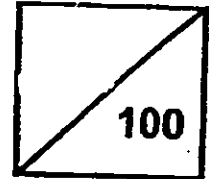




Rosyth School
Second Semestral Assessment 2015
Mathematics
Primary 4

Total



Name: _____

Class: Pr 4. Register No. _____

Duration: 1h 45 min

Date: 27th Oct 2015

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 21 pages altogether (including the cover page).

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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 6 stand for 60?

- (1) 6098
- (2) 7562
- (3) 8650
- (4) 9756

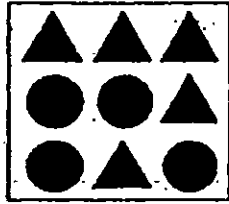
2. In which of the following numbers are the numbers arranged from the greatest to the smallest?

	Greatest		Smallest
(1)	1590	1509	1059
(2)	1059	1590	1509
(3)	1590	1059	1509
(4)	1059	1509	1590

3. Which of the following numbers when rounded off to the nearest ten becomes 58 600?

- (1) 58 549
- (2) 58 597
- (3) 58 607
- (4) 58 653

4. What fraction of the shapes in the box is ?



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

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

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

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

5. Express $8\frac{2}{7}$ as an improper fraction.

(1) $\frac{56}{7}$

(2) $\frac{58}{7}$

(3) $\frac{56}{2}$

(4) $\frac{58}{2}$

6. The digit 3 in 6.375 stands for 3 _____.

(1) ones

(2) tenths

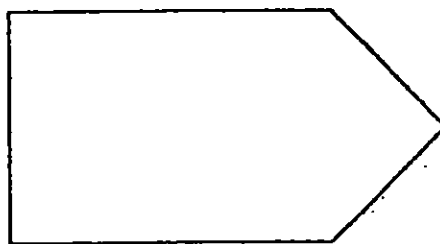
(3) hundredths

(4) thousandths

7. Find the sum of 1.07 and 9.94.

- (1) 10.01
- (2) 10.91
- (3) 11.01
- (4) 11.1

8.



How many pair(s) of parallel lines are there in the figure above?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

9.

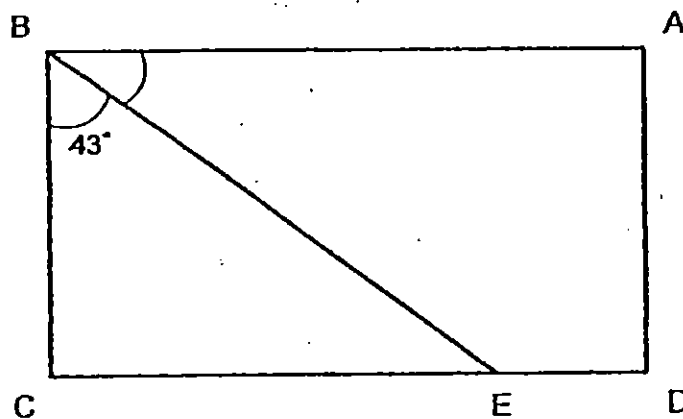
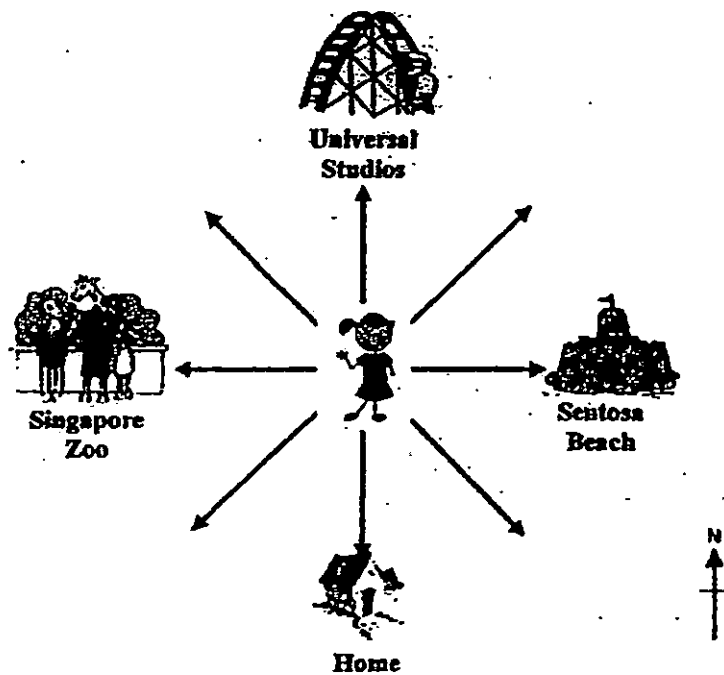


Figure ABCD is a rectangle not drawn to scale. BE is a straight line.

Find $\angle ABE$.

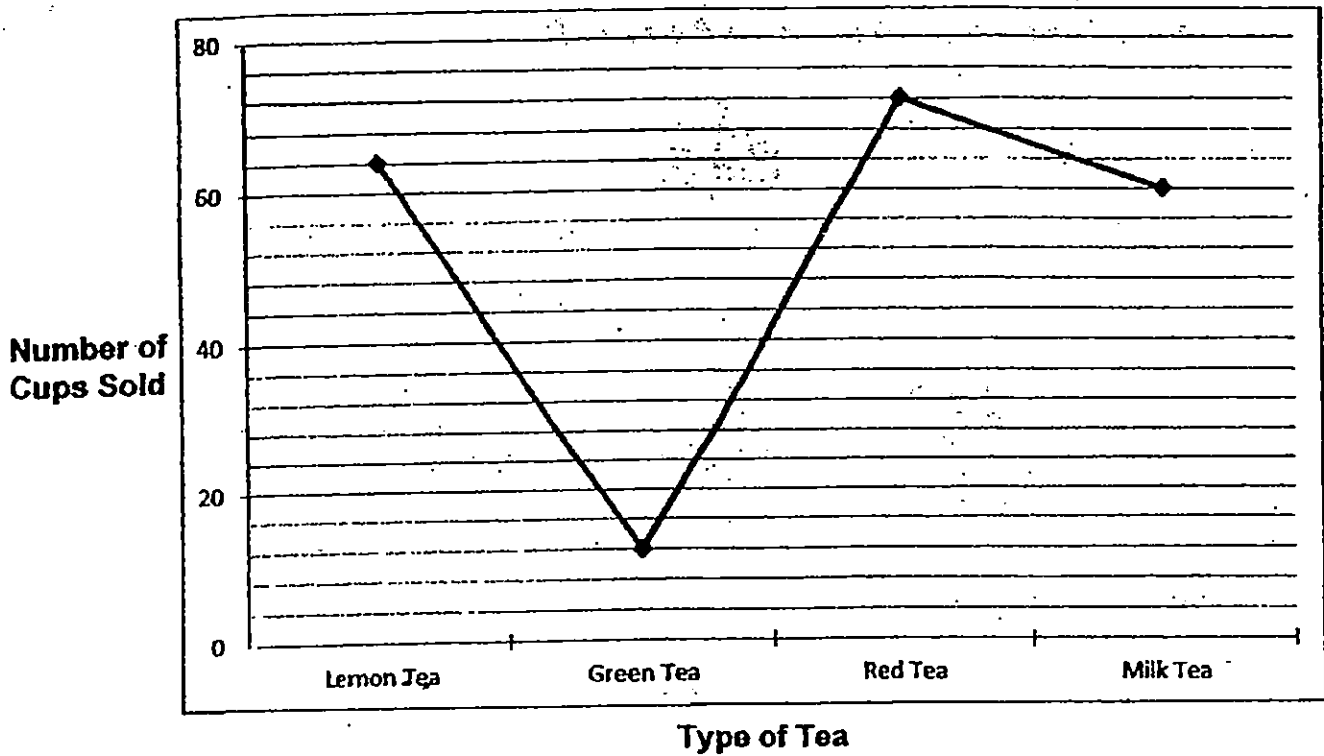
- (1) 37°
- (2) 43°
- (3) 47°
- (4) 137°

10. Jane is facing her home. She makes a $\frac{1}{4}$ turn anticlockwise. She then made a 270° turn clockwise. What is she facing now?



- (1) Home
(2) Singapore Zoo
(3) Sentosa Beach
(4) Universal Studios
11. There were some green and red beans in a box. $\frac{3}{8}$ of them were green. There were 120 green beans. How many of the beans were red?
- (1) 45
(2) 75
(3) 200
(4) 320

Use the information below and answer questions 12 and 13.



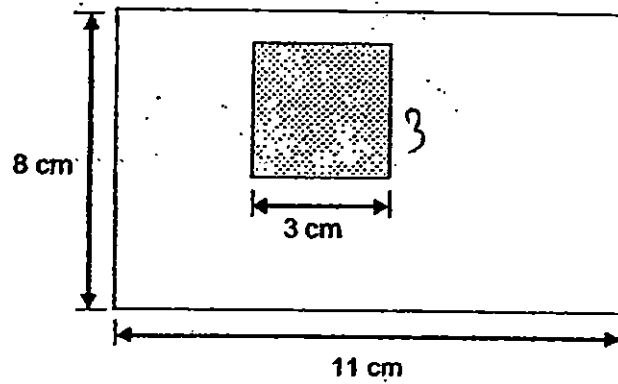
12. How many more cups of Lemon Tea were sold as compared to Green Tea?

- (1) 50
- (2) 52
- (3) 56
- (4) 58

13. If each cup of Red Tea cost \$2, how much money was collected from all the Red Tea sold?

- (1) \$126
- (2) \$132
- (3) \$144
- (4) \$148

14. Andy cut a square piece out from a rectangular piece of paper. Find the remaining area on the piece of paper.



- (1) 64 cm^2
(2) 79 cm^2
(3) 88 cm^2
(4) 97 cm^2
15. $\frac{5}{6}$ of a number is 90. What is the number?
- (1) 15
(2) 18
(3) 75
(4) 108
16. Sally bought 7 pens. Each pen cost \$1.95. How much did she pay for all the pens?
- (1) \$7.65
(2) \$10.65
(3) \$13.35
(4) \$13.65

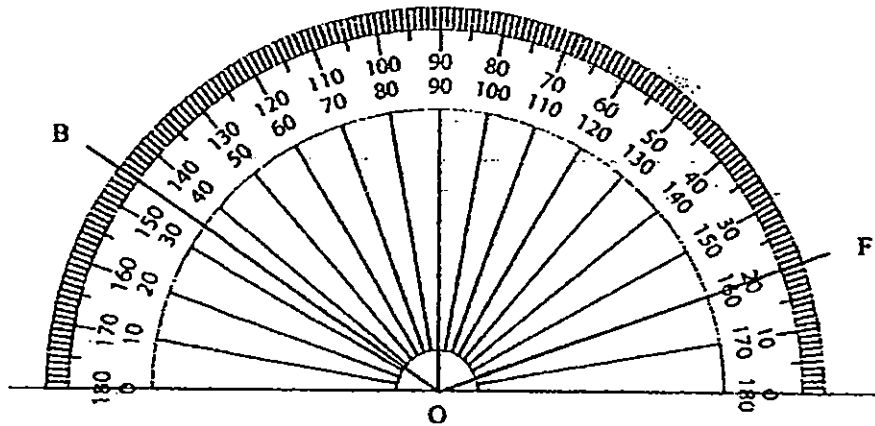
17. Faridah took 45 min to get to the dentist. She was 30 min early for her appointment. Her appointment was at 19:15. At what time did she leave her house?

- (1) 18 00
- (2) 18 30
- (3) 18 45
- (4) 19 45

18. Boston bought a cake. He ate $\frac{1}{8}$ kg of the cake yesterday. This morning, he ate $\frac{1}{4}$ kg more than the previous day. What fraction of the cake did he eat altogether in the 2 days?

- (1) $\frac{3}{8}$
- (2) $\frac{1}{2}$
- (3) $\frac{5}{8}$
- (4) $\frac{7}{8}$

19.



Find $\angle BOF$.

- (1) 20°
 - (2) 35°
 - (3) 125°
 - (4) 160°
20. Mr. Chow paid \$9.60 for 3 cups of Milo and 4 cups of coffee. Each cup of Milo costs \$0.40 more than a cup of coffee. How much does a cup of coffee cost?
- (1) \$1.20
 - (2) \$1.40
 - (3) \$1.60
 - (4) \$2.50

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.

Do not write in this space

21. $71\,406 = 70\,000 + 1000 + \underline{\quad? \quad} + 6$

What is the missing number?

Ans: _____

22. What is the correct number in the number pattern below?

43, 45, 48, ? , 57, 63

Ans: _____

23. The figure below is made up of identical rectangles.
What fraction of the figure is shaded?
(Leave your answer in the simplest form)



Ans: _____

24. Find the value of $1 - \frac{1}{4} - \frac{5}{12}$ (Leave your answer in the simplest form)

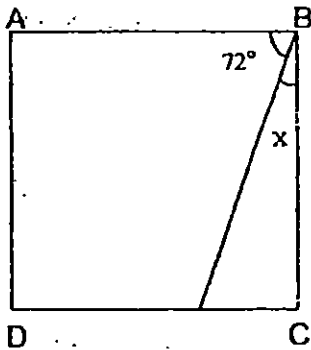
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this space

Ans: _____

25. Express $\frac{37}{7}$ as a mixed number.
(Leave your answer in the simplest form)

Ans: _____

26. ABCD is a square. Find $\angle X$.



Ans: _____

27. Express 0.7 as a fraction.

Ans: _____

28. Round off 13.73 to the nearest whole number.

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this space

Ans: _____

29. Write 3 hundredths in figures.

Ans: _____

30. Muthu bought 5 chocolates on Thursday and 7 chocolates on Friday. He gave away 4 chocolates to Mrs Woo. What fraction of the chocolates did he have left? (Leave your answer in the simplest form)

Ans: _____

Use the following information below to answer questions 31 and 32.

The table below shows the number of students in 4 different Math Enrichment Centers.

Math Enrichment Center	Number of Students
A	102
B	211
C	87
D	147

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31. What is the total number of students in all 4 centers?

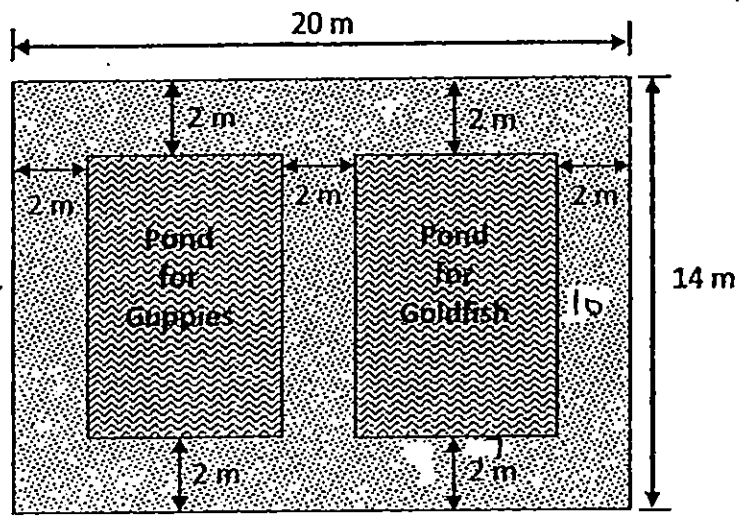
Ans: _____

32. The enrichment cost \$96.00 per month for each student.
How much money would be collected at Math Enrichment Center D every month?

Ans: \$ _____

33. Chu Hong made two ponds of the same size in his garden. One pond was to keep his guppies and another pond was to keep his goldfish. He made a 2 m wide path around the ponds so that visitors could walk around and look at his guppies and goldfish. Find total area he used to make the 2 ponds.

Do not write in this space



Ans: _____ m²

34. A square has an area of 64 cm². What is the perimeter of the square?

Ans: _____ cm

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this space

35. Find the sum of 13 tenths and 87 hundredths.

Ans: _____

36. Brenda weighs 34.78 kg and Chong Boon weighs 48.29 kg. How much do they weigh?

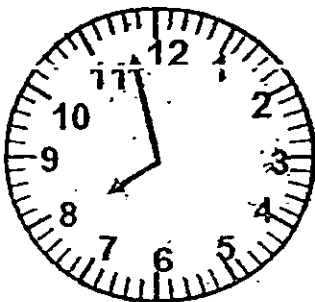
Ans: _____ kg

37. Kumar bought 8 plates for \$18. How much does each plate cost?

Ans: \$ _____

38. When Sarah was having her dinner, she looked at the clock.

Write the time using the 24-hour clock.



Ans: _____

39. Eugene was given some money. He spent \$3.35 on a notebook and all of the remainder on 5 pens that cost \$1.40 each. How much money did he have at first?

Ans: \$ _____

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this space

40. The sum of two numbers is 37.59. One of the numbers is 13.35 bigger than the other. What is the smaller number?

Ans: _____

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.

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this space

-
41. Linda bought 24 packets of sweets for her birthday party. Each packet had 35 sweets. She had 40 classmates and each classmate received 13 sweets. How many sweets were left?

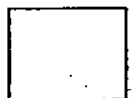
Ans; _____ [4]



42. At a concert, $\frac{3}{9}$ of the audience were men. $\frac{1}{9}$ of the audience were women and the rest were children. There were 540 more children than men. How many women were at the concert?

Do not write in this space

Ans: _____ [4]



43. Three friends have a total of 103 sweets. Mary has thrice as many sweets as Don. Ravi has 9 sweets fewer than Mary. How many sweets does Ravi have?

Do not write in
this space

Ans: _____ [4]



14. Mrs Low baked 370 more cupcakes than Emma. After Mrs Low sold 150 of her cupcakes, she had 5 times as many cupcakes as Emma:

- (a) How many cupcakes did Emma bake?
- (b) How many cupcakes did Mrs Low bake?

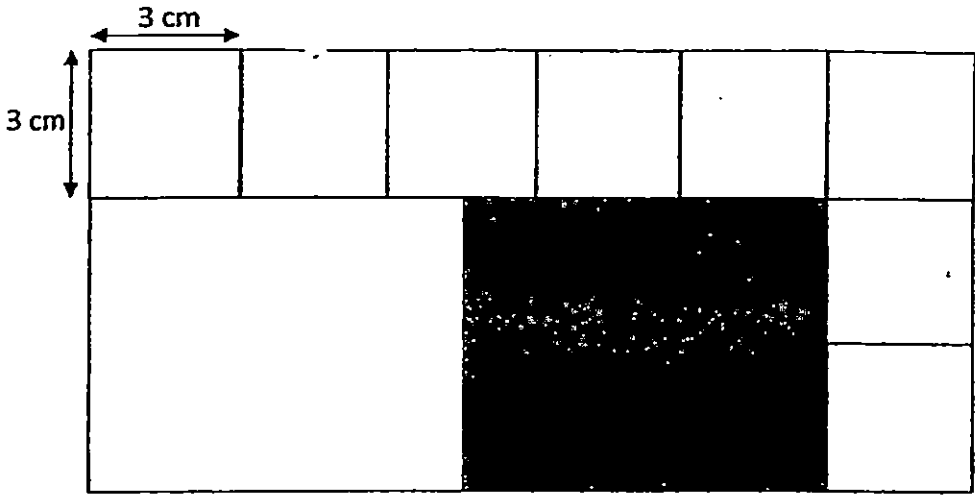
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Ans: (a) _____ [2]

(b) _____ [2]



45. The figure below is made up of 8 identical 3-cm squares and 2 identical rectangles. Find the area of the shaded rectangle.



Do not write in this space

_____ [4]



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



EXAM PAPER 2015

LEVEL : PRIMARY 4

SCHOOL : ROSYTH SCHOOL

SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	1	2	2	2	2	3	1	3	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	20
3	2	3	2	4	4	1	2	3	1

Q21. 400

Q22. 52

Q23. $\frac{1}{2}$

Q24. $\frac{1}{3}$

Q25. $5\frac{2}{7} \rightarrow 37 \div 7 = 5R2, 7 \times 5 = 35, 35 + 2 = 37$

Q26. $18^\circ \rightarrow 90 - 72 = 18, 18 + 72 = 90$

Q27. $\frac{7}{10}$

Q28. 14

Q29. 0.03

Q30. $\frac{2}{3} \rightarrow 5 + 7 = 12, 12 - 4 = 8, \frac{8}{12} = \frac{2}{3}$

Q31. 547 students $\rightarrow 102 = 211 + 87 \times 147 = 547$

Q32. \$14,112 $\rightarrow 147 \times 96 = 14,112$

Q33. $140m^2 \rightarrow 14 - 4 = 10, 20 - 6 = 14, 14 \div 2 = 7, 7 \times 10 = 70, 70 \times 2 = 140$

Q34. 32cm $\rightarrow 8 \times 8 = 64, 8 \times 4 = 32$

Q35. 2.17 $\rightarrow 1.3 + 0.87 = 2.17$

Q36. 83.07kg $\rightarrow 34.78 + 48.29 = 83.07$

Q37. \$2.25 $\rightarrow 18 \div 8 = 2.25$

Q38. 1958 $\rightarrow 7.58 \rightarrow 1958$

Q39. \$10.35 $\rightarrow 1.40 \times 5 = 7, 7 + 335 = 10.35$

Q40. 12.12 $\rightarrow 37.54 - 13.35 = 24.24, 24.24 \div 2 = 12.12$

Q41. 320 \rightarrow All sweets = $24 \times 35 = 840$, Sweets for classmate = $40 \times 13 = 520$,
Left = $840 - 520 = 320$

Q42. 270 $2u = 540, 1u = 540 \div 2 = 270$

Q43. 39

$7u = 103 + 9 = 112$

$1u = 112 \div 7 = 16$

$3u = 16 \times 3 = 48$

$R = 48 - 9 = 39$

Q44a. 55 $\rightarrow 4u = 370 - 150 = 220, 1u = 220 \div 4 = 55$

Q44b. 425 $\rightarrow 5u = 55 \times 5 = 275, \text{Mrs Low} \rightarrow 275 - 150 = 125$

Q45. $45cm^2$

(Length) 2 rectangles = $3 \times 5 = 15$

(Length) 1 rectangle = $15 \div 2 = 7.5$

Breath = $3 \times 2 = 6$

Area of shaded rectangle = $7.5 \times 6 = 45$