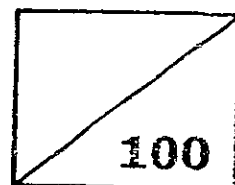




Rosyth School
First Semestral Assessment 2008
Mathematics
Primary 4

Name: _____



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

Date: 9th May 2008 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 19 pages altogether.

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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. What is the value of the digit 8 in 6845?

- (1) 8
- (2) 80
- (3) 800
- (4) 8000

2. In which of the following is the digit 7 in the thousands place?

- (1) 17 549
- (2) 24 072
- (3) 36 758
- (4) 72 659

3. Which of the following has the greatest value?

- (1) $340 \times 1 =$
- (2) 340×10
- (3) 34×100
- (4) 34×1000

4. Complete the number pattern

23 200, 23 500, _____, 24 100

(1) 23 600

(2) 23 700

(3) 23 800

(4) 23 900

5. 12 349 when rounded off to the nearest 100 is _____

(1) 12 000

(2) 12 300

(3) 12 350

(4) 12 400

6. Which number is a common multiple of 2 and 3?

(1) 9

(2) 8

(3) 6

(4) 4

7. How many quarters are there in $\frac{9}{12}$?

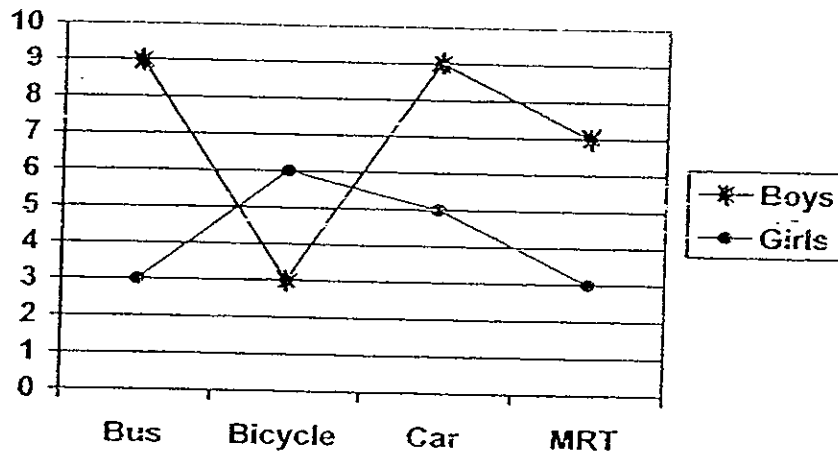
(1) 6

(2) 2

(3) 3

(4) 9

8. Refer to the line graph below :

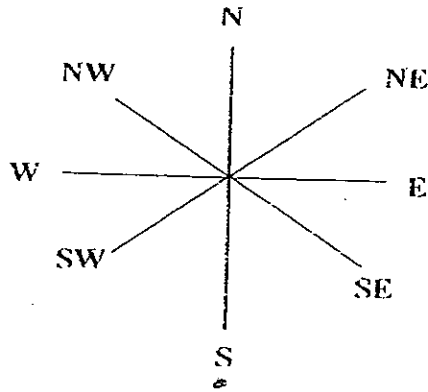


The graph shows the number of pupils taking different types of transport home in a primary four class.

What is the total number of pupils taking the bus home?

- (1) 9
- (2) 10
- (3) 11
- (4) 12

For Questions 9 and 10, please refer to the 8-point compass below.



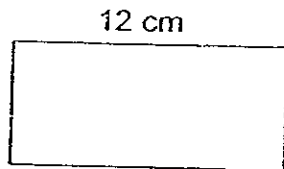
9. Adam is standing in the middle of the 8-point compass facing South. Where will he be facing if he makes a $\frac{1}{4}$ -turn to his right?

- (1) West
- (2) South-West
- (3) East
- (4) South-East

10. Adam is now facing North. How many degrees will he need to turn to face South-East?

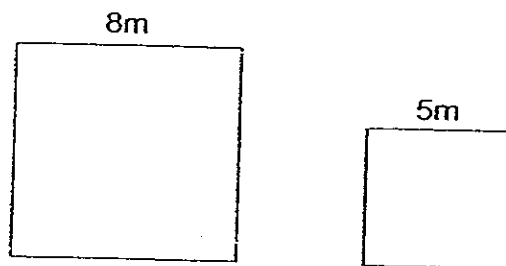
- (1) 45°
- (2) 90°
- (3) 135°
- (4) 180°

11. What is the area of a rectangle of length 12 cm when its breadth is half its length?



- (1) 24 cm^2
- (2) 36 cm^2
- (3) 48 cm^2
- (4) 72 cm^2

12. What is the difference in area between the 2 squares below?



- (1) 25 m^2
- (2) 39 m^2
- (3) 64 m^2
- (4) 89 m^2

13. The figure below shows a rectangle. It is not drawn to scale. Its perimeter is 48 cm. Find its length.



- (1) 12 cm
- (2) 20 cm
- (3) 24 cm
- (4) 40 cm

14. Sanjay spent \$8 and saved the rest. If he saved \$4, what fraction of the money did he spend?

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

15. A book costs 4 times as much as a pencil case. The book costs \$20.
How much does it cost to buy a book and a pencil case?

- (1) \$4
- (2) \$5
- (3) \$16
- (4) \$25

16. Kenny gave $\frac{3}{5}$ of his paper clips to his friends and $\frac{3}{10}$ of them to his brother. What fraction of the paper clips did he give away?

(1) $\frac{6}{10}$

(2) $\frac{9}{10}$

(3) $\frac{6}{15}$

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

17. Adam bought 5 kg of sugar. He used $1\frac{1}{4}$ kg of it to make a cake. How much sugar did he have left?

(1) $6\frac{1}{4}$ kg

(2) $4\frac{1}{4}$ kg

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

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

18. Lily had $\frac{5}{12}$ m of ribbon. She cut away $\frac{1}{6}$ m. What is the length of the ribbon left?

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

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

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

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

19. James had to repack his picture cards into packs of 5.

How many packs will there be if he has 235 picture cards?

(1) 45

(2) 47

(3) 50

(4) 51

20 Hasan's salary is \$4375. He gives \$700 to his parents, spends \$1540 and saves the rest. How much does he save?

(1) \$2025

(2) \$2135

(3) \$2835

(4) \$3675

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. Write in numeral:

Eighty one thousand, six hundred and nine.

22. Form the smallest four digit even number using all the digits listed below.

8, 1, 6, 5

23. Find the sum of all the factors of 8.

24. $1084 + 549$

Round off each of the above numbers to the nearest hundred. Then estimate the sum of the two numbers.

25. Express $\frac{35}{8}$ as a mixed number.

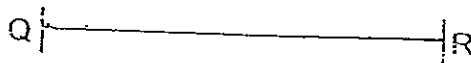
26. Express $5\frac{4}{9}$ as an improper fraction.

27. A bottle contains $\frac{1}{2}$ ℓ of apple juice. Kumar pours out $\frac{1}{8}$ ℓ of the juice. What is the amount of the apple juice left?

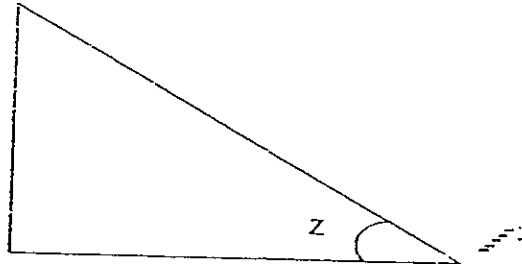
28. John bought 12 sweets. He ate 2 sweets and gave 7 sweets to his friends. What fraction of the sweets had he left? Give your answer in its simplest form.

29. 10 children ate $\frac{1}{4}$ of a pizza each. How many pizzas did they eat altogether? Give your answer in its simplest form.

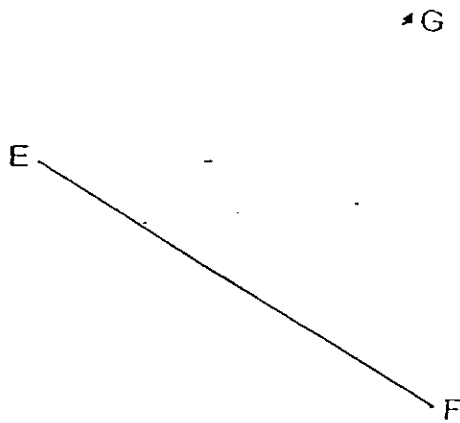
30. Using line QR drawn below, draw and label $\angle PQR = 65^\circ$.



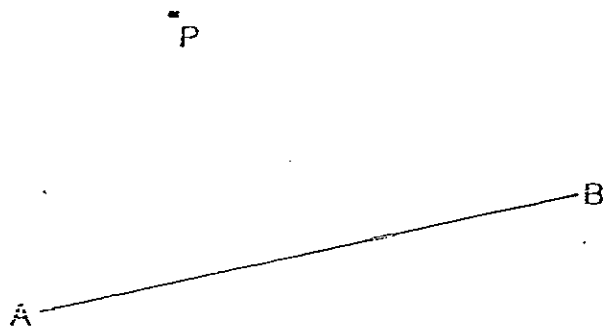
31. Measure $\angle z$ in the diagram shown below.



32. Draw a line perpendicular to EF through the point G.

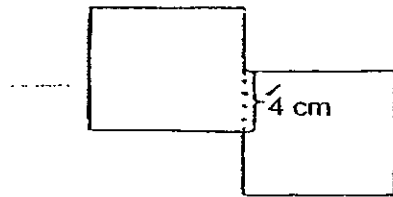


33. Draw a line parallel to line AB through the point P.

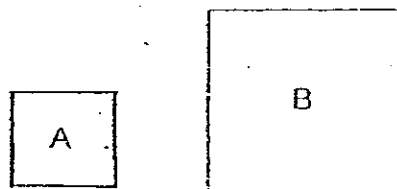


34. There are 200 apples in a box. $\frac{3}{8}$ of them are green apples and the rest of them are red apples. How many red apples are there?

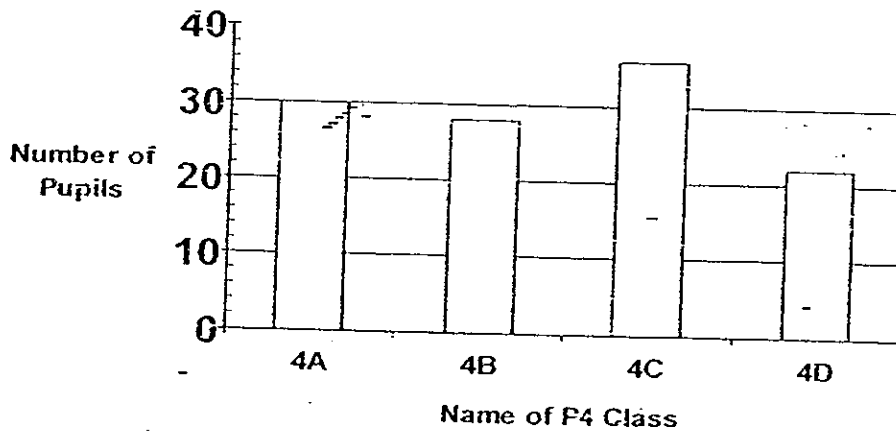
35. The figure below shows 2 identical squares. It is not drawn to scale. The area of a square is 64 cm^2 . Find the perimeter of the figure.

 cm


36. The figure below shows 2 squares. It is not drawn to scale. The perimeter of Square B is twice the perimeter of Square A. If Square B has a perimeter of 72 cm, find the area of Square A.

 cm^2


The bar graph shows the number of pupils who have internet access at home in four different classes. Study the graph carefully and answer questions ~~26~~ and ~~37~~
~~37~~ ~~38~~

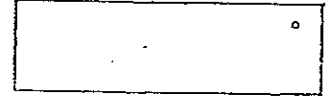
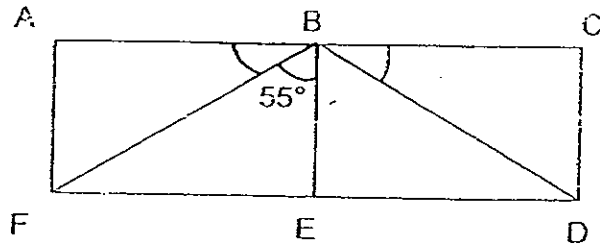


37. Complete the table to show the information given in the bar graph.

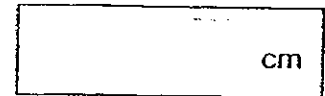
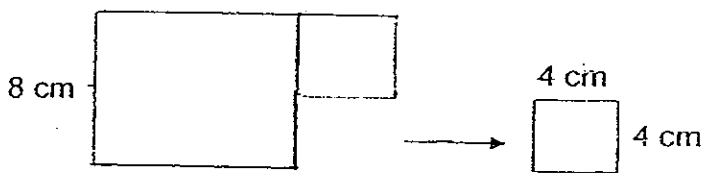
Class	4A	4B	4C	4D
With internet access	30	28		

38. If there are 161 pupils in these four classes, how many pupils do not have an internet access at home?

39. The figure below shows 2 identical rectangles, ABEF and BCDE. They are not drawn to scale. Find the sum of $\angle ABF$ and $\angle CBD$.



40. A square of side 4 cm has been cut out from a rectangular piece of paper as shown below. Only 6 such squares can be cut out exactly from the paper. Find the length of the rectangular piece of paper.



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. Hashim went fishing yesterday.

He caught $\frac{9}{10}$ kg of fishes. $\frac{1}{2}$ kg of fishes were large and the rest were small fishes. How many more kilograms of large fishes than small fishes were there?

Answer: _____ (4 m)

42. $\frac{2}{9}$ of the flowers in a shop were sunflowers, $\frac{1}{3}$ of them were tulips and the rest were roses.

(a) What fraction of the flowers were roses?

all of

(b) If there were 120 tulips, how many sunflowers and roses were there?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

43. There are 456 sweets. They are packed into small packets of 6 sweets each. These packets are then put into some similar containers. Each container can only hold 8 packets of sweets.

(a) How many packets of sweets are there?

(b) How many similar containers are needed to put all the packets of sweets in?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

44. Jenny has four times as many ribbons as Siti. They have 560 ribbons altogether.
- (a) How many more ribbons does Jenny have than Siti?
- (b) How many more ribbons should Siti buy so that she will have twice the number of ribbons as Jenny?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

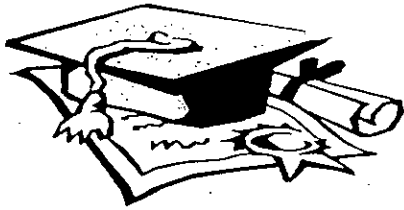
45. Dollah has a total of 38 notes. They are made up of \$2 notes and \$10 notes. He has 6 more \$10 notes than \$2 notes. He has \$252 in total.
- (a) How many \$2 notes does he have?
- (b) How many \$10 notes does he have?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

~END OF PAPER~

Have you checked your work thoroughly?



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : ROSYTH PRIMARY SCHOOL

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

Q18	Q19	Q20
3	2	2

21) 81609

22) 1568

23) 15

24) 1600

25) $4\frac{3}{8}$

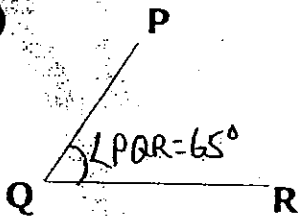
26) $49/9$

27) $3/8$

28) $\frac{1}{4}$

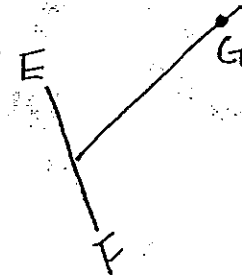
29) $2\frac{1}{2}$

30)

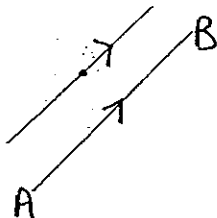


31) 30

32)



33)



34) 125

35) 56cm

36) 81cm^2

37) 36,22

38) 45 pupils

39) 70°

40) 12cm

41) $1/10\text{kg}$

42) a) $4/9$

b) 240

43) a) 76

b) 10

44) a) 336

b) 784

45) a) 16 \$2 notes

b) 22 \$10 notes