	81
Mathematics	87	79	71	82
Science	80	80	79	87
Mother Tongue	85	84	82	82

38. Which student has the highest total score?

39. If student B's target was to score a total of 350, how many more marks must he get in order to achieve his target?

40. The figure below (not drawn to scale) is made up of identical rectangles. Find the area of the shaded rectangle.



cm^2

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. Helen bought 8 packets of sweets from a shop. After she repacked them into 29 bags of 7 sweets in each bag, she had 5 sweets left. How many sweets were there in each packet that she bought from the shop?

Answer: _____ (4 m)

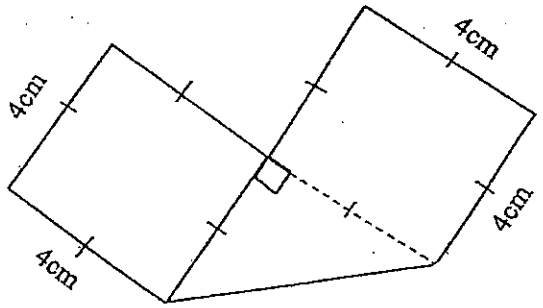
42. A box with 3 identical vases weighed 4.1 kg. When another 2 identical vases were added, the total mass became 6.5 kg. Find the mass of the box.

Answer: _____ (4 m)

43. A rectangular piece of paper is folded to form the shape shown below (not drawn to scale).

(a) What is the perimeter of the rectangular piece of paper when it is unfolded?

(b) What is the area of the rectangular piece of paper when it is unfolded?



Answer: (a)_____ (2 m)

(b)_____ (2 m)

44. Ali bought some pens. $\frac{1}{4}$ of them were blue pens. $\frac{5}{8}$ of them were black pens and the rest were green pens. He bought 6 more black pens than blue pens. How many pens did he buy altogether?

Answer: _____ (4 m)

113

45. Seven years ago, Figo was 4 times as old as Gina. Their total age now is 54 years. How old is Figo now ?

Answer: _____ (4 m)

~END OF PAPER~

Have you checked your work thoroughly?

Answer Ke

EXAM PAPER 2012

SCHOOL : ROSYTH
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
2	3	2

21)70 22)35 23)0.46, 0.64, 40.6, 60.4 24)5 25)6.3cm

26)$5\frac{1}{3}$ 27)10 28)1/10 29)67° 30)142.7 31) ½ kg

32)109.39 33)0.35 34)8h 0 min 35)82m 36)3.16kg

37)$8.50 38)Student D 39)21 40)64cm^2

41)Number of sweets in 29 bags→29 x 7 = 203
Total number of sweets→203 + 5 = 208
Number of sweets in 1 packet→208÷8 = 26

42)2 vases→6.5 – 4.1 = 2.4
1 vase→2.4÷2 = 1.2
3 vase→1.2 x 3 = 3.6
Box→4.1 – 3.6 = 0.5kg

43)a)Perimeter→4 x 8 = 32cm
b)Length→4 x 3 = 12
Breadth→4
Area→ 12 x 4 = 48cm2

44)3u→6
1u→2
8u→2 x 8 = 16 pens

45)5u→40
1u→
4u→8 x 4 =32
Now figo→32 + 7 = 39