



Rosyth School
Second Semestral Assessment 2010
Mathematics
Primary 3

Total 

Name: _____

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

Date: 27 October 2010

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 16 pages altogether.

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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.

1. In 8 704, the digit _____ is in the hundreds place.

- (1) 0
- (2) 7
- (3) 8
- (4) 4

2. 2 thousands + 30 tens + 6 ones = The number in the box is _____.

- (1) 2 036
- (2) 2 306
- (3) 2 316
- (4) 2 360

3. Which of the following is arranged from the biggest to smallest?

- (1) 5 740, 5 704, 5 420, 5 402
- (2) 5 402, 5 420, 5 704, 5 740
- (3) 5 740, 5 420, 5 402, 5 704
- (4) 5 420, 5 402, 5 740, 5 704

4. How many groups of 4 are there in 36?

- (1) 0
- (2) 9
- (3) 144
- (4) 4

5. $1 \text{ star} = 8.$

$1 \text{ sun} = 3.$

$3 \text{ stars} = \square \times 1 \text{ sun}$

What is the number in the box?

- (1) 8
- (2) 24
- (3) 3
- (4) 4

6. What fraction of the figure shown below is unshaded?



- (1) $\frac{3}{8}$
- (2) $\frac{3}{5}$
- (3) $\frac{5}{8}$
- (4) $\frac{5}{3}$

7. Which fraction is NOT equivalent to $\frac{4}{6}$?

- (1) $\frac{1}{2}$
- (2) $\frac{2}{3}$
- (3) $\frac{6}{9}$
- (4) $\frac{8}{12}$

8. $\frac{3}{4} - \frac{3}{8} =$

What is the missing fraction in the box?

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

(2) $\frac{3}{8}$

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

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

9. What is 3 tens less than 378?

(1) 348

(2) 375

(3) 381

(4) 408

10. Which of the following has the smallest capacity?

(1) 30l

(2) 300ml

(3) 3l

(4) 3 000ml

11. Convert 2 035 metres to kilometres and metres.

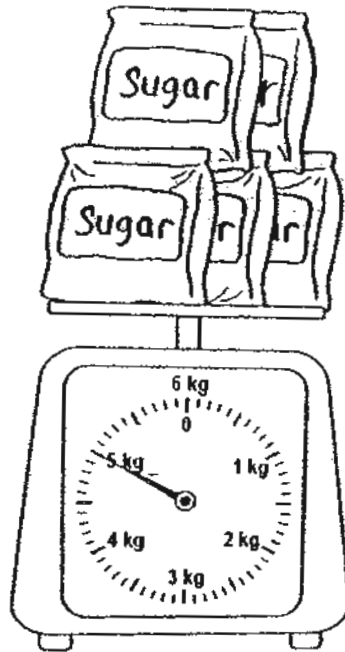
(1) 2 km 35 m

(2) 20 km 35 m

(3) 203 km 5 m

(4) 2035 km

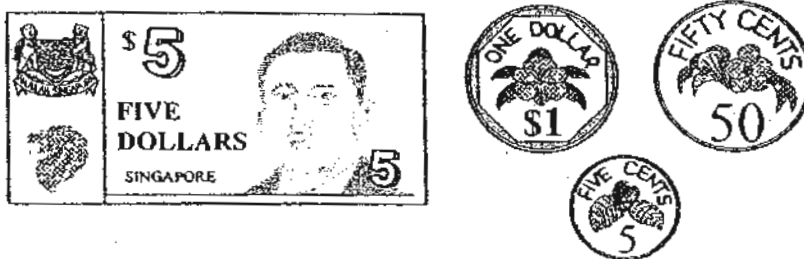
12. Look at the diagram below.



What is the mass of 8 packets of sugar?

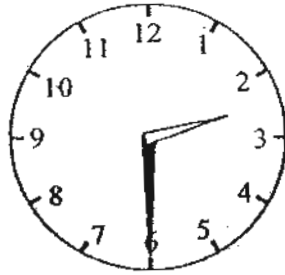
- (1) 1 kg
- (2) 5 kg
- (3) 6 kg
- (4) 8 kg

13. What is the total amount of money shown below?



- (1) \$5.56
- (2) \$5.66
- (3) \$6.55
- (4) \$6.65

14. The clock is 30 minutes fast. The actual time should be _____.

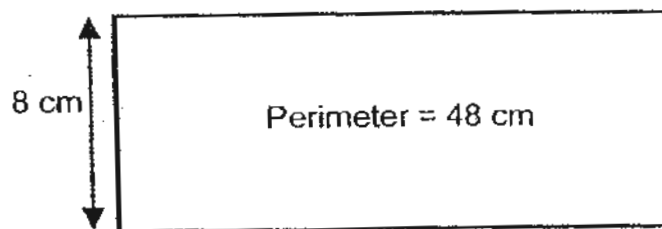


- (1) 2.00 p.m.
- (2) 2.30 p.m.
- (3) 3.00 p.m.
- (4) 3.30 p.m.

15. Joshua left home and took 30 minutes to have his lunch at a hawker centre. He then went to the library and stayed there for 3 hours. He went home at 5.00p.m. What time did he leave his house?

- (1) 1.00 p.m.
- (2) 1.30 p.m.
- (3) 8.00 p.m.
- (4) 8.30 p.m.

16. Find the length of the rectangle below.



- (1) 12 cm
- (2) 16 cm
- (3) 20 cm
- (4) 40 cm

17. The area of a square is 64cm^2 . What is its perimeter?

- (1) 8 cm
- (2) 16 cm
- (3) 24 cm
- (4) 32 cm

18. Sharon had some money at first.
She bought 4 pens for \$4.80 and a box of pencils for \$5.50.
She paid the cashier the exact amount and had \$12.70 left.
How much did she have at first?

- (1) \$10.30
- (2) \$23.00
- (3) \$74.20
- (4) \$86.90

19. George has 567 stickers. Olivia has 210 fewer stickers than George.
How many stickers do both of them have?

- (1) 357
- (2) 714
- (3) 777
- (4) 924

20. Haslina decided to save for a pair of earphones.
She saved in a pattern as shown below:

Week	Amount of money Haslina saved in that week
1	\$7
2	\$9
3	\$11
4	\$13
...	...

If the pair of earphones cost \$112, how long would Haslina take to save \$112?

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

Section B (40 marks)

For each question, show your working clearly in the space below each question and write your answers in the spaces provided. Give your answers in the units stated. Questions 21 to 40 carry 2 marks each.

21. Five thousand and seventeen written as a numeral is _____.

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

3 452, 3 472, _____, 3 512, 3 532

23.

9

0

3

8

Use the above digits to form the **smallest 4-digit even number**.

24. I am a number that is more than 400 but less than 500.

The digit 4 is in the hundreds place.

The digit in the tens place is half the digit in the hundreds place.

The digit in the ones place is the sum of the digit in the hundreds place and the tens place.

What number am I?

25. $6\ 829 - 529 = \square$

Find the missing number in the box.

26. When a number is divided by 3, it gives a quotient of 61 and a remainder of 1.
What is the number?

27. $\frac{3}{5} = \frac{9}{\square}$. What is the missing number in the box below?

28. $\frac{1}{2} + \frac{1}{3} = \square$

What is the missing fraction in the box?
Express your answer in the simplest form.

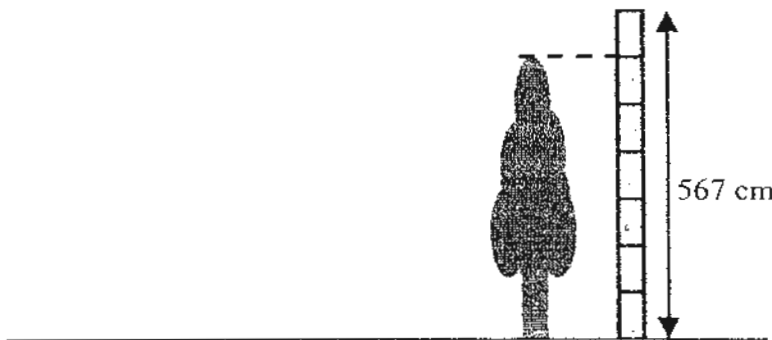
29. Arrange the following fractions from the smallest to the largest:

$$\frac{1}{2}, \frac{5}{6}, \frac{2}{3}, \frac{1}{4}$$

Smallest

30. Sue cut a pancake into 10 equal pieces.
 She ate 3 pieces and gave another 5 pieces to her friends.
 What fraction of the pancake had she left?
 Express your answer in the simplest form.

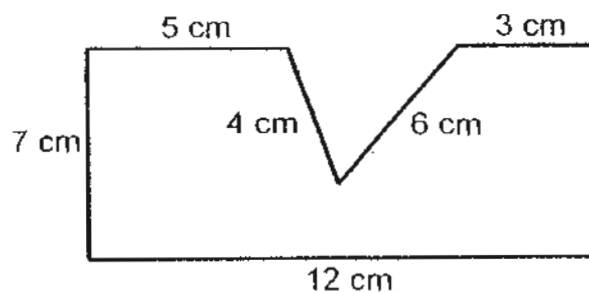
31. Find the height of the tree.


 cm

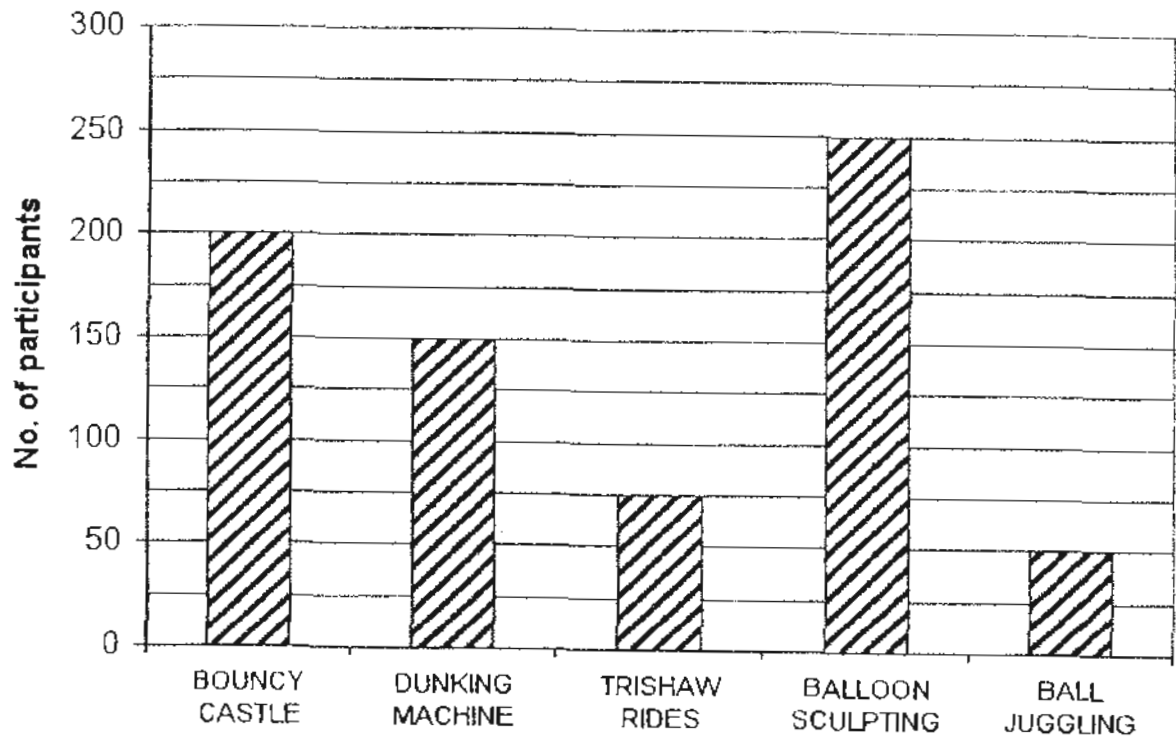
32. Mdm Roza had 1 200 grams of flour. She used 550 grams of it to bake some cookies and gave 450 grams to her neighbour. What was the mass of flour left?

 g

33. Find the perimeter of the figure below.


 -cm

For questions 34 and 35, please refer to the bar graph below.



During the Children's Day Carnival, the number of pupils at the various stations was collated in the bar graph shown above.

34. Which station was the least popular among the pupils?

35. What is the difference in the number of participants at the most popular and the least popular stations?

36. Mr. Tan collected a total sum of \$1309.30 on three days. He collected \$243.10 on Monday, \$736.50 on Tuesday and some money on Wednesday. How much did Mr. Tan collect on Wednesday?

37. Mr Lee spent \$128 on 3 racquets and a soccer ball.
He paid \$41 for the soccer ball.
If the price for the 3 racquets was the same, how much did he pay for each racquet?

38. The table below shows the opening hours of a dental clinic.
How long is the clinic open each day?

White Teeth Dental Clinic
Opens daily
Opening hours
8 a.m. to 12 p.m.
2 p.m. to 4 p.m.
7 p.m. to 8.30 p.m.

39. Amanda baked 345 cookies. She packed 10 cookies into each box.
What was the maximum number of boxes used by Amanda to pack all the cookies?

40. $A + B = 9$
A and B are two different whole numbers.
What is the biggest possible value of $A \times B$?

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 spaces provided. The mark for each question is given in brackets.

-
41. Mr. Lim completed painting his room in 4 days. He painted $\frac{1}{12}$ of his room on Monday, $\frac{1}{5}$ of his room on Tuesday and $\frac{1}{4}$ of his room on Wednesday. What fraction of the room did he paint on Thursday? Express your answer in the simplest form.

Answer: _____ (4 m)

42. Mr Wong went to XYZ Sports Shop to buy 3 items.
He spent a total of \$86.55 as shown in the receipt below.

<u>XYZ SPORTS SHOP</u>	
<u>Items</u>	<u>Price</u>
1 baseball bat	\$48. 50
1 baseball	\$10. 05
1 racquet	\$?

TOTAL : \$ 86. 55	

- (a) How much did he pay for the racquet?
- (b) How much change did he receive if he paid with a \$100 note?

Answer: (a) _____ (2 m)

(b) _____ (2m)

43. Ali has three times as many straws as Bala.
Bala has half as many straws as Charlie.
If Charlie has 300 straws,
(a) How many straws does Ali have?
(b) How many straws do the 3 boys have altogether?

Answer: (a) _____ (2 m)

(b) _____ (2 m)

44. Fred has 80 stamps. Vivian has 40 stamps. How many stamps must Fred give to Vivian so that Vivian will have 3 times as many stamps as him?

Answer: _____ (4 m)

45. Farmer Lim had a rectangular field.

The length of the field was 10 metres and the breadth was half the length.

The cost of the fence was \$5 per metre.

How much would it cost Farmer Lim to put up a fence around his field?

Answer : _____ (4 m)

---- END OF PAPER ----
Check your work carefully!

ANSWER SHEET

EXAM PAPER 2010

SCHOOL : ROSYTH PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
2	4	2

- 21)5017 22)3492 23)3098 24)426 25)6300
- 26)184 27)15 28)2/3 29)1/4, 1/2, 2/3, 5/6 30)1/5
- 31)486cm 32)200g 33)44cm 34)Ball Juggling 35)200
- 36)\$329.70 37)\$29 38)7h 30min 39)35 40)20

41) $3/12 + 1/12 + 5/12 = 9/12$
 $12/12 - 9/12 = 3/12 = 1/4$
He painted $1/4$ on Thursday

42)a) $\$48.50 + \$10.05 = \$58.55$
 $\$86.55 - \$58.55 = \$28.00$
He pay \$28.00 for me racquet
b) $\$100 - 86.55 = \13.45
He received \$13.45 as change.

43)a) $300 \div 2 = 150$
 $150 \times 3 = 450$
Ali have 450 straws
b) $450 + 150 + 300 = 900$
They have 900 straws altogether.

44)Fred have to give Vivian 50 stamps.