# Rosyth School
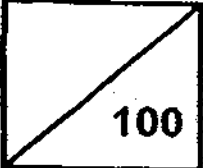## First Semestral Assessment 2009
## Mathematics
## Primary 3

Total /100

Name: _____

Class: Pr 3-_____    Register No. _____    Duration: 1h 45 min

Date: 13 May 2009    Parent's Signature: _____

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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, write the answers in the brackets provided.
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.

## Section A (40 marks)

*Questions 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) and write it in the brackets provided.*

1. What is 7 thousands and 42 ones written as a numeral?

   (1) 742
   (2) 7 042
   (3) 7 402
   (4) 7 420                                              (          )

2. In 6 589 the digit 5 is in the _____ place.

   (1) ones
   (2) tens
   (3) hundreds
   (4) Thousands                                          (          )

3. The value of 7 965 is the same as _____.

   (1) 796 + 5
   (2) 700 + 90 + 60 + 5
   (3) 7 000 + 900 + 65
   (4) 7 000 + 9 000 + 65                                 (          )

4. 6 + 6 + 6 + 12 = _____ x 6

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

5. 8 x 6 hundreds = _____.

   (1) 480
   (2) 860
   (3) 4 800
   (4) 8 600                                              (          )

1

6. What is 63 tens divided by 7?

    (1)  9
    (2)  90
    (3)  441
    (4)  4 410

                                                    (       )

7.



Which of the following fractions represents the shaded part of the above figure?

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

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

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

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

                                                    (       )

8.  $\dfrac{2}{7} + \boxed{\phantom{x}} = 1$

    (1)  $\dfrac{3}{7}$

    (2)  $\dfrac{5}{7}$

    (3)  $\dfrac{7}{7}$

    (4)  $\dfrac{7}{5}$

                                                    (       )

9. What is the difference between $\frac{2}{3}$ and $\frac{8}{9}$ ?

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

   (2)  $\frac{10}{12}$

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

   (4)  $\frac{14}{9}$                                    (          )

10. In the number pattern below, what is the missing number?

   2 673,   3 674,   _____,   5 676,   6 677

   (1)  3 675
   (2)  4 674
   (3)  4 675
   (4)  4 775                                    (          )

11. Which of the following has the **smallest** value?

   (1)  7 900 + 20
   (2)  800 x 9
   (3)  8 008
   (4)  8 000 − 8                                 (          )

12. Muthu has 580 marbles.  He shares them among his 4 friends.
    How many marbles does each friend get?

   (1)  145
   (2)  576
   (3)  584
   (4)  2 320                                    (      ╱  )

13. Siti scored 92 marks in Mathematics. She scored 6 marks more in Mathematics than in Science. How many marks did she score in Science?

   (1)    84
   (2)    86
   (3)    96
   (4)    98                     (       )


14. How many sevens are there in 56?

   (1)  8
   (2)  9
   (3)  49
   (4)  63                     (       )


15. In $4 \times 6 = 3 \times$ _____, what is the missing number?

   (1)  8
   (2)  10
   (3)  13
   (4)  24                     (       )


16. George bought 3 shirts at a sale for $18. How much would 9 shirts cost?

   (1)  $6
   (2)  $21
   (3)  $27
   (4)  $54                           )


17. Divide 762 by 3. The quotient is _____.

   (1)  254
   (2)  759
   (3)  765
   (4)  2 286                   (       )

18. Which of the following fractions is **bigger** than $\frac{1}{2}$?

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

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

   (3)  $\frac{5}{9}$

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

19. The baker has 30 curry puffs. He packs all of them into boxes.
    Each box can hold **up to** 4 curry puffs.
    Which of the following **cannot** be the total number of boxes he uses?

   (1)  7
   (2)  8
   (3)  9
   (4)  10                                               (        )

20. John cut a pizza into 12 equal pieces. He ate 2 pieces, and gave 1 piece to
    his sister and 5 pieces to his parents.
    What fraction of the original pizza was left?

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

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

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

   (4)  $\frac{2}{3}$                                    (        )
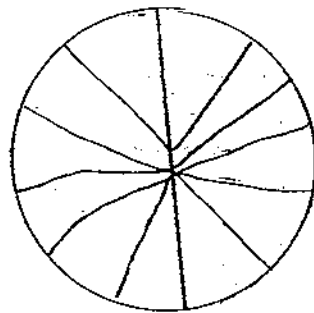
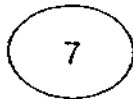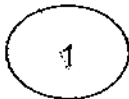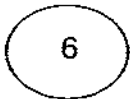*Questions 21 to 40 carry 2 marks each.*
*For each question, <u>show your working clearly</u> in the space below each question.*
*Write your answers in the spaces provided. Give your answers in the units stated.*

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21. 100 less than 2 083 is _____.

22.

$$\textstyle\bigcirc 6 \qquad \bigcirc 1 \qquad \bigcirc 7 \qquad \bigcirc 4$$
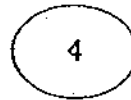
Using any <u>three</u> numbers above, form the <u>smallest three-digit odd</u> number.

23. $11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 =$ _____

What is the digit in the ones place?

24. Find the sum of 2 678 and 6 200.



25. The difference between two numbers is 10.
The smaller number is 16.
What is the greater number?



26. Our heart beats 72 times a minute.
How many times does it beat in 8 minutes?

27. A box of biscuits costs $7.
    How many such boxes of biscuits can Weiqi buy with $50?

28. $18 = 2 \times \boxed{\phantom{0}} \times 3$

    What is the missing number in the box?

29. Find the value of $\dfrac{7}{12} + \dfrac{1}{4}$

    Express your answer in the simplest form.

30. Arrange the following set of fractions in order.
Begin with the **smallest**. *(3)*

$$\frac{1}{3} , \quad \frac{5}{6} , \quad \frac{1}{2}$$

31. Find the value of

$$1 - \frac{5}{8} - \frac{1}{4}$$

Express your answer in its simplest form.

32. Fill in the missing numbers in the boxes below.

$$\frac{1^{\times 3}}{3^{\times 3}} = \frac{\boxed{\phantom{0}}}{9} = \frac{4}{\boxed{\phantom{0}}}$$

33. There are 12 bars of Mars chocolate in each packet.
How many chocolate bars will there be in 8 such packets?

34. Fandi painted $\frac{2}{5}$ of his room blue and $\frac{3}{10}$ of it yellow.

What fraction of the room is painted blue and yellow?

35. Meiling collected $\frac{1}{2}$ of the saga seeds in a garden.

Faridah collected $\frac{1}{10}$ less than Meiling.

What fraction of the saga seeds in the garden did Faridah collect?
(Express your answer in its simplest form)

36. A florist has some roses and 306 sunflowers.
The number of sunflowers is 3 times the number of roses.
How many roses does the florist have?

37. If 🌼 X 🌼 = 81

and 🌼 X 🕯 = 27,

what is the value of 🕯 X 🕯 X 🕯 ?

38. Mr Lim had $980.
He spent $380 on a handphone and $260 on a watch.
How much money had he left?

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┌─────────────────────┐
│ $                   │
└─────────────────────┘
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39. Milton sold 34 boxes of buns for charity. He had 4 buns left.
If each box had 6 buns, how many buns did Milton have at first?

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┌─────────────────────┐
│                     │
└─────────────────────┘
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40. Siti had 46 blue paper clips and 62 green paper clips.
She used them to form 3 chains of equal lengths.
How many paper clips did she use to form each chain?

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┌─────────────────────┐
│                     │
└─────────────────────┘
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*For questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided.*
*The number of marks for each question is shown in brackets [ ].*

41. A box contains red and white bottle caps. There are 396 red bottle caps. The number of red bottle caps is 3 times the number of white bottle caps.

   (a) How many white bottle caps are there?

   (b) How many bottle caps are there in the box altogether?

   Answer : (a) _____ [2m]

   (b) _____ [2m]

42.  2 653 children took part in a walkathon.  Of these, 1 209 are girls. How many **more** boys than girls took part in the walkathon?

Answer : _____ [4m]

Mr Singh arranged some chairs into 8 rows. There were 64 chairs in each of the first 3 rows and 80 chairs in each of the remaining rows.

(a) How many chairs were there in the first 3 rows?

(b) How many chairs did Mr Singh arrange altogether?

Answer : (a) _____ [2m]

(b) _____ [2m]

44. There are some cars and trucks in a car park.
Each car has 4 wheels and each truck has 6 wheels.
If there are 64 wheels and 13 cars and trucks,

(a) how many cars are there?

(b) how many trucks are there?

Answer : (a) _____

(b) _____ } (4m)

45. 40 children in Class A are having a muffin party. 26 of them eat a vanilla muffin each and 32 of them eat a chocolate muffin each. Everyone in the class eats at least 1 muffin. How many children eat **both** a vanilla muffin and a chocolate muffin?

Answer : _____ [4m]

**---- END OF PAPER ----**
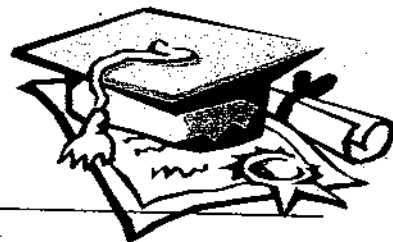**Have you checked your work?**

# ANSWER SHEET

**EXAM PAPER 2009**

**SCHOOL :  ROSYTH PRIMARY**
**SUBJECT :  PRIMARY 3 MATHEMATICS**

**TERM  :  SA1**

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

| Q18 | Q19 | Q20 |
|-----|-----|-----|
| 3   | 1   | 2   |

21)1983     22)147      23)5     24)8878     25)26     26)576

27)7      28)3      29)5/6     30)1/3, ½ ,5/6     31)1/8

32)3, 12     33)96     34)7/10     35)2/5     36)102     37)27

38)$340     39)208     40)36     41)a)132     b)528

42)235     43)a)192     b)592     44)a)7 cars     b)6 trucks     45)18