SA1

Rosyth School
First Semestral Assessment 2005
Mathematics
Primary 4

Total 100

Name: _____

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

Date: 10 May 2005 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 ____13____ pages altogel

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Section A (40 marks)

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

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1. 45 000 less than 63 000 is _____.

   (1) 180 (2) 1 800
   (3) 18 000 (4) 180 000

2. 4 is a factor of_____.

   (1) 112 (2) 134
   (3) 154 (4) 170

3. What is the first common multiple of 9 and 12 ?

   (1) 9 (2) 12
   (3) 24 (4) 36

4. $\frac{7}{3} = \frac{\square}{12}$. The missing numerator in the box is _____.

   (1) 7 (2) 14
   (3) 21 (4) 28

5. Which of the following is the smallest fraction?

   (1) $\frac{1}{2}$ (2) $\frac{1}{6}$

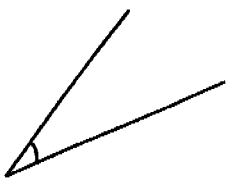
   (3) $\frac{1}{9}$ (4) $\frac{1}{3}$

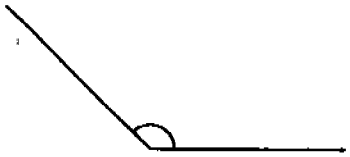
6. Change $5\frac{5}{8}$ to improper fraction.

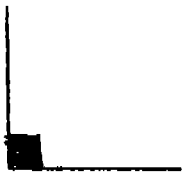
   (1) $\frac{25}{8}$ (2) $\frac{33}{8}$

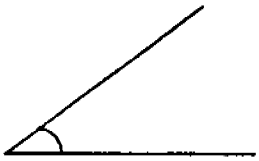
   (3) $\frac{40}{8}$ (4) $\frac{45}{8}$

7. Which of the following angles is bigger than a right angle?

(1) 

(2) 

(3) 

(4) 

8. How many pair(s) of parallel lines does a rectangle have?

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

9. 68 169 when rounded off to the nearest hundred is _____.

(1) 68 100
(2) 68 160
(3) 68 170
(4) 68 200

10. Which of the following sets of numbers has 8 as a common factor ?

~~(1)~~ 8 , 36 , 49
~~(2)~~ 16 , 24 , 72
~~(3)~~ 24 , 32 , 46
~~(4)~~ 32 , 49 , 64

11. What must be divided by 27 to give 9?

(1) 3
(2) 18
(3) 36
(4) 243

12. $\frac{3}{5}$ is the same as _____.

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

12

13. There are _____ thirds in 4 wholes.

(1) 3
(2) 6
(3) 12
(4) 16

Mrs Lim bought some buttons. The table shows the colour, number and size of the buttons that she had bought.
(The number of small blue buttons is not shown on the table).
Use the table to answer questions 14, 15 and 16.

Buttons	Big	Small
Red	15	8
Blue	12	?
Green	9	3

14. How many more red buttons than green buttons did Mrs Lim buy?

(1) 5
(2) 6
(3) 11
(4) 23

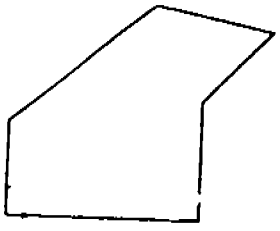
15. If Mrs Lim bought 52 buttons altogether, how many small blue buttons did she buy?

(1) 5
(2) 9
(3) 12
(4) 16

16. If 1 small button costs 30¢ and 1 big button costs 50¢, how much did Mrs Lim pay for all her green buttons?

(1) $0.90
(2) $4.50
(3) $5.40
(4) $6.00

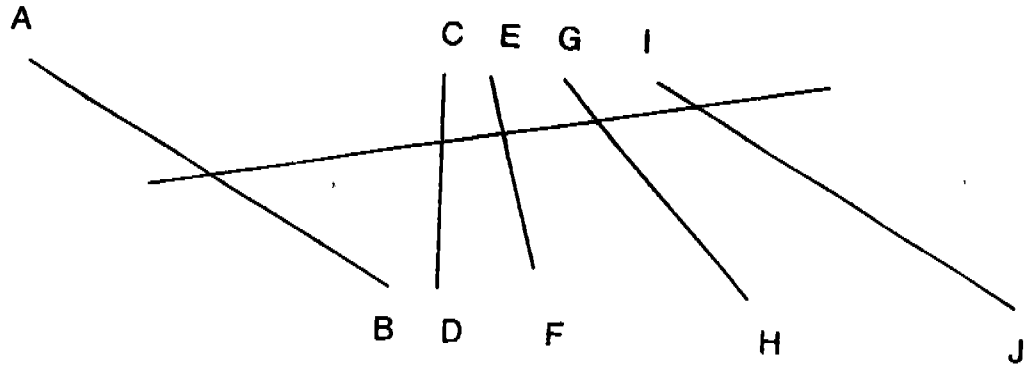
17. How many right angles are there in this figure?



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

/3

18. The line AB is parallel to _____.

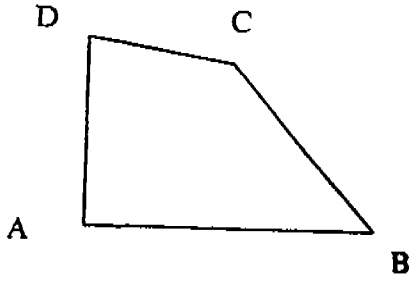


(1) CD
(2) EF
(3) GH
(4) I J

19. There are 84 stamps in an album. If $\frac{3}{7}$ of them are local stamps, how many foreign stamps are there?

(1) 24
(2) 36
(3) 48
(4) 60

20. In the figure below, which of the following is correct?



(1) AB ⊥ BC
(2) DA ⊥ AB
(3) BC ⊥ CD
(4) CD ⊥ DA

14

Section B (40 marks)

For each question, show your working clearly in the space below each question and write your answers 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. In the number series,
26 019, 26 008, ☐ , 25 986, 25 975.

What is the missing number in the box?

22. Which common multiple of 8 and 12 is nearest to 70?

23. 64 X 409 = 20 000 + ☐ .

What is the missing number in the box?

24. Arrange these fractions in increasing order.

$\frac{2}{6}, \frac{5}{12}, \frac{1}{4}$

25. What is the difference between $\frac{5}{6}$ and $\frac{7}{12}$?

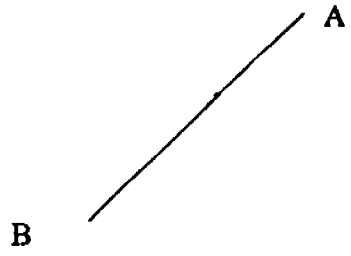
Give your answer in its simplest form.

26. You are at a point X and facing South. You make a $\frac{3}{4}$ turn in an anti-clockwise direction.

Which direction will you be facing?

15

27. Using a set-square, draw a line perpendicular to line AB.



28. When 8 396 is divided by 8, what is the remainder?

29. 9 X ☐ = 1 784 – 659,

What is the missing number in the box?

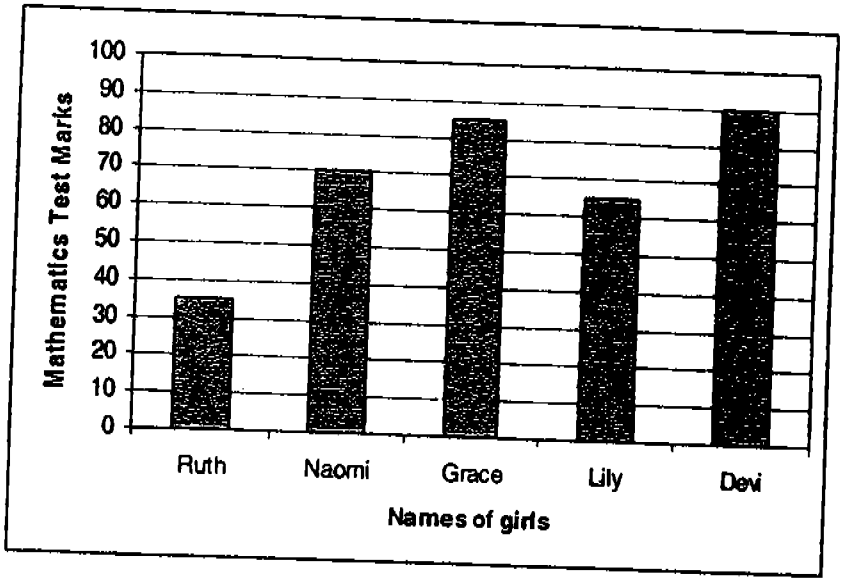
30. What is the quotient when 2 352 is divided by 9?

31. 15 out of 32 pupils in class like to eat bananas.
Express the number of pupils who do not like to eat bananas as a fraction of the number of pupils in the class?

16

32. Siti ate $\frac{1}{2}$ a bar of chocolate. Her brother ate $\frac{1}{6}$ of the same bar. What fraction of the bar of chocolate was left? Give your answer in its simplest form.

Study the graph and answer Questions 33, 34 and 35.
The graph below shows the marks scored by 5 girls in their Mathematics test.



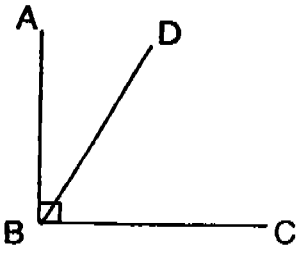
33. Naomi's scored twice as much as _____.

34. What is the difference between the highest and lowest score?

35. What is the total score of the five girls?

/ 7

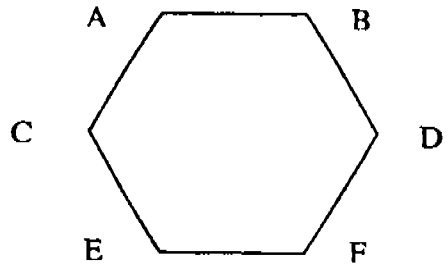
36.



Angle ABC is a right angle.
Angle ABD is 36°.
Find the value of angle DBC.

°

37.



Name 1 pair of parallel lines in the above figure.

38. $\square \div 7 = 33$ R6

What is the missing number?

39. $4\frac{1}{6} = 1 + 2 + \frac{\square}{6}$

What is the missing digit in the box ?

40. A fish tank had 145 guppies. After 7 of them died, $\frac{2}{3}$ of the remaining guppies were sold. How many guppies were not sold?

/ 8

Section C (20 marks)

For questions 41 to45, show your workings clearly in the space below each question and write your answers in the spaces provided. The marks for each question are given in brackets.

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41. June paid $47 for 2 pairs of shorts and 10 T-shirts. 2 T-shirts cost $5. What is the cost of one pair of shorts?

Answer: _____ _____(4 marks)

/ 9

42. Three boys, Peter, Luke and John had 252 stamps altogether. John had twice as many stamps as Peter. Luke had twice as many stamps as John. In order for the three boys to have the same number of stamps each,
    (a) how many stamps must Luke give to John ?
    (b) how many stamps must Luke give to Peter ?

Answer: (a)_____(3 marks)

10

(1 mark)

43. Rachel had $80 more than Mary. If Mary gave Rachel $10, Rachel would have thrice as much money as Mary. How much did they have altogether at first?

Answer: _____(4 marks)

21

44. There were a total of 20 cows and hens. They had a total of 50 legs.
(a) How many cows were there?
(b) How many hens were there?

Answer:(a)_____(2 marks)

(b)_____(2 marks)

22

45. Ravi had some marbles. $\frac{1}{7}$ of them were blue, $\frac{2}{7}$ of them were green and the rest were white. There were 48 more white marbles than green marbles. How many marbles did Ravi have altogether?

Answer: _____(4 marks)

---- END OF PAPER ----

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MATHEMATICS
PRIMARY 4

1) 3

2) 1

3) 4

4) 4

5) 3

6) 4

7) 2

8) 2

9) 4

10) 2

11) 4

12) 2

13) 3

14) 3

15) 1

16) 3

17) 2

18) 4

19) 3

20) 2

21) 25997

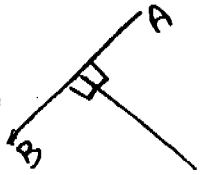
22) 72

23) 6176

24) 1/4 2/6 5/12

25) 1/4

26) West

27) 

28) 4

29) 125

30) 261

31) 17/32

32) 1/3

33) Ruth

34) 55

35) 345

36) 54°

37) AC // DF OR AB // EF

38) 237

39) 7

40) 46 guppies

41) $ 11

42) a) 12 stamps b) 48 stamps

43) $170

44) a) 5 cows b) 15 hens

45) 168 marbles

24