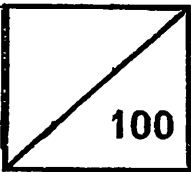




Rosyth School
First Semestral Assessment 2011
Mathematics
Primary 4

Total 

Name: _____

Class: Pr 4-_____ Register No. _____

Duration: 1h 45 min

Date: 11 May 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).
5. ANSWER ALL THE QUESTIONS.

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

* This paper consists of 17 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. In which of the following numbers does the digit 5 stand for 500?

- (1) 24 355
- (2) 35 425
- (3) 45 352
- (4) 54 532

2. Which one of the following is the best estimate for 609×29 ?

- (1) 600×20
- (2) 600×30
- (3) 610×20
- (4) 650×30

3. $20\ 000 + 1000 + 40 + 3 =$ _____

- (1) 3 043
- (2) 12 043
- (3) 21 043
- (4) 30 043

4. Terence baked 36 cookies. He ate $\frac{2}{3}$ of them. How many cookies did he eat?

- (1) 6
- (2) 9
- (3) 24
- (4) 4

5. What is the sum of $4\frac{3}{5}$ and $1\frac{2}{10}$?

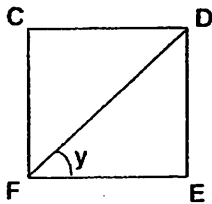
(1) $5\frac{4}{5}$

(2) $5\frac{3}{10}$

(3) $5\frac{5}{10}$

(4) $5\frac{5}{15}$

6. Figure CDEF is a square. Find $\angle y$.



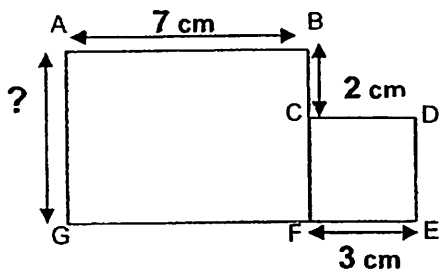
(1) 30°

(2) 45°

(3) 60°

(4) 90°

7. The figure below is not drawn to scale. It is made up of a rectangle ABFG and a square CDEF. Find the length of AG.



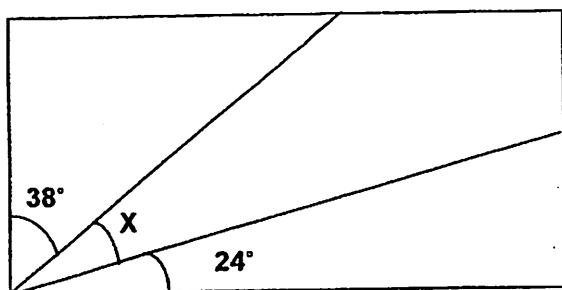
(1) 5

(2) 2

(3) 3

(4) 7

8. The rectangle below is not drawn to scale. Find $\angle x$.



- (1) 24°
(2) 28°
(3) 38°
(4) 62°
9. What is the common factor of 12 and 16?
- (1) 6
(2) 8
(3) 3
(4) 4
10. I am an even number. I am a multiple of 4 and a factor of 64.
I am smaller than 20 but bigger than 10. What is my number?
- (1) 8
(2) 12
(3) 16
(4) 18
11. If $\heartsuit + \star + \star = 140$
and $\heartsuit \times \heartsuit = 36$
then $\heartsuit + \star = ?$
- (1) 67
(2) 73
(3) 79
(4) 134

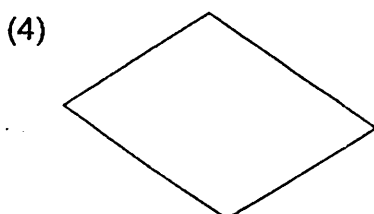
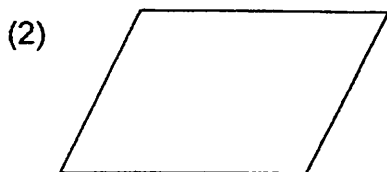
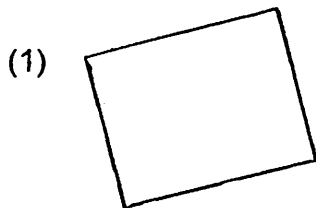
12. How many sixths are there in $2\frac{2}{3}$?

- (1) 6
- (2) 8
- (3) 16
- (4) 4

13. Express $3\frac{4}{6}$ as an improper fraction.

- (1) $\frac{7}{6}$
- (2) $\frac{13}{6}$
- (3) $\frac{22}{6}$
- (4) $\frac{34}{6}$

14. I have 2 pairs of parallel lines and 4 right angles. Which is my shape?



Study the table below and use the information to answer questions 15 and 16.

The table below shows the type of fish Mr Lim has in his shop.

Type of fish	Goldfish	Clown Fish	Guppy	Koi
Number of fish	55	100	150	23

15. How many more guppies than goldfish are there in Mr Lim's shop?
- (1) 95
 - (2) 105
 - (3) 195
 - (4) 205
16. A clown fish costs \$2 and a koi costs \$16, how much money will Mr Lim earn if he sells half of the total number of clown fish and all the koi in his shop?
- (1) \$ 268
 - (2) \$ 468
 - (3) \$ 568
 - (4) \$ 846
17. Li Ping had 4 420 red beads and 1 836 blue beads. She mixed them together and packed them equally into 8 boxes. How many beads are there in each box?
- (1) 323
 - (2) 657
 - (3) 782
 - (4) 6 256

18. The mass of an empty basket is $\frac{2}{5}$ kg. When it is filled with apples, the total mass of the basket and apples is 5 kg. What is the mass of the apples?

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

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

(3) $5\frac{2}{5}$ kg

(4) $5\frac{3}{5}$ kg

19. Muthu wanted to give some sweets to his friends. If he gave each friend 3 sweets, he would have 2 sweets left over. But if he gave each friend 4 sweets, he would need another 3 sweets. How many sweets did Muthu have?

(1) 9

(2) 11

(3) 12

(4) 17

20. 6 pupils are standing in a circle during a PE lesson. Each pupil is allowed to throw the ball to another pupil only once. What is the maximum number of throws that can be made?

(1) 12

(2) 13

(3) 14

(4) 15

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 are the next 3 multiples of 9?

9, _____, _____, _____

22. Use all the digits listed below to form the greatest four-digits **odd** number that is less than 5000.

6, 4, 3, 9

23. What is the missing number in the following number pattern?

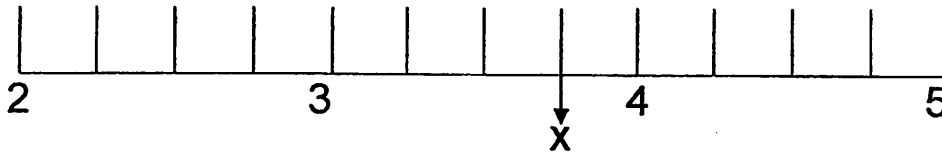
23 530, 23 730, _____, 24 130

24. Find the number in the box.

$$500 \times 24 = 2000 + \boxed{}$$

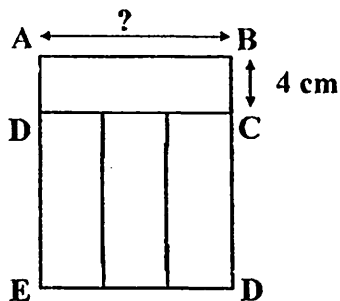
25. Express $\frac{28}{6}$ as a mixed number in the simplest form.

26. What fraction does the letter X represent on the line?

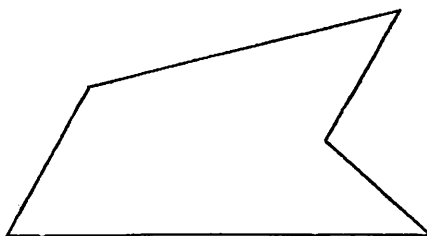


27. $\frac{6}{8} = \frac{\square}{24}$ Find the missing number in the box.

28. The figure below is not drawn to scale. It is made up of 4 similar rectangles. Find the length of AB.

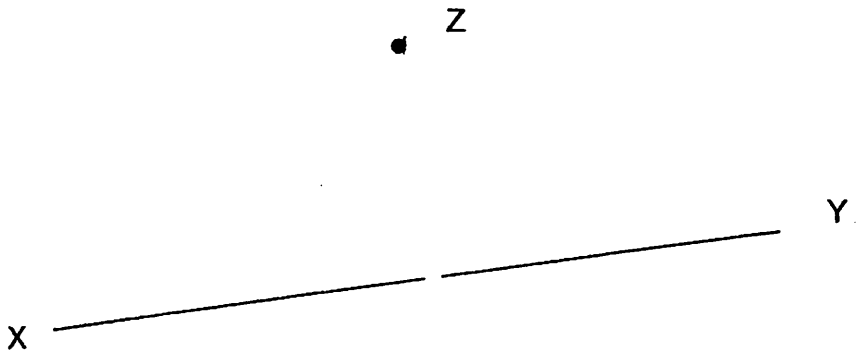

 cm

29. How many angles inside the figure shown below are greater than a right angle?



30. A $\frac{3}{4}$ turn is equal to _____ degrees.

31. Draw a line perpendicular to XY through point Z.



32. A number is 6 000 when rounded off to the nearest 10. What is the largest possible number?

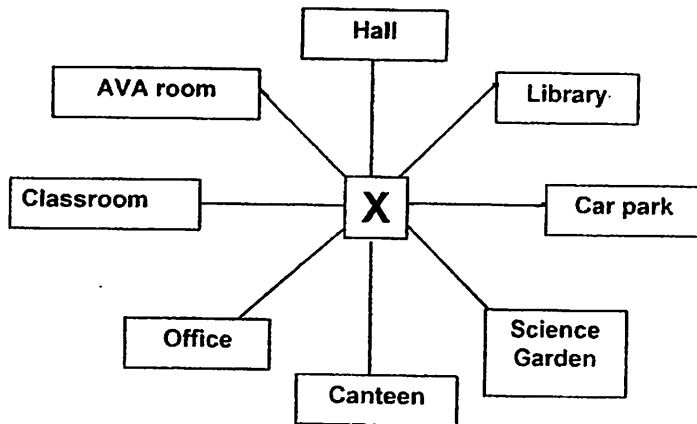
33. Arrange the following fractions in ascending order.

$$\frac{7}{12}, \frac{3}{4}, \frac{1}{3}, \frac{1}{2}$$

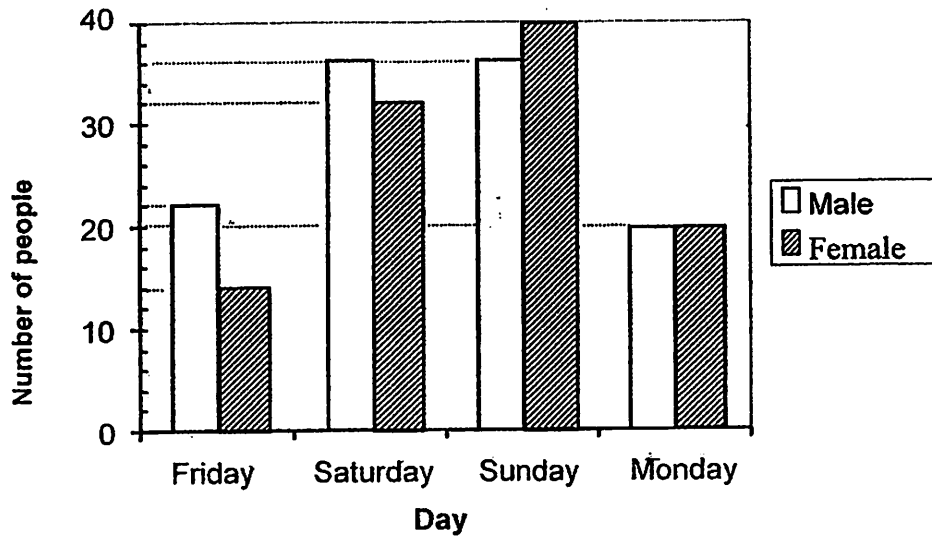
34. Tom sold $\frac{1}{4}$ of his stickers and gave away $\frac{5}{12}$ of it to Jerry.

What is the fraction of stickers left? Give your answer in the simplest form.

35. Sammy is standing at point X and is facing the library. He turns 180° in a clockwise direction. Where will he be facing?



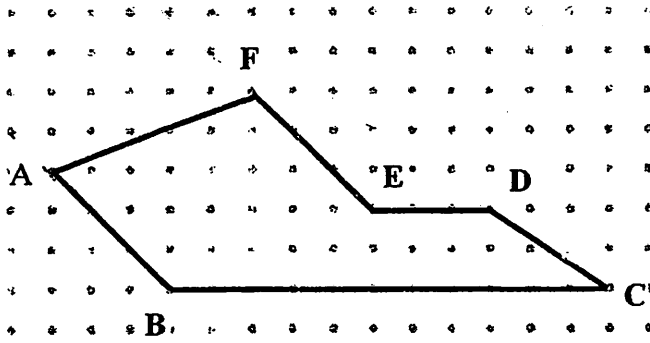
Study the table below and use the information to answer question 36 and 37.



36. Which day did the least number of people visit the art exhibition?

37. How many people visited the art exhibition on Saturday and Sunday?

38. In the figure below, how many line(s) are parallel AB?



39. Jayden spent $\frac{2}{9}$ of his money on transport. He had \$42 dollars left.
How much money did he have at first?

40. John is 15 years old this year. Two years ago, he was $\frac{1}{3}$ of his father's age.
How old is his father now?

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. Melvin has 384 stamps altogether. $\frac{3}{8}$ of them are local stamps while the rest are foreign stamps.

- a) How many local stamps does he have?
- b) How many more foreign stamps than local stamps does he have?

Answer: a) _____ (2 m)

b) _____ (2 m)

42. There were 1 200 chairs in the hall. Mr Ang arranged them into 3 rows. There were 605 more chairs in the first row than the second row. The number of chairs in the second row was thrice the number of chairs in the third row. How many chairs were there in the second and third row?

Answer: _____ (4 m)

43. Joel and Zhi Rui had \$2 896. After Joel gave Zhi Rui \$128, he still had \$86 more than Zhi Rui. How much money did Zhi Rui have at first?

Answer: _____ (4 m)

44. Shawn donated $\frac{1}{4}$ of his allowance to charity and spent another $\frac{1}{4}$ of his allowance on a toy car. He had \$36 left.

a) What fraction of the allowance had he left?

Give your answer in the simplest form.

b) How much money did he donate to charity?

Answer: a) _____ (2 m)

b) _____ (2 m)

45. The price of one file is \$2. When a customer buys 3 files, he can buy one more at half the price. What is the greatest number of files that a customer can buy with \$51?

Answer: _____ (4 m)

ANSWER SHEET

EXAM PAPER 2011

SCHOOL : ROSYTH
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

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

Q18	Q19	Q20
2	4	4

21)18,27,36

22)4963

23)23930

24)10000

25) $4\frac{2}{3}$

26) $3\frac{3}{4}$

27)18

28)12cm

29)2

30) 270°

31)

Z

32)6004

33) $\frac{1}{3}, \frac{1}{2}, \frac{7}{12}, \frac{3}{4}$

34) $\frac{1}{3}$

35)office

36)Friday

X ————— Y

37)144 people

38)1

39)\$54

40)41 years old

41)a) $1u \rightarrow 384 \div 8 = 48$

$$48 \times 3 = 144$$

Melvin has 144 local stamps.

b) $48 \times 5 = 240$

$$240 - 144 = 96$$

He has 96 more foreign stamps than local stamps.

42) $1200 - 605 = 595$

$$1u \rightarrow 595 \div 7 = 85$$

$$85 \times 4 = 340$$

There were 340 chairs in 2nd and 3rd rows.

43) $2896 - 86 = 2810$

$$1u \rightarrow 2810 \div 2 = 1405$$

$$1405 - 128 = \$1277$$

Zhi Rui had \$1277 at first.

44)a) $\frac{1}{4} = \frac{2}{8}$

$\frac{2}{8} + \frac{2}{8} = \frac{4}{8}$

$\frac{8}{8} - \frac{4}{8} = \frac{4}{8} = \frac{2}{4} = \frac{1}{2}$

He had left with $\frac{1}{2}$ of his allowance.

b) $1u \rightarrow 36 \div 4 = 9$

$9 \times 2 = \$18$

He donated \$18 to charity.

45) 3 files $\rightarrow 3 \times \$2 = \6

4 files $\rightarrow \$6 + \$1 = \$7$

$\$51 \div 7 = 7$ remainder \$2

$7 \times 4 = 28$

$28 + 1 = 29$

A customer can buy 29 files with \$51.