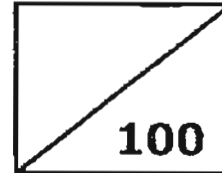# Rosyth School
Semestral Assessment 1 2007
Mathematics
Primary 4

Name: _____

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

Date: 11th May 2007   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)
Question 1 to 20 carries 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 and 4). Shade the correct answer on the OAS (Optical Answer Sheet).

1.   In 34 689, the digit 4 stands for _____.

    (1)   40

    (2)   400

    (3)   4000

    (4)   40 000

2.   Round off 6 547 to the nearest hundred.

    (1)   6 000

    (2)   6 500

    (3)   6 550

    (4)   7 000

3.   Which of the following is a <u>common multiple</u> of 4 and 8?

    (1)   1

    (2)   2

    (3)   8

    (4)   4

4.

| 10 000 |
| 10 000 |
| 10 000 |

+ 1000 + 100 + 1 1 1 1 1
100
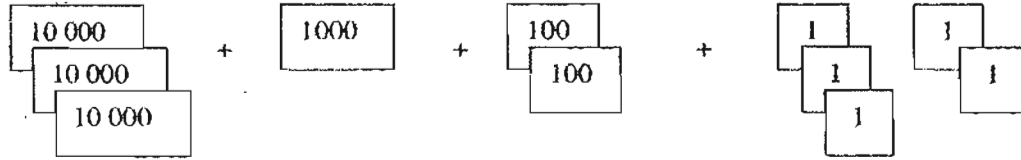
The sum of the numbers above is _____.

(1) 31 250

(2) 31 205

(3) 31 125

(4) 31 025

5. Which one of the following are common factors of 36 and 60?

(1) 3 and 5

(2) 4 and 6

(3) 6 and 9

(4) 12 and 18

6. Ben has a collection of 200 stickers. His brother, Alan, has 10 times as many stickers as Ben. How many stickers does Alan have?

(1) 210

(2) 2000

(3) 2010

(4) 2100

7. Find the product of 14 and 21.

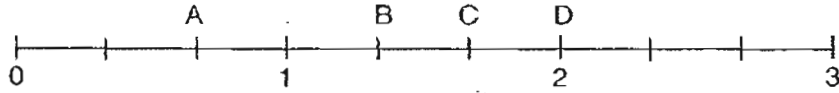   (1)   42

    (2)   98

    (3)   174

    (4)   294

8. Maria, Amanda and Betty baked some cookies. Maria and Amanda baked a total of 600 cookies. Maria baked 3 times as many cookies as Amanda. How many cookies did Betty bake if she baked 20 cookies more than Amanda?

    (1)   130

    (2)   150

    (3)   170

    (4)   200

9. How many fifths are there in $7\frac{2}{5}$?

    (1)   7

    (2)   2

    (3)   35

    (4)   37

142
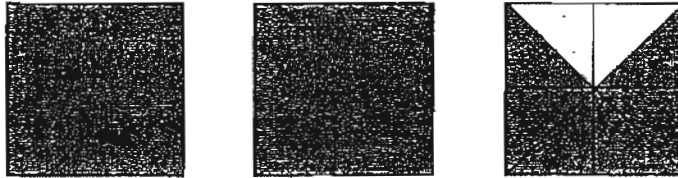
10.

Which point (A, B, C or D) on the above number line represents $1\frac{2}{3}$?

(1)   A

(2)   B

(3)   C

(4)   D

11.

What fraction of the above diagram is shaded?

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

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

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

(4) $\frac{11}{4}$

12. Express $3\frac{1}{9}$ as an improper fraction.

(1) $\frac{13}{9}$

(2) $\frac{27}{9}$

(3) $\frac{28}{9}$

(4) $\frac{31}{9}$

13. Find the sum of $\frac{3}{6}$ and $\frac{2}{6}$.

(1) $\frac{1}{12}$

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

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

(4) $\frac{5}{6}$

144

14. Sammy ordered 1 whole pizza. After eating part of the pizza, $\dfrac{3}{12}$ of it was left. What fraction of the pizza did Sammy eat?

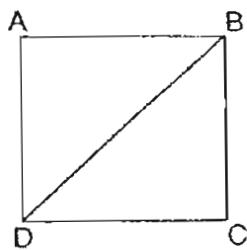(1) $\dfrac{1}{4}$

(2) $\dfrac{1}{3}$

(3) $\dfrac{2}{3}$

(4) $\dfrac{3}{4}$

15. Which of the following is a property of a rectangle?

(1) All sides are equal

(2) It has only 1 right angle.

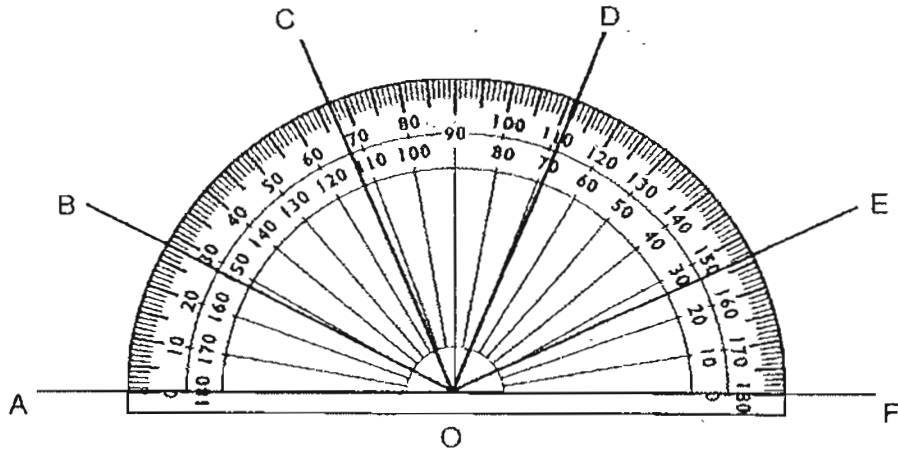(3) Opposite sides are parallel.

(4) It has only 1 pair of parallel line.

16.

ABCD is a square. Name a line parallel to AB.

(1) AD

(2) BC

(3) CD

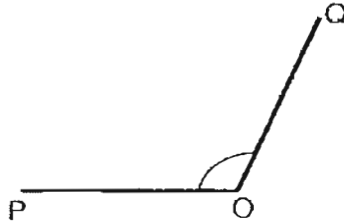(4) DB

17.

Which one of the following angle is 28°?

(1)   ∠AOB

(2)   ∠AOC

(3)   ∠DOF

(4)   ∠EOF
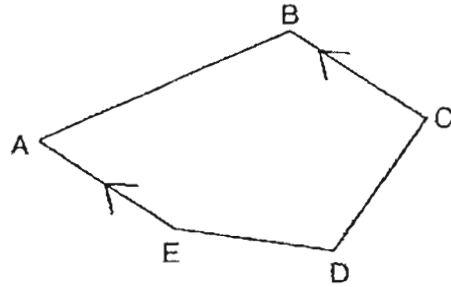
18.

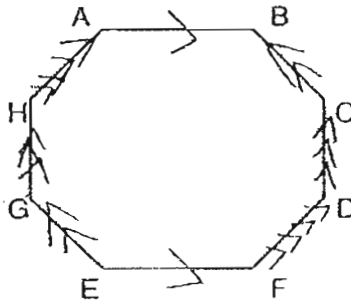The above figure is not drawn to scale. What is an estimate of ∠POQ?

(1)   40°

(2)   90°

(3)   120°

(4)   170°

19. In the figure below, which pair of lines are perpendicular to each other?

(1) AB and BC

(2) BC and CD

(3) CD and DE

(4) AE and BC

20. How many pairs of parallel lines are there in the figure shown?

(1) 1

(2) 2

(3) 3

(4) 4

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.

---

21. What is the sum of all the factors of 12?

    [ ]

22. Form the largest four digit **odd** number using all the digits listed below.

    9, 2, 7, 4

    [ ]

23. Find the value of $200 - 150 - 5$.
    Round off the answer to the nearest ten.

    [ ]

24. Dora spent $8 on a file. She spent 4 times as much on a wallet. How much more did Dora spend on the wallet than the file?

    $ [ ]

25. Divide 1370 by 4. Find the quotient and remainder.

    Q:
    R:

26. Bob is 3 years younger than Roger. In 4 years' time, Bob will be 11 years old. How old is Roger now?

$\boxed{\qquad\qquad \text{years old}}$

27. The difference between 2 numbers is 204.
The bigger number is 3 times the smaller number.
Find the bigger number.

$\boxed{\qquad\qquad}$

28. Find the value of $2 - \frac{2}{6} - \frac{1}{6}$.
Express your answer in its simplest form.

$\boxed{\qquad\qquad}$

29. What is $\frac{5}{8}$ of 24?

$\boxed{\qquad\qquad}$

30. $3\frac{5}{11} = \frac{\square}{11} + \frac{5}{11}$. What is the missing number in the box?

$\boxed{\qquad\qquad}$

31. Joe mixed $\frac{5}{11}l$ of syrup with $4\frac{3}{11}l$ of water. What is the total volume of the mixture?

$\boxed{ l}$

32. There are 42 pupils in a class. $\frac{4}{7}$ of them are boys. How many girls are there in the class?

$\boxed{}$

33. Jenna spent $\frac{1}{8}$ of her money on a pen and $\frac{5}{8}$ of it on a notebook. What fraction of her money was left?
Express your answer in its simplest form.

$\boxed{}$

34. Jay had 3m of wire. After using some of it, he had $\frac{5}{8}$m of wire left. How much wire did he use?

$\boxed{ m}$

35.
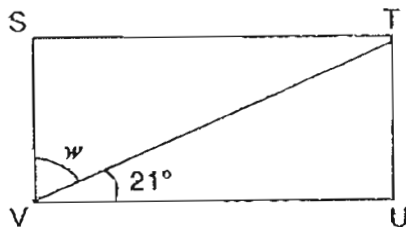
STUV is a rectangle. Find the value of $\angle w$.

$\boxed{ ^\circ}$

150

36. The figure below is made of two similar rectangles. What is the length of the side marked *y*?

[   ]   cm

```
        11cm
      ⟵──────⟶
      ┌──────────┐  ↑
      │          │  │ 9 cm
      │          │  ↓
18 cm │          │─────────────┐
      │          │             │
      │          │             │
      └───────┐  │             │
          y ↑ │  │             │
            ↓ └──┘─────────────┘
```
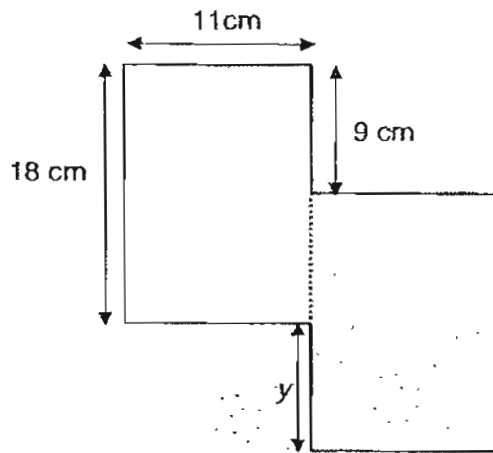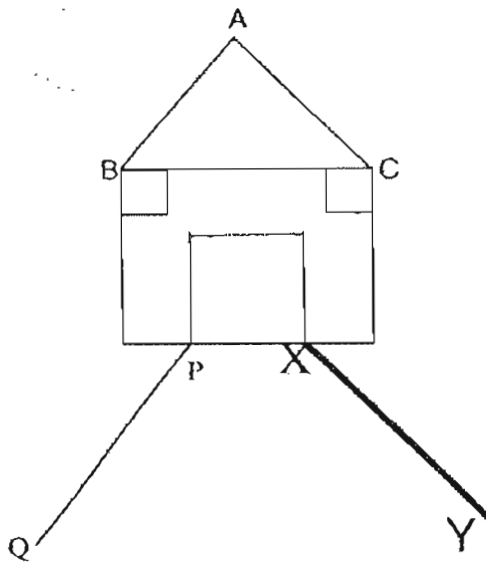
37. How many right angles are there in the figure below?

[   ]
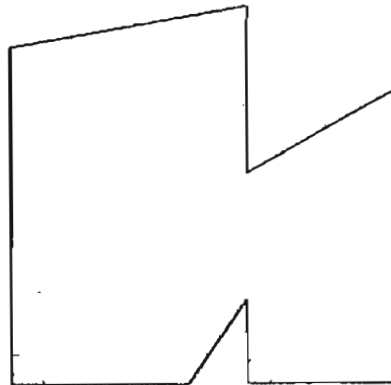
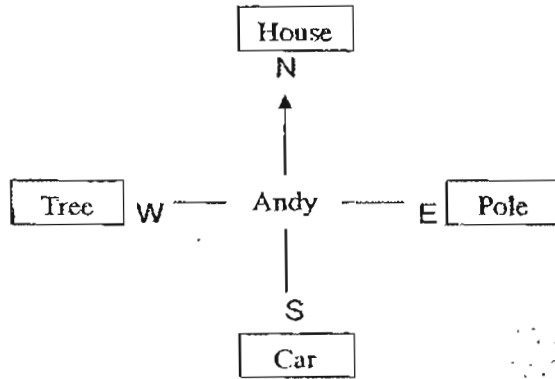38. Look at the diagram below. At first, Jay was at point S. He moved 3 steps to the west, 2 steps to the north and finally 5 steps to the east. He would now be at point _____.

B   C

N

A   S   D

F   E

1 step

1 step
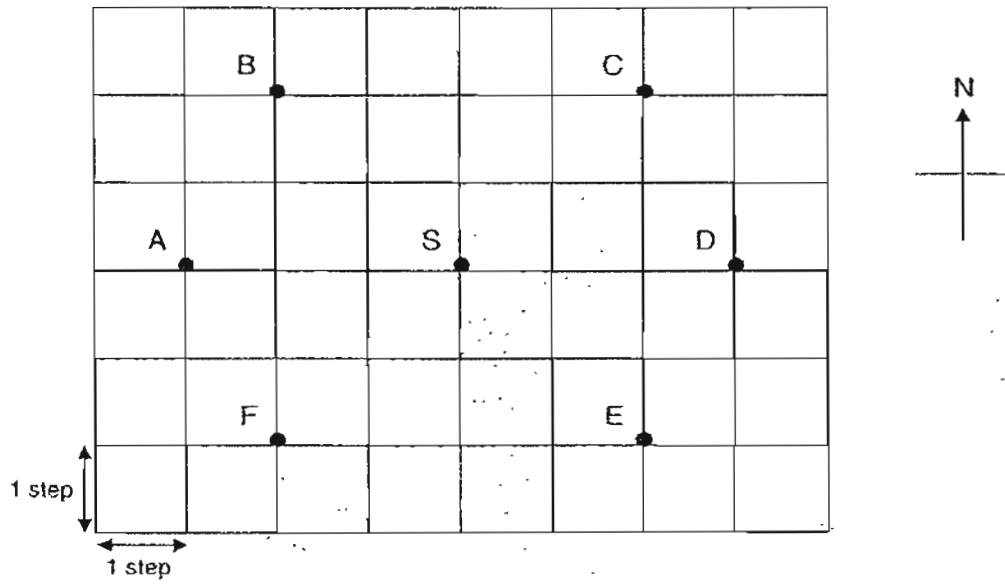
39. Find the line parallel to XY. Write the letters in the box.

A

B   C

P   X

Q   Y

40. Andy is facing North. If he makes a $\frac{3}{4}$-turn anti-clockwise, which object would he see?

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.

Q41. There are 23 peacocks and rabbits in the zoo. There are 84 legs altogether.

    (a) How many peacocks are there?

    (b) How many more rabbits than peacocks are there?

Ans: (a) _____(2 marks)

      (b) _____(2 marks)

154

Q42. Peter bought a video game for $89. He spent 2 times as much on a pair of sports shoes.

(a) How much did he spend altogether?

(b) If he had $828 at first, how much had he left in the end?

Ans: (a) _____(2 marks)

(b)_____(2 marks)

155

Q43. Henry bought a box of VCDs for $162. There were 9 VCDs in each box.

(a) How much did one VCD cost?

(b) How much did he pay for 13 VCDs?

Ans: (a) _____(2 marks)

(b) _____(2 marks)

Q44. 2 similar boxes contained some marbles. Box A with 18 marbles weighed 250g.

Box B with 23 similar marbles weighed 55g more.

(a) How much did one marble weigh?

(b) How much did each box weigh?

Ans: (a) _____(2 marks)

(b) _____(2 marks)

45. Farah had some ribbon. She gave $\frac{1}{3}$ m to Andrea and $\frac{2}{9}$ m to Kate. Then she had $\frac{5}{9}$ m left.

(a) How much more ribbon did Andrea get than Kate?

(b) How much ribbon did Farah have at first?
(Express your answer in the simplest form.)

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

~END OF PAPER~
Have you checked your work thoroughly?

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ROSYTH PRIMARY SCHOOL – PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3	35) 69°
2. 2	36) 9cm
3. 3	37) 3
4. 2	38) C
5. 2	39) A C
6. 2	40) pole
7. 4	41) a) 4 b) 15
8. 3	
9. 4	42) $267 b) $561
10. 3	
11. 4	43) a) $18 b) $234
12. 3	
13. 4	44) a) 11 b) 52
14. 4	
15. 3	45) a) 1/9 m b) 1 1/9
16. 3	
17. 1	
18. 3	
19. 2	
20. 4	
21. 28	
22. 9427	
23. 50	
24. $24	
25. Q:342 R:2	---end---
26. 10	
27. 306	
28. 1 ½	
29. 15	
30. 33	
31. 4 8/11	
32. 18	
33. 3/4	
34. 2 3/8	