First Semestral Assessment 2016
Mathematics
Primary 4

Total 100

Name: _____

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

Date: 10 May 2016 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 20 printed pages altogether.

Section A

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.

(40 marks)

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1. In which of the following numbers does the digit 7 stand for 7000?

   (1) 12 758

   (2) 36 274

   (3) 57 983

   (4) 71 253

2. A number is 500 when rounded off to the nearest ten. What could the number be?

   (1) 489

   (2) 499

   (3) 505

   (4) 514

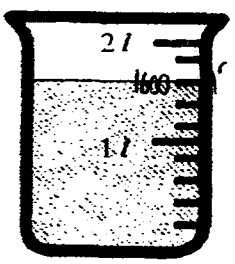
3. How many litres of water are there in the container?

   (1) $1\frac{3}{10}\ l$

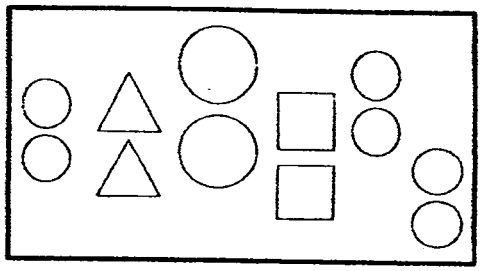
   (2) $1\frac{1}{2}\ l$

   (3) $1\frac{3}{5}\ l$

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



4. What fraction of the shapes are circles?



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

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

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

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

5. What is the remainder when 519 is divided by 5?

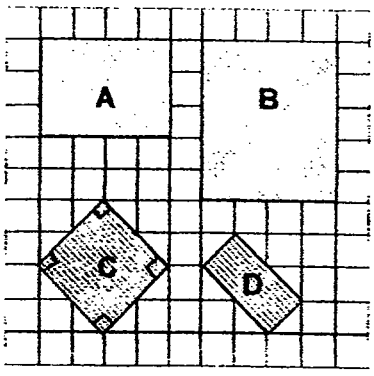
(1) 1

(2) 2

(3) 3

(4) 4

6. Which of the following shape is a square?



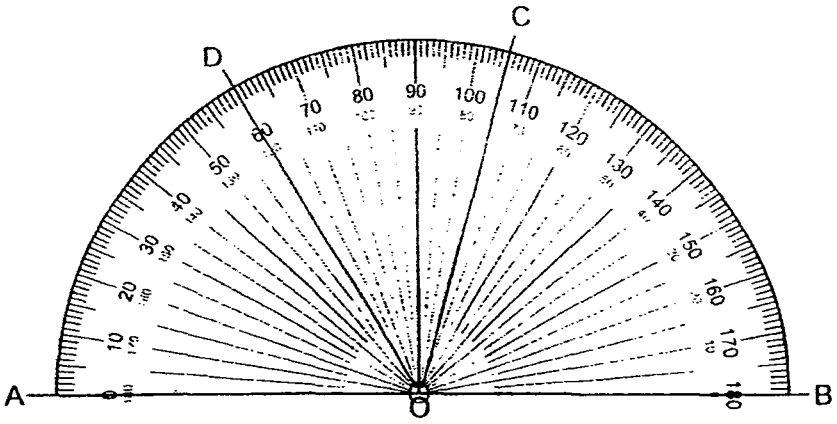
(1) A

(2) B

(3) C

(4) D

7. What is the size of ∠AOC?



(1) 60°

(2) 75°

(3) 105°

(4) 120°

8. Alicia bought 3 kg of rice. She used $\frac{1}{3}$ kg of the rice. How much rice was left?

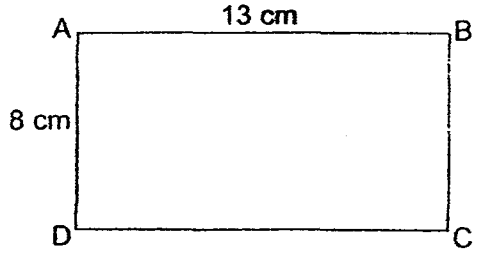
(1) 1 kg

(2) 2 kg

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

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

9. Figure ABCD is a rectangle. What is sum of the length of BC and CD?



(1) 8 cm

(2) 13 cm

(3) 21 cm

(4) 42 cm

10.

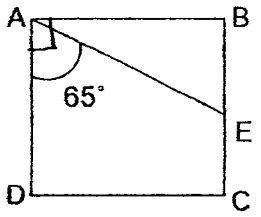
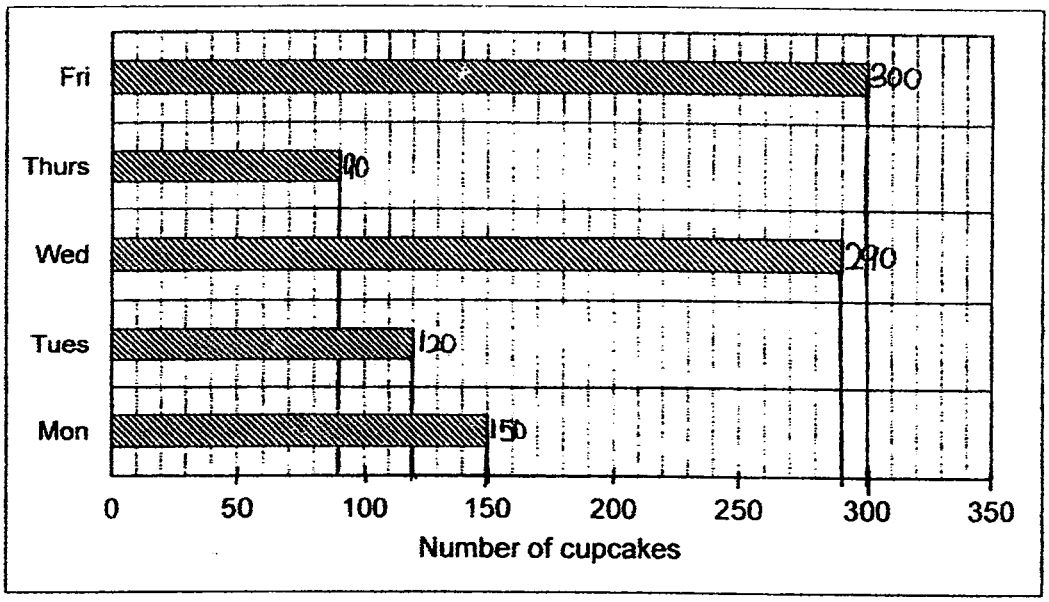


Figure ABCD is a square. Find ∠EAB.

(1) 15°
(2) 25°
(3) 35°
(4) 45°

11. The bar graph below shows the number of cupcakes baked by Mrs Lim from Monday to Friday.



Mrs Lim baked twice as many cupcakes on _____ as on Monday.

(1) Tues
(2) Wed
(3) Thurs
(4) Fri

12. Chandra and his sister ordered a pizza. Chandra ate $\frac{1}{3}$ of the pizza. His sister ate $\frac{5}{9}$ of the pizza. What fraction of the pizza was left?

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

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

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

(4) $\frac{8}{9}$

13. In a pizza shop, Jason bought 16 whole pizzas and he cut each whole pizza into 8 slices. How many slices of pizza did he have?

(1) 6

(2) 24

(3) 48

(4) 128

14. There are 2 teachers and 38 pupils in a class party.
The teachers ate 2 nuggets each while the pupils ate 3 nuggets each.
How many nuggets were there?

(1) 116

(2) 118

(3) 190

(4) 200

15. The difference between two numbers is 12. The greater number is 4 times of the smaller number. What is the greater number?

(1) 15

(2) 16

(3) 3

(4) 48

16. The table below shows the marks scored by Bala in his examination.

	Marks
English	?
Mathematics	?
Science	93
Total	**237**

Bala scored twice as many marks for Mathematics than for English.
How much did he score for English?

(1) 36
(2) 48
(3) 72
(4) 96

17. The cost of a table, shelf and a television is $1288.
The television is twice as much as the shelf.
The shelf is twice as much as the table. What is the cost of the shelf?

(1) $184
(2) $322
(3) $368
(4) $736

18. Mrs Devi made some apple tarts. She gave $\frac{3}{5}$ of the tarts to her friends. She had 60 tarts left. How many tarts did she give away?

(1) 30
(2) 36
(3) 90
(4) 150

19. Primary 1B has 30 students. $\frac{2}{5}$ of the students are girls. How many girls are there in Primary 1B?

(1) 6
(2) 12
(3) 15
(4) 18

20. Ihsan goes to the library every 2 days Jackson goes to the library every 4 days. If they first met each other in the library on a Sunday. when would be the next time they meet each other again?

(1) Friday
(2) Saturday
(3) Wednesday
(4) Thursday

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(40 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

21. What number is 100 more than 9974?

Ans: _____

22. Round off 7285 to the nearest hundreds.

Ans: _____

23. 6372 ÷ 6 = _____

Ans: _____

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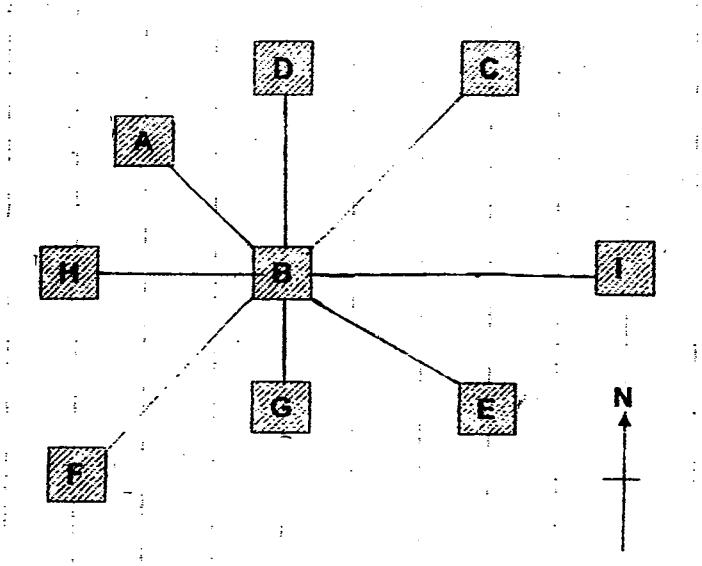
24. Write $\frac{34}{3}$ as a mixed number in its simplest form.

Ans: _____

25. What is $\frac{2}{7}$ of 21?

Ans: _____

26.



Which letter is Southwest of B?

Ans: _____

(Go on to the next page)

The graph below shows the number of pupils who borrowed books from the library in a week.

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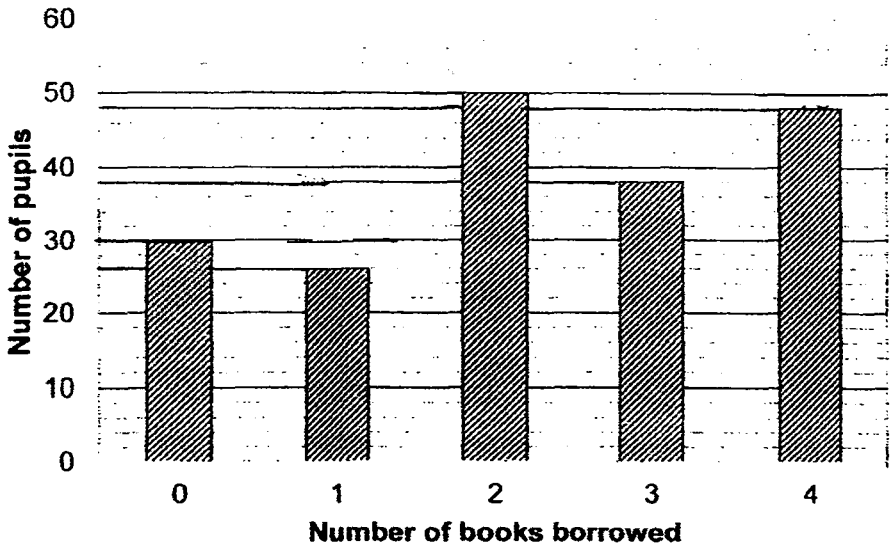

27. How many pupils borrowed more than 2 books?

Ans: _____

28. What is the sum of all the factors of 18?

Ans: _____

(Go on to the next page)

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29. Arrange $\frac{5}{2}$, $1\frac{1}{2}$, $\frac{9}{4}$ beginning with the smallest.

Ans: _____ , _____ , _____
Smallest

30. Milk was sold at $8 for 2 bottles. Jolene bought 10 such bottles. How much did she pay?

Ans: $ _____

31. Nicholas bought 4 identical toy cars at the same cost.
He gave the cashier $50 and received a change of $18.
How much did 1 such toy car cost?

Ans: $ _____

(Go on to the next page)

32. What improper fraction does the letter B represent?

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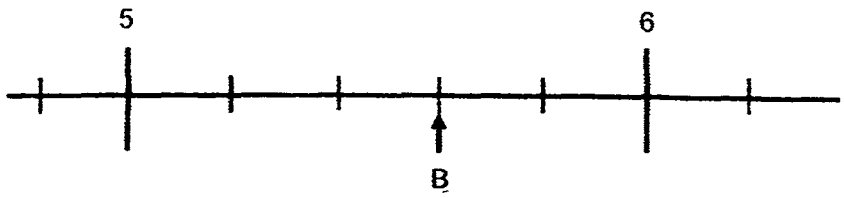

Ans: _____

33. Geraldine had $42. She used $14 to buy a watch. What fraction of her money had she left? Express your answer in the simplest form.

Ans: _____

34. How many eighths are there in $1\frac{3}{8}$?

Ans: _____

35. Hamid read $\frac{1}{5}$ of a story book. If he read 29 pages, how many pages are there in his story book?

Ans: _____

(Go on to the next page)

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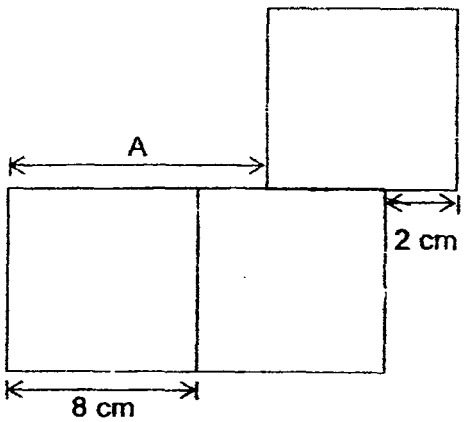
36. Farah bought $\frac{3}{8}$ m of ribbon. Her mother gave her another $\frac{1}{4}$ m of ribbon.

What is the total length of ribbon that she has now?

Express your answer as a mixed number in its simplest form.

Ans: _____ m

37.



The figure above is made up of 3 similar squares. What is the length A?

Ans: _____ cm

(Go on to the next page)

38.

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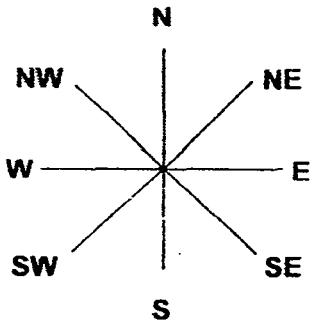

I am facing North-west. If I turn 135° anticlockwise,

I will be facing _____.

Ans: _____

Study the table below carefully and answer question 39 and 40.

The table below shows the incomplete information of the total amount of money and the number of notes Hazifah and Eva have.

	Number of $2 notes	**Number of $5 notes**	**Total amount of money**
Hazifah	5	7	?
Eva	?	9	$99

39. How much money did Hazifah have?

Ans: $ _____

40. How many $2 notes did Eva have?

Ans: _____

(Go on to the next page)

Section C

For Questions **41** to **45**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets ( ) at the end of each question or part-question. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

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41. Bernice has some ribbons. She has 10 more red ribbons than blue ribbons. She has 6 more blue ribbons than green ribbons. How many ribbons does she have if there are 20 green ribbons?

Ans: _____

(Go on to the next page)

42. Mr Khoo bought 4 cartons of soft drinks. Each carton had 24 cans of soft drinks.

a) How many cans of soft drinks were there altogether?

b) After a party, only $\frac{3}{8}$ of the soft drinks were left. How many cans of soft drinks were drunk at the party?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

43. Mrs Joseph bought some chocolate bars. She divided them equally among 9 pupils. Each pupil received 6 chocolate bars and Mrs Joseph had 11 chocolate bars left.

a) How many chocolate bars were there altogether?

b) If one box contained 5 chocolate bars, how many boxes were there?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

44. The bar graph below shows the sale of books from October to March.

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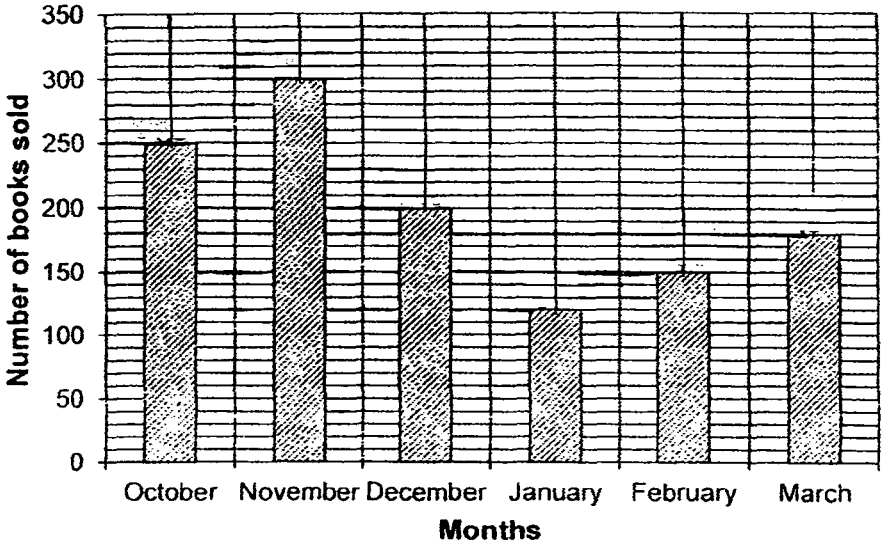

(a) On which month was there the least number of books sold?

(b) The cost of each book is $4. What is the total amount of money collected from the sale of books from October to March?

Ans: (a) _____ [1]

(b) _____ [3]

(Go on to the next page)

45. Nelly, Yvonne and Aminah saved $345 altogether.
Nelly's savings was $55 more than Yvonne.
Aminah saved twice as much as Nelly.
How much did Yvonne save?

Do not write in this space

Ans: _____ [4]

End of Paper

ANSWER KEY

YEAR : 2016
LEVEL : PRIMARY 4
SCHOOL : ROSYTH
SUBJECT : MATHEMATICS
TERM : SA1

Section A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	3	4	4	3	3	3	3	2
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	1	4	2	2	2	3	3	2	4

Section B

Q21 10 074

Q22 7300

Q23 1062

Q24 $11\frac{1}{3}$

Q25 $21 \div 7 \rightarrow 3$
$3 \times 2 \Rightarrow \underline{6}$

Q26 F

Q27 $38 + 48 \Rightarrow \underline{86 \text{ pupils}}$

Q28 Factors of 18 $\rightarrow \underline{1, 2, 3, 6, 9, 18}$
$\underline{39}$

Q29 $1\frac{1}{2}, \frac{9}{4}, \frac{5}{2}$

Q30 $\$8 \times 5 \Rightarrow \underline{\$40}$

Q31 $50 - $18 → $32
$32 ÷ 4 ⇒ <u>$8 each toy car</u>

Q32 $5\frac{3}{5} = \frac{25}{5} + \frac{3}{5} \Rightarrow \underline{\frac{28}{5}}$

Q33 $42 - $14 → $28
$\frac{28}{42}\} \frac{2}{3}$

Q34 $1\frac{3}{8} = \frac{8}{8} + \frac{3}{8} \rightarrow \frac{11}{8} \Rightarrow \underline{11}$

Q35 29 x 5 ⇒ <u>145 pages</u>

Q36 $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} \Rightarrow \underline{\frac{5}{8}}$ m

Q37 8 cm + 2 cm ⇒ <u>10 cm</u>

Q38 South

Q39 5 x 2 = 10
7 x 5 = 35
10 + 35 ⇒ <u>$45</u>

Q40 5 x 9 = 45
99 – 45 = 54
54 ÷ 2 ⇒ <u>27</u>

Section C

Q41

1u → 20
3u → 20 x 3 = 60
Excess → 10 + 6 + 6 = 22
Total → 60 + 22 ⇒ 82 ribbons

Q42

(a) 24 x 4 ⇒ 96 cans

(b) 8u → 96
1u → 96 ÷ 8 = 12
5u → 12 x 5 ⇒ 60 cans

Q43

(a) 9 x 6 → 54
Total → 54 + 11 ⇒ 65 chocolate bars

(b) 65 ÷ 5 ⇒ 13 boxes

Q44

(a) January

(b) 250 + 300 + 200 = 750
750 + 120 + 150 + 180 = 1200
1200 x $4 ⇒ $4800

Q45

Extra → $55 x 3 = $165
4u → $345 - $165 = $180
1u → $180 ÷ 4 ⇒ $45

End