

Name: _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4

Semestral Assessment One

Mathematics

10 May 2010

Booklet A

TOTAL TIME FOR BOOKLETS A AND B: 1 hour 45 minutes

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

This paper consists of 9 printed pages including the cover page.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. Which one of the following shows the correct numeral for seventeen thousand, three hundred and eight?

- (1) 7 308
- (2) 7 380
- (3) 17 308
- (4) 17 380

2. Which one of the following numbers has the digit 3 that represents 3 ten thousands?

- (1) 3 670
- (2) 13 506
- (3) 20 731
- (4) 37 159

3. What is the missing number in the number pattern below?

19 647, 19 747, 19 847, 19 947, _____

- (1) 19 047
- (2) 19 900
- (3) 20 047
- (4) 20 057

4. What is 70 996 when rounded off to the nearest ten?

- (1) 71 000
- (2) 71 006
- (3) 71 900
- (4) 71 990

5. What is the sum of the 4th, 6th and 12th multiple of 7?

- (1) 22
- (2) 29
- (3) 144
- (4) 154

6. Which one of the following numbers does not have 3 and 6 as its factors?

- (1) 69
- (2) 72
- (3) 84
- (4) 108

7. At an IT show, Mr Bok wanted to get 8 laptops at \$848 each for his company. Which one of the following number sentences should he use to find the best total estimated cost?

- (1) 800×8
- (2) 800×10
- (3) 850×8
- (4) 850×10

8. Melvin placed 10 similar poles in a row with equal distances between them. If the distance between the second and the fifth pole is 240 cm, what is the distance between the first and the last pole?

- (1) 800 cm
- (2) 720 cm
- (3) 600 cm
- (4) 540 cm

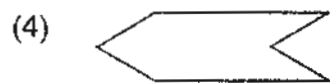
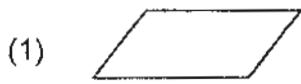
9. Ray and Mick had a total of \$3340. Ray had 4 times as much money as Mick. Mick spent \$46 on a shirt. How much money did Mick have left?

- (1) \$835
- (2) \$789
- (3) \$668
- (4) \$622

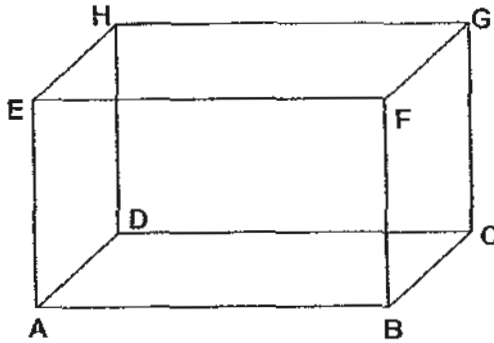
10. Gloria bought a set of sofa and 6 identical sets of curtains for \$3000. If the set of sofa cost \$450, how much more did Gloria pay for the set of sofa than each set of curtains?

- (1) \$25
- (2) \$75
- (3) \$425
- (4) \$2 100

11. Which one of the following figures has both parallel and perpendicular lines?



Use the figure below to answer questions 12 and 13.



12. How many horizontal lines are there in the figure?
- (1) 12
 - (2) 8
 - (3) 6
 - (4) 4
13. Which one of the following statements is incorrect about the figure?
- (1) Line EH is parallel to FG.
 - (2) Line HD is perpendicular to DC.
 - (3) Line FB is parallel to GC and DC.
 - (4) Line AE, HD and GC are vertical lines.

14. How many tenths are there in $6\frac{2}{5}$?

(1) 22

(2) 32

(3) 44

(4) 64

15. What is the sum of $\frac{3}{4}$ and $\frac{5}{12}$ in the simplest form?

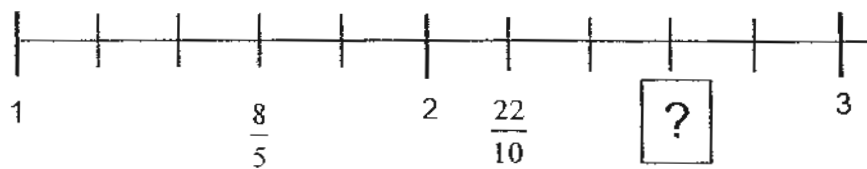
(1) $\frac{1}{2}$

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

(3) $1\frac{1}{6}$

(4) $1\frac{2}{12}$

16. What is the missing fraction in the box below?



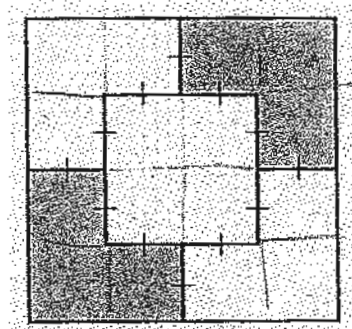
(1) $\frac{14}{5}$

(2) $\frac{24}{10}$

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

(4) $2\frac{3}{5}$

17. What fraction of the figure is unshaded?



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

(2) $\frac{5}{8}$

(3) $\frac{5}{16}$

(4) $\frac{11}{16}$

Study the table carefully and answer questions 18 to 20.

The table below shows the number of pupils from three classes who took part in different sports as their CCA.

Class	Tennis	Badminton	Football	Basketball
Primary 4B	6	10	12	12
Primary 4D	6	5	6	A
Primary 4L	9	7	14	12
Total	21	22	32	30

18. What is the missing number represented by A?
- (1) 24
 - (2) 17
 - (3) 14
 - (4) 6
19. How many more pupils prefer football to tennis?
- (1) 53
 - (2) 32
 - (3) 21
 - (4) 11
20. If there were a total of 80 pupils in Primary 4D and Primary 4L, how many pupils from these two classes did not sign up for any sports as their CCA?
- (1) 15
 - (2) 19
 - (3) 25
 - (4) 65

End of Booklet A

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4

Semestral Assessment One

Mathematics

10 May 2010

Booklet B

Booklet A:	/ 40
Booklet B :	/ 60
Total Marks	/ 100

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 hour 45 minutes

Do not turn over this page until you are told to do so.
Follow all instructions carefully.

This paper consists of 16 printed pages including the cover page.

Section B: (20 x 2 marks)

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Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

1. Use the following digits to form the smallest 5-digit number which has the digit 6 in the ones place.



Ans: _____

2. What is the common factor of 12 and 24 which is also a factor of 27?
This number is greater than 1.

Ans: _____

3. 20 001 less than _____ is 60 003.

Ans: _____



4. Andy, Zarc, Marcel and Terry take part in different sports. The sports are swimming, tennis, netball and basketball. Zarc is the brother of the basketball player. Terry's sport does not require the use of a ball. Marcel uses a racket for his sport. Which sport does Zarc play?

Please do not write in this space.

Ans: _____

5. Mr Nigel bought a used car for \$56 900, when rounded off to the nearest hundred dollars. What is the greatest amount of money that Mr Nigel could have paid for the car?

Ans: \$ _____

6. Farmer Tom has some animals in his farm. The total number of animals is an odd number that is between 30 and 60. It is a multiple of 7 and the difference between the digits is 2. How many animals does Farmer Tom have?

Ans: _____



7. Resty purchases some plates at \$8 each for her restaurants. For every 4 plates Resty buys, she receives one plate free of charge. Resty pays \$ 2 560 altogether. How many plates does she receive, free of charge, in all?

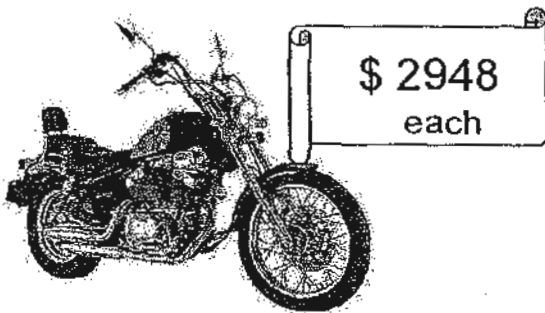
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Ans: _____

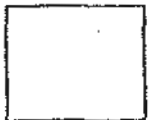
8. Find the quotient when 7 037 is divided by 7.

Ans: _____

9. What is the cost of 6 such motorcycles?



Ans: \$ _____



10. A number gives a quotient of 695 and a remainder of 3 when divided by 4.
What is the number?

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write in this
space.*

Ans: _____

11. Find the value of $3\frac{1}{12} - \frac{2}{3}$.

Ans: _____

12. Arrange the following fractions in ascending order.

$$\frac{1}{4}, \frac{3}{16}, \frac{1}{2}$$

Ans: _____



13. Mikiko shaded $\frac{5}{6}$ of the following set of stars. How many stars did she shade?

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Ans: _____

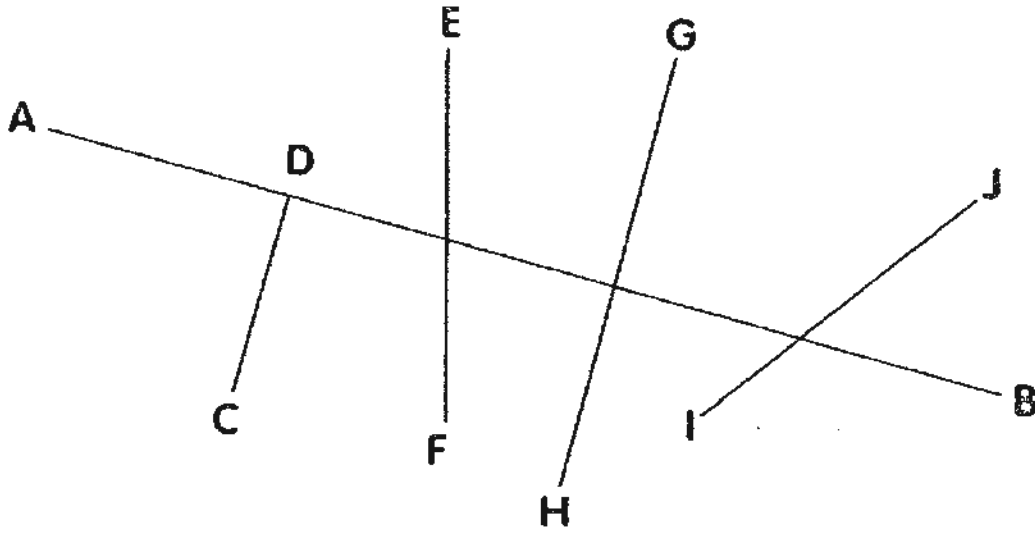
14. $\frac{3}{8}$ of the pupils at a carnival are boys. There are 198 more girls than boys. How many girls are there?

Ans: _____



15. Which 2 pairs of lines are perpendicular to AB?

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Ans: _____ and _____

16. Write down all the letters that contain only one pair of parallel lines.

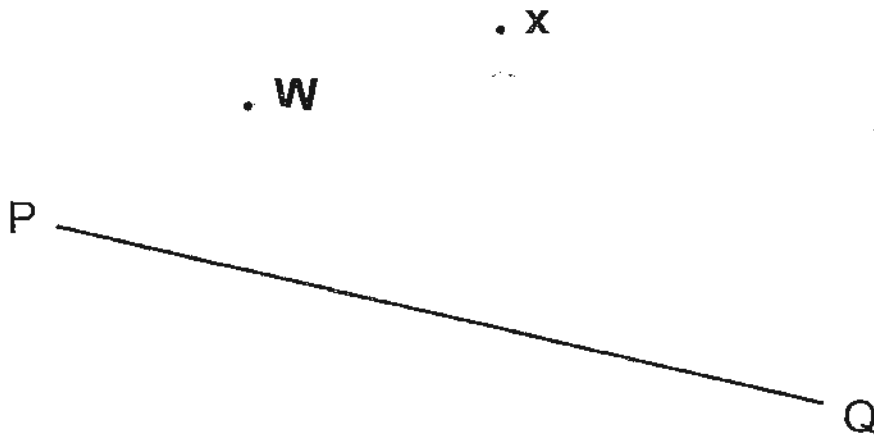
MATHS IS EASY

Ans: _____



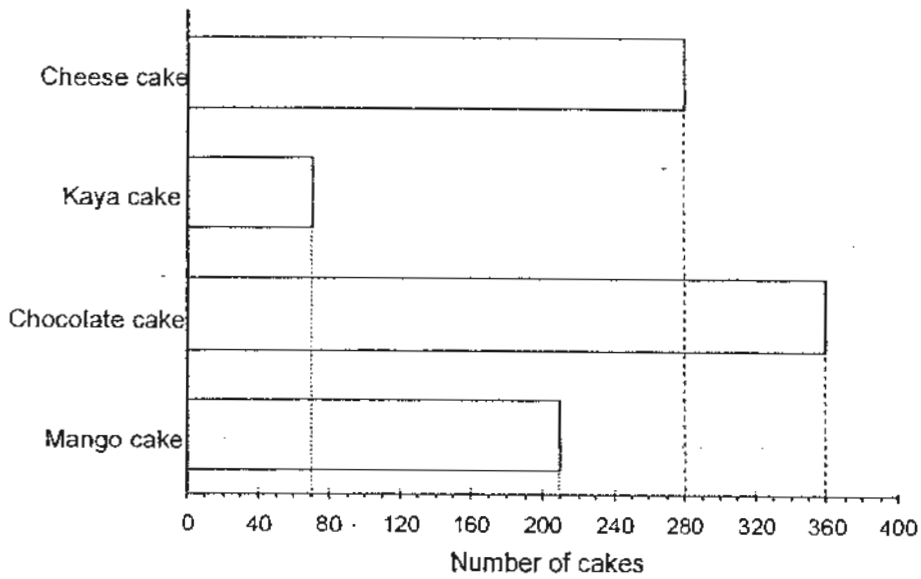
17. Draw a line perpendicular to the line PQ through the point X.
Draw another line parallel to PQ through the point W.

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Study the graph carefully and answer questions 18 and 19.
The bar graph shows the number of cakes Heavenly Bakery sold on Christmas Eve.

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18. a) _____ times as many mango cakes as kaya cakes were sold.
- b) If a total of 320 mango and kaya cakes were baked, how many mango and kaya cakes were unsold?

Ans: a) _____

b) _____

19. If Heavenly Bakery sold all its cheese and chocolate cakes to a hotel and packed them together into boxes of 6, what is the least number of boxes needed?

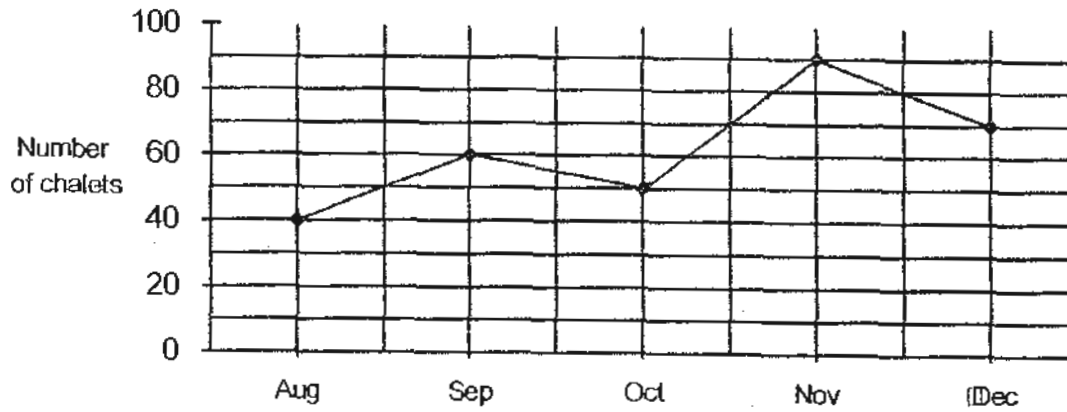
Ans: _____



Study the graph carefully and answer question 20.

The line graph shows the number of chalets rented out over five months.

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20. a) In which month was the least number of chalets rented out?
- b) If the rental fee of each chalet was \$180, how much money was collected in November?

Ans: a) _____

b) \$ _____



Section C: (20 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

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21. Ken has some marbles in a box. $\frac{1}{6}$ of the marbles are yellow and $\frac{1}{2}$ of them are blue. The remaining 160 marbles are green. How many marbles does Ken have in the box?

Ans: _____ (3)



22. Kolin bought a television, a hi-fi set and a DVD player for \$2 560.
The television cost \$1 535 more than the hi-fi set. The set of hi-fi cost \$160
more than the DVD player. How much did Kolin pay for the DVD player?

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Ans: _____ (3)



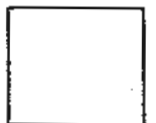
23. Mrs Mok has a packet of more than 40 candies. If she gives 5 candies to each of her pupils, she will have 3 candies left. If she gives 6 candies to each of her pupils, she will be short of 7 candies.

- (a) How many candies are there in the packet?
(b) How many pupils does Mrs Mok have?

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space.*

Ans: a) _____ (2)

b) _____ (1)



24. Uncle Tan had 2 boxes, F and G, which contained a total of 75 bottles of apple juice. Box G ~~contains~~^{contained} 7 fewer bottles than Box F. Uncle Tan transferred some bottles of ~~orange~~^{apple} juice from Box F to Box G and the number of bottles in Box G was 4 times the number of bottles in Box F. How many bottles did he transfer from Box F to Box G?

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space.*

Ans: _____ (3)



25. Mdm Lin baked 280 cupcakes. She gave 70 cupcakes to Sumei and some cupcakes to Betty. She had $\frac{3}{7}$ of the total cupcakes left.

(a) How many cupcakes had she left?

(b) What fraction of the total cupcakes baked did she give to Betty?

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write in this
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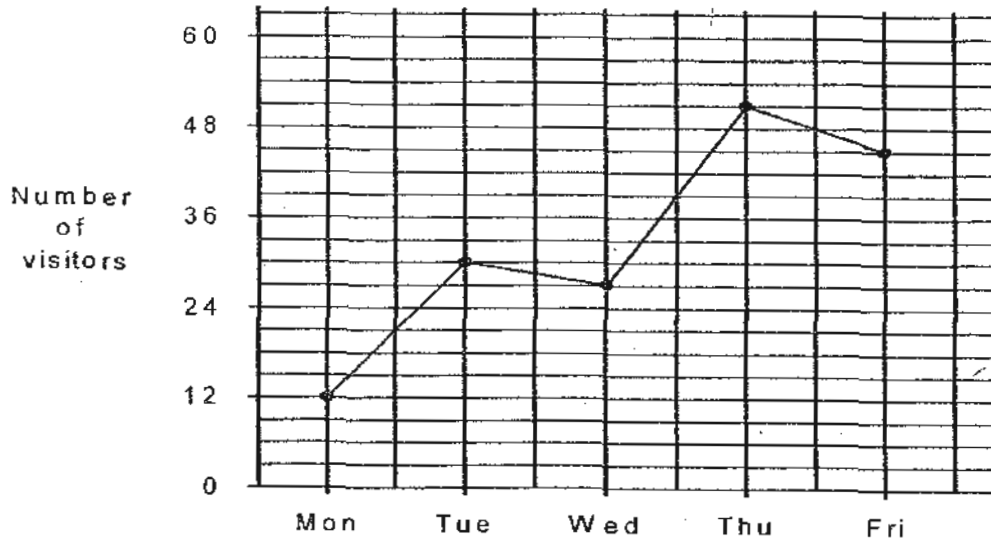
Ans: a) _____ (2)

b) _____ (2)



26. The line graph shows the number of visitors at a health talk from Monday to Friday.

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There were 30 fewer female visitors from Monday to Thursday. How many male visitors were there from Monday to Thursday?

Ans: _____ (4)

End of Booklet B

ANSWER SHEET

EXAM PAPER 2010

SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL
 SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SEMESTRAL ASSESSMENT 1

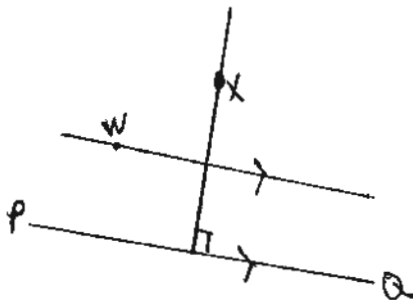
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	4	3	1	4	1	3	2	4	1	3	2	3	4	3	4	2

Q18	Q19	Q20
4	4	1

Section B

- Q1)30676 Q2)3 Q3)80004 Q4)netball Q5)\$56 949
 Q6)35 animals Q7)80plates Q8)1005 Q9)\$17688 Q10)2783
 Q11) $29\frac{12}{12}$ Q12) $3\frac{1}{16}, 1\frac{1}{4}, 1\frac{1}{2}$ Q13)20 stars Q14)495girls
 Q15)DC and GH Q16)M and H

Q17)



- Q18a)3 Q18b)a:3, b:40 mangoes and kaya cakes Q19)107boxes
 Q20a)August Q20b)\$16 200

Q21) $1\frac{1}{6} + 3\frac{1}{6} = 4\frac{2}{6}$
 $1 - 4\frac{2}{6} = 2\frac{4}{6}$
 $160 \div 2 = 80$
 $80 \times 6 = 480$

There are 480 marbles in the box.

Q22) $2560 - 1535 = 1025$
 $160 \times 2 = 320$
 $1025 - 320 = 705$
 $\$705 \div 3 = \235

Kolin paid \$235 for the DVD player.

Q23) (remainder+shortage) ÷ difference = no. of people sharing
 $(3+7) \div 1 = 10 \div 1 = 10$
 $10 \times 5 = 50$
 $50 + 3 = 53$
 $10 \times 6 = 60$
 $60 - 7 = 53$

(a) There are 53 candles.

Q24) $75 - 7 = 68$
 $68 \div 2 = 34$
 $34 + 7 = 41$
 $75 \div 5 = 15$
 $41 - 15 = 26$

He transferred 26 bottles from box F to box G.

<p>(b) Mrs Mok has 10 pupils.</p>	
<p>Q25) $280 \div 7 = 40$ $40 \times 3 = 120$ (a) She had 120 cupcakes left. $280 - 120 = 160$ $160 - 70 = 90$ $90 / 280 = 9 / 28$ She gave $9 / 28$ of the cupcakes to Betty.</p>	<p>Q26) $12 + 30 = 42$ $42 + 27 = 69$ $69 + 51 = 120$ $120 - 30 = 90$ $90 \div 2 = 45$ $45 + 30 = 75$ There were 75 male visitors.</p>