Rosyth School
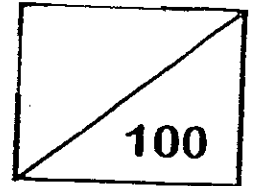## Second Semestral Assessment 2008
Mathematics
Primary 4

/ 100

Name: _____

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

Date: 15th Oct 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 each question, 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 2 stand for 200?

   (1)   2019

   (2)   3921

   (3)   4209

   (4)   5192

2. 44 thousands and 7 tens is the same as _____.

   (1)   447

   (2)   4470

   (3) – 44 007

   (4)   44 070

3. Which of the following is a factor of both 45 and 60?

   (1)   15

   (2)   2

   (3)   20

   (4)   4

4. How many one-thirds are there in 3 wholes?

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

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

(3) 3

(4) 9

5. In the number 45.89, the digit_____ is in the tenths place.

(1) 5

(2) 8

(3) 9

(4) 4

6. Arrange the following fractions from the greatest to the smallest.

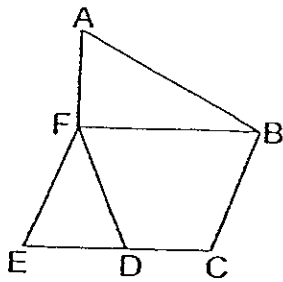$$\frac{1}{3}, \quad \frac{3}{4}, \quad \frac{5}{12}$$

	(greatest)		(smallest)
(1)	$\frac{3}{4}$,	$\frac{1}{3}$,	$\frac{5}{12}$
(2)	$\frac{5}{12}$,	$\frac{1}{3}$,	$\frac{3}{4}$
(3)	$\frac{3}{4}$,	$\frac{5}{12}$,	$\frac{1}{3}$
(4)	$\frac{1}{3}$,	$\frac{3}{4}$,	$\frac{5}{12}$

2

7. Study the figure below.

Which one of the following statements is true?

(1)   AB is parallel to FD

(2)   EF is parallel to BC

(3)   CE is perpendicular to BF

(4)   FA is perpendicular to FD

8. Mr Tan slept at 18 minutes past midnight on Thursday.
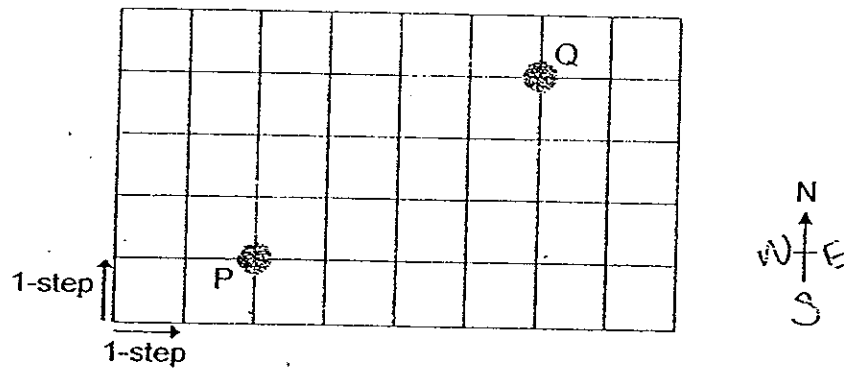What is the above time using the 24-hour clock?

(1)   00 18

(2)   01 18

(3)   11 18

(4)   12 18

9. $43.027 = 43 + 0.01 + \boxed{}$

What is the missing number?

(1)   0.007

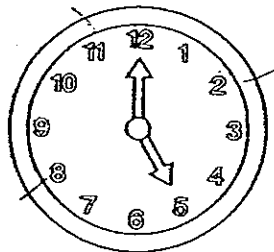(2)   0.01

(3)   0.017

(4)   0.027

10.

Which of the following shows the correct steps to move from Point P to Point Q?

(1)   1 step to the south and 6 steps to the north

(2)   2 steps to the west and 7 steps to the east

(3)   3 steps to the west and 5 steps to the south

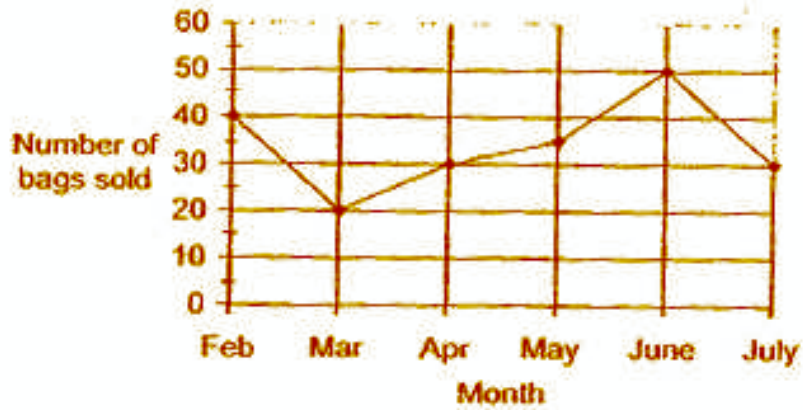(4)   4 steps to the east and 3 steps to the north

11.

The time is 5 pm now. How many $\frac{1}{4}$-turns will the hour hand move to reach 2 a.m. the next day?

(1)   1

(2)   2

(3)   3

(4)   4

Refer to the line graph below and answer questions 12 and 13.
The graph shows the number of bags sold at a shop.

12. What was the total number of bags sold from February to July?

(1)   165

(2)   175

(3)   200

(4)   205

13. What is the increase in the number of bags sold from May to June?

(1)   10

(2)   15

(3)   20

(4)   25

5

14. Nurul had 15 m of ribbon. She used 13.4 m of it to tie a parcel. How many metres of the ribbon had she left?

    (1)   0.16 m

    (2)   1.06 m

    (3)   1.6 m

    (4)   1.66 m

15. How many angles inside the figure below are less than a right angle?
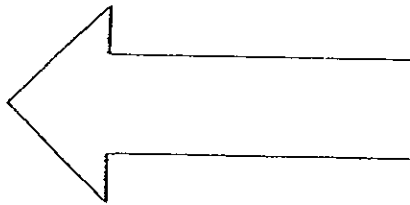
    (1)   5

    (2) -2

    (3)   3

    (4)   7

16. Siti mixed $\frac{3}{8}$ kg of flour and $\frac{1}{2}$ kg of sugar together. What was the mass of the mixture?

    (1) $\frac{1}{8}$ kg

    (2) $\frac{4}{10}$ kg

    (3) $\frac{7}{8}$ kg

    (4) $\frac{7}{16}$ kg

17. Saresh cut a rope into two pieces. One of the pieces was $\frac{3}{7}$ m shorter than the other one. If the longer piece of rope was 2 m, what was the length of the rope he had at first?

(1) $1\frac{4}{7}$ m

(2) $2\frac{4}{7}$ m

(3) $3\frac{4}{7}$ m

(4) $\frac{4}{7}$ m

18. Mr Tan bought 5 boxes of mooncakes. There are 4 mooncakes in each box. If he gave away $\frac{7}{10}$ of the mooncakes, how many mooncakes had he left?

(1) 6

(2) 2

(3) 14

(4) 20

19. Three books are sold at $12. Hamid bought 24 such books. How much did he pay for the books?
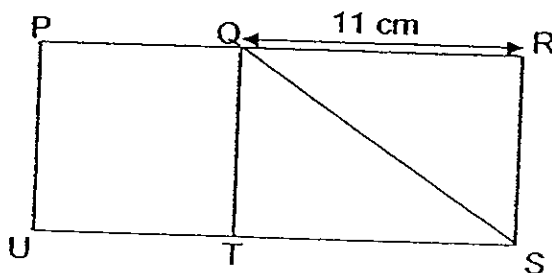
  (1) $36

  (2) $72

  (3) $96

  (4) $288

20. The figure below consists of square PQTU and rectangle QRST. The shaded area is 44 cm². What is the area of square PQTU?

  (1)   32 cm²

  (2)   44 cm²

  (3)   64 cm²

  (4)   88 cm²

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) $65\ 403 = 60\ 000 + 5000 + \underline{\hspace{2cm}} + 3$
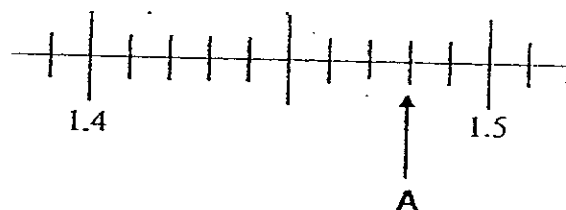
What is the missing number?

22) Fill in the blank with the correct number in the number pattern below.

1750, 1500, 1250. _____ 750

23) Express $\dfrac{57}{100}$ as a decimal.

24) Round off 23.49 to the nearest whole number.
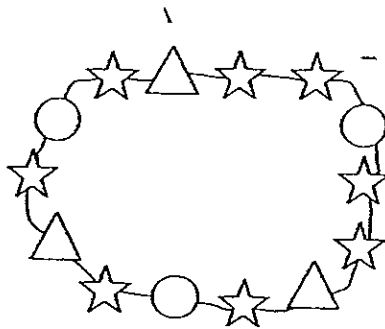
25) Write the decimal represented by A.

1.4   1.5

A

(0

26)

$$\frac{5}{6} = \frac{\boxed{}}{12}$$
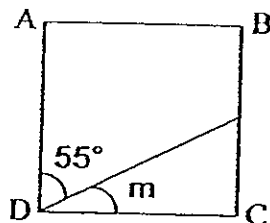
What is the missing number in the box?

27) Write $\dfrac{17}{4}$ as a mixed number in its simplest form.

28)

What fraction of the shapes on the bracelet are stars?
Express your answer in the simplest form.

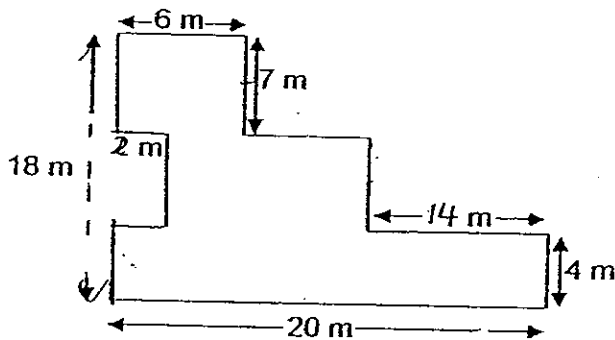29) ABCD is a square. Find $\angle$ m.

30) How many seconds are there from 3.15 pm to 3.19 pm?

[ ] s

31) Mingde has 16.2 kg of sugar. He wanted to pack them into 5 equal packets. How much sugar will there be in each packet?

[ ] kg

32) Kumar had $30. He bought a pencil case which cost $8.90 and a book for $12.50. How much had he left?

$ [ ]

33) Find the perimeter of the figure below.

[ ] m

34) The figure below is made up of two similar squares and a rectangle. The area of the rectangle is twice the area of a square. If the area of the figure is 36 cm², find the perimeter of the rectangle.

cm
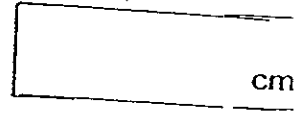
35) Some water was poured out from a tank into 5 bottles. Each bottle held 2.5 ℓ of the water. There was still 10.75 ℓ of water left in the tank after that. What was the amount of the water in the tank at first?

ℓ

Study the table below and answer questions 36 and 37.

A reading programme in school awards one badge to each student at the end of a term. The table below shows the number of reading badges that each primary four class had earned by the end of a term.

Class	Total Enrolment	Type of Reading Badge		
		Super	Excellent	Good
4A	42	25	10	2
4B	42	22	18	0
4C	38	11	21	1

36) How many pupils did not earn any reading badge at all?

37) How many more reading badges did Class 4B earn than Class 4A?

13

38) Peter spent $\frac{1}{3}$ of his pocket money on food, $\frac{5}{9}$ of it on books and saved the rest. If he saved $8, how much was his pocket money?

$ [   ]

39) A young plant is now 12.8 cm tall. It grows 6.2 cm taller every week. How tall will the plant be 5 weeks later?

[   ] cm

40) Box A has a mass of 22.4 kg. Box B has a mass of 4.75 kg more than Box A. The mass of box C is twice that of Box B. What is the mass of box C?
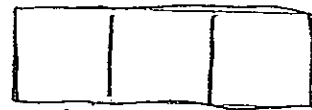
[   ] kg

41. A series of pattern is formed using squares as shown below. Each side of the square is 5 cm.

| Pattern 1 | Pattern 2 | Pattern 3 |

(a) What is the perimeter of the figure in Pattern 4?

(b) What is the perimeter of the figure in Pattern 15?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

42)

Ricky's Children Show

	Circle Seat	Stall Seat
Adult	$32.50	$37.75
Children (12 years and below)	$13.25	$18.75

Mr and Mrs Harul wanted to bring their children to the above show. They paid for the cheapest tickets available. They bought 5 tickets in total. They had a pair of twins who were ten years old and the eldest child was thirteen years old.

(a) What was the total cost of the 5 tickets?

(b) If Mr Harul gave the cashier $150, how much change did he receive?

Answer: (a) _____(2 m)

(b) _____(2 m)

43) Suling collected 378 beads. $\frac{5}{9}$ of them are green and the rest are blue and yellow beads. The number of blue beads is three times as many as the yellow beads.

(a) How many more green beads than yellow beads are there?

(b) How many blue beads should Suling buy so that the number of blue beads would be the <u>same</u> as the green beads?

Answer: (a) _____(2 m)

(b) _____(2 m)

44) Joe had thrice as many toy cars as Samy. Weiming had 345 toy cars fewer than Joe. The three boys collected 2651 toy cars altogether.

(a) How many toy cars did Samy have?

(b) How many toy cars did Weiming have?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

45) Bottle A contained some rose syrup and Bottle B contained 1500 mℓ of water. An equal amount of rose syrup and water were poured into a jug to make a drink. Next, all the drink was poured into 6 identical cups. Each cup contained 200 mℓ of the drink. The amount of rose syrup left in Bottle A was 4 times as much as the water left in Bottle B.
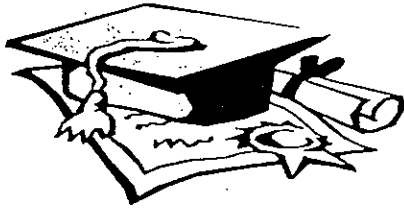
(a) How much water was left in Bottle B?

(b) How much rose syrup was there in Bottle A at first?

Answer: (a) _____(2 m)

(b) _____(2 m)

~END OF PAPER~
Do check your work carefully.

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : ROSYTH PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 2

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

Q18	Q19	Q20
1	3	3

21)400   22)1000   23)0.57   24)23   25)1.48

26)10   27)4¼   28)4/7   29)35°   30)240s

31)3.24kg 32)$8.60   33)60m   34)18cm   35)23.25L

36)12 pupils   37)3   38)$72   39)43.8cm

40)54.30kg

41)a)5x10=50cm
    The perimeter of the figure in Pattern 4 is 50cm.
    b)Pattern 15→15 squares.
        5x26=130cm
        5x6=30cm
        130cm+30cm=160cm
        The perimeter of the figure is 160cm.

42)a)Mr and Mrs Harul→$32.50x2=$65
   Twins→$13.25x2=$26.50
   Eldest child→$32.50
   Total cost→$65+$26.50+$32.50=$124
   The total cost was $124.
   b)$150-$124=$26
   He received $26.

43)a)Yellow beads→378÷9=42
   Green beads→42x15=210
   210-42=168
   The are 168 more green beads than yellow beads.
   b)Blue beads→3 units
   Green beads→5 units.
   5-3=2 units
   2 units→42x2=84
   Suling should buy 84 more blue beads.

44)a)428
   b)939

45)a)6 cups→200x6=1200ml
   1200÷2=600ml
   Bottle B→1500-600=900ml
   900ml was left in Bottle B.
   b)900x4=3600ml
   3600+600=4200ml
   4200ml rose syrup was in Bottle A at first.