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南侨小学

NAN CHIAU PRIMARY SCHOOL  
SEMESTRAL ASSESSMENT 2

2009

MATHEMATICS  
PRIMARY 4

Section A	20
Sections B & C	80
Total	100

Name: \_\_\_\_\_ ( )

Marks:

Class: Pr 4 \_\_\_\_\_

Time: 1 h 45 min

Date: 3 November 2009

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. Answer all questions.

\*This paper consists of 17 pages altogether.

Setter: Mr Wong S.T.

**Section A: (20 marks)**

Questions 1 to 10 carry 1 mark each.

Questions 11 to 15 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The value of the digit 2 in 80 201 is \_\_\_\_\_

- (1) 20
- (2) 200
- (3) 2000
- (4) 20 000

2. The table below shows the number of animals in four farms.

	Farm A	Farm B	Farm C	Farm D
Number of chickens	11 021	11 110	11 101	11 002
Number of ducks	900	901	905	909

Which farm has the most number of animals?

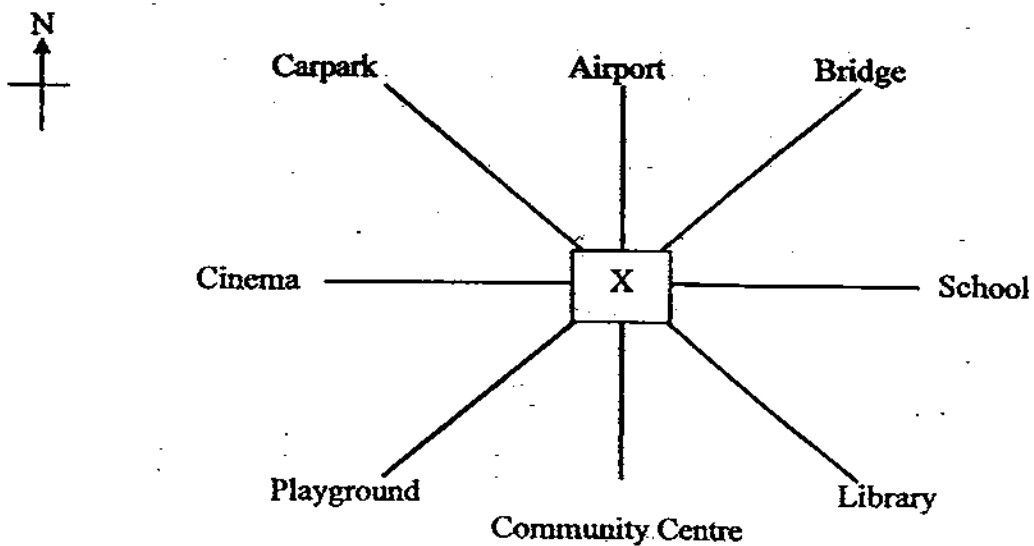
- (1) A
- (2) B
- (3) C
- (4) D

3.  $5 \frac{2}{9} = \frac{\square}{9}$

What is the missing number in the box?

- (1) 40
- (2) 42
- (3) 45
- (4) 47

4. Look at the picture below to complete the following statement.



Ivy is standing at point X and facing the airport.

The \_\_\_\_\_ is south-east of her.

- (1) bridge
- (2) carpark
- (3) library
- (4) playground

5. Express  $\frac{7}{100}$  as a decimal.

- (1) 0.007
- (2) 0.07
- (3) 0.7
- (4) 7

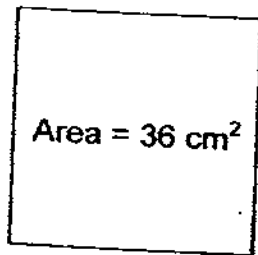
6. 3 tens 90 hundredths = \_\_\_\_\_

- (1) 0.39
- (2) 3.9
- (3) 30.09
- (4) 30.9

7. 2 min 30 s = \_\_\_\_\_ s

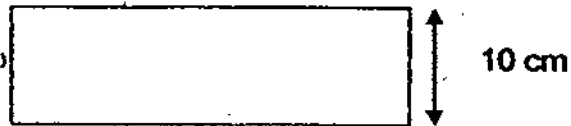
- (1) 90
- (2) 120
- (3) 150
- (4) 230

8. The square below is not drawn to scale.  
If the area of the square is  $36 \text{ cm}^2$ , find the length of its side.

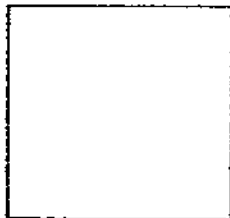


- (1) 18 cm
- (2) 12 cm
- (3) 9 cm
- (4) 6 cm

9. The rectangle below is not drawn to scale.  
The length of the rectangle is thrice its breadth.  
What is the perimeter of the rectangle?



- (1) 20 cm  
(2) 40 cm  
(3) 80 cm  
(4) 300 cm
10. How many lines of symmetry are there in a square ?



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

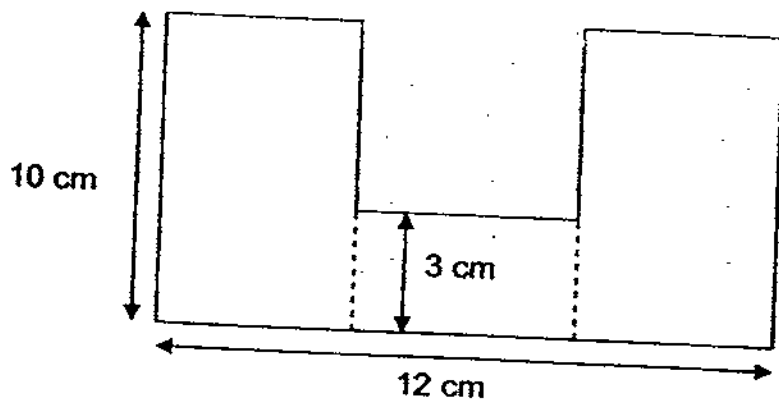
11. Peter had \$ 3.24. He had 15 cents more than Ken. How much did they have altogether ?

- (1) \$ 3.09
- (2) \$ 3.39
- (3) \$ 6.33
- (4) \$ 6.63

12.  $8 \div 3 =$  \_\_\_\_\_  
Round off your answer to 1 decimal place.

- (1) 2.6
- (2) 2.7
- (3) 3.0
- (4) 3.1

13. The figure below is not drawn to scale. It is made up of 3 rectangles. What is the perimeter of the figure ?



- (1) 25 cm
- (2) 44 cm
- (3) 50 cm
- (4) 58 cm

14. Gemin had thrice as much money as Jane.  
Angie had twice as much money as Gemin.  
If Gemin and Angie had \$ 29.70 altogether, how much more money did Angie have than Jane ?

- (1) \$ 6.60
- (2) \$ 16.50
- (3) \$ 19.80
- (4) \$ 24.75

15. Richard, John and Peter had 12 215 stamps .  
Richard had 5188 stamps more than John.  
Peter had 250 stamps more than John.  
How many stamps did John have ?

- (1) 2259
- (2) 2374
- (3) 2590
- (4) 2660

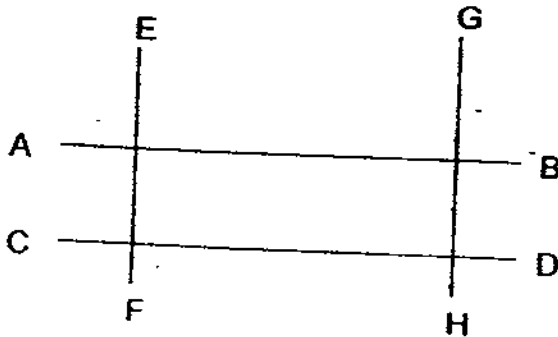
**Section B : (40 marks)**

Questions 16 to 35 carry 2 marks each.

For each question, show your working clearly and write your answer in the box provided. Give your answer in the unit stated.

16.  $5 + 808 + 30\,000 =$  \_\_\_\_\_

17. In the figure below, AB is parallel to \_\_\_\_\_



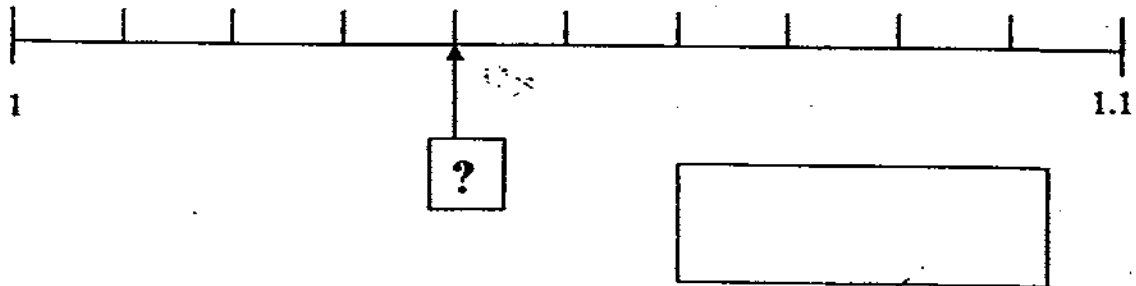
18. What is the perimeter of a square with sides 9 cm ?

 cm

19. Express 5 thousandths as a decimal.



20. What is the missing decimal in the box ?



21. 1.864 rounded off to 2 decimal places is \_\_\_\_\_.

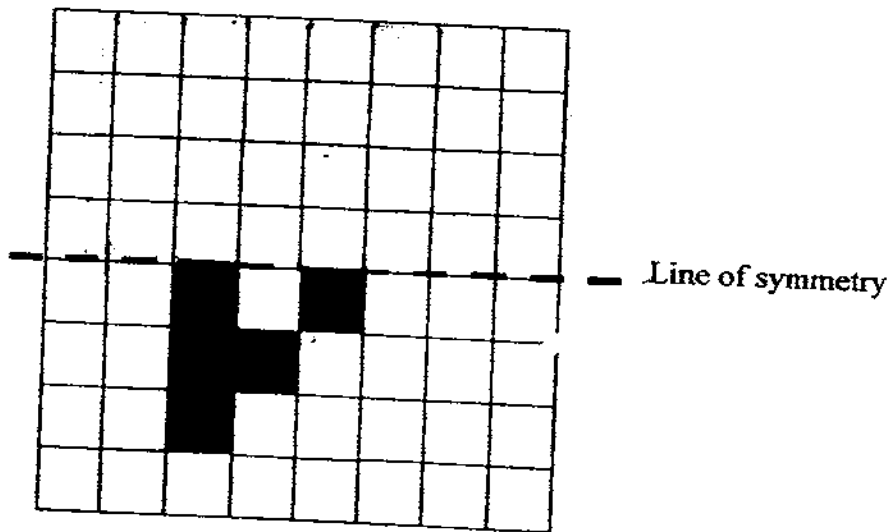
22. Express 9.002 as a mixed number.

23.  $2.3 + 1.02 =$  \_\_\_\_\_.

24. The figure below is not drawn to scale.  
In the figure, how many angles are greater than a right angle ?

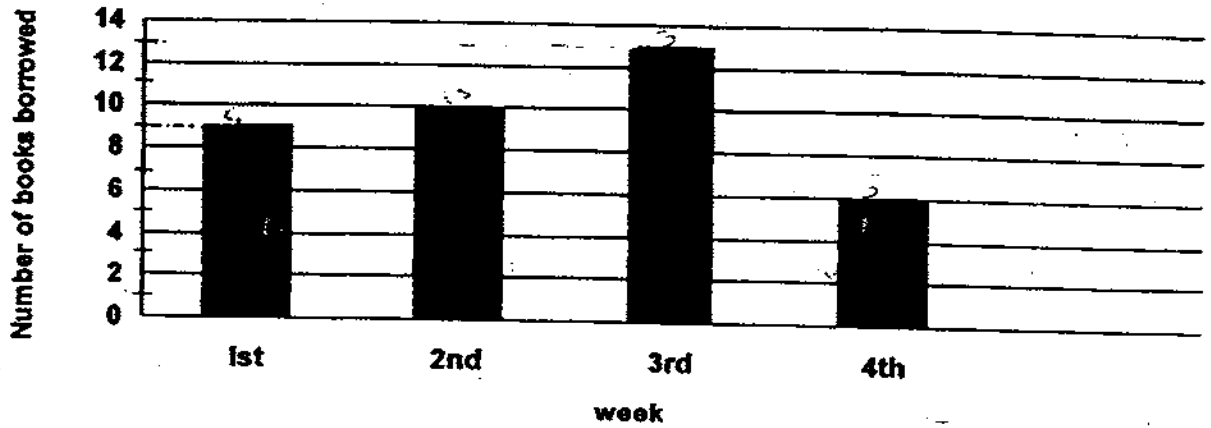



25. The figure below shows half of a symmetric pattern.  
Shade the correct squares to make it a symmetric pattern.



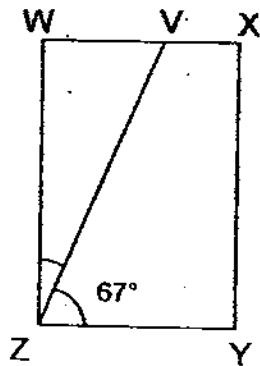
26.  $\frac{7}{12} - \frac{1}{6} =$  \_\_\_\_\_

27. The graph below shows the number of books borrowed by Maria in four weeks.



How many more books did Maria borrow in the 3rd week than in the 4th week ?

28. The figure below is not drawn to scale. WXYZ is a rectangle and  $\angle VZY = 67^\circ$ . Find  $\angle WZV$ .



29. The decimals below form a pattern.  
What is the missing decimal in the box ?

0.45, 0.39, ?, 0.3, 0.27, 0.25, 0.24

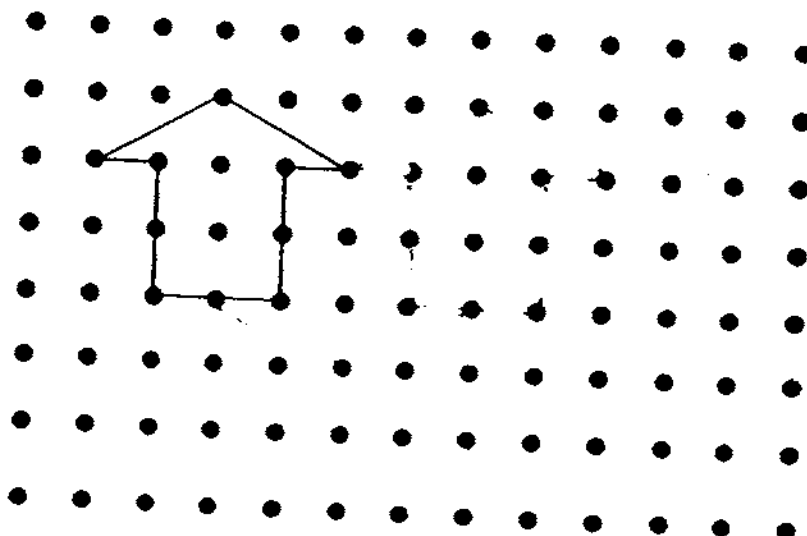
30. Ken took 45 minutes to travel to school from his house.  
If he reached his school at 7.20 a.m., at what time did he leave his house?

a.m.

31. The perimeter of a rectangle is 92 cm.  
If the breadth of the rectangle is 8 cm, what is the area of the rectangle ?

cm<sup>2</sup>

32. Complete the tessellation below by adding 2 more unit shapes.



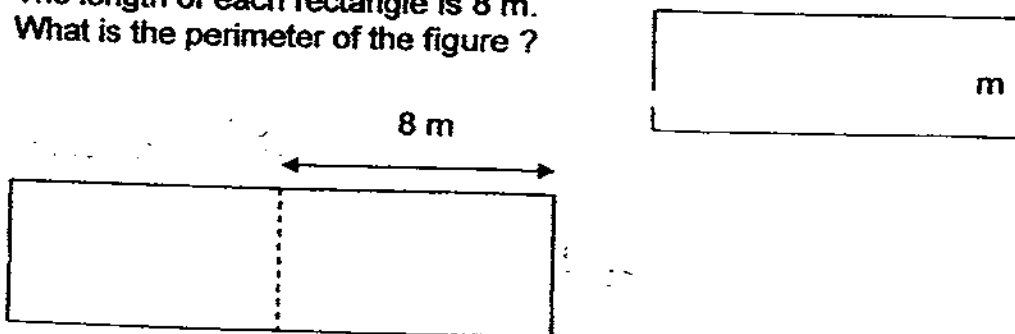
33. At first, Richie had \$ 30 and his sister did not have any money. Everyday, Richie saved \$ 2 and his sister saved \$ 8. In how many days' time would they have the same amount of money ?



34. Tammy bought a roll of wrapping paper 6.4 m long and cut it into 7 pieces. Some of the pieces were 1 m long and the rest were 0.8 m long. How many pieces of wrapping paper were 1 m long ?



35. The figure below is not drawn to scale. It is made up of 2 identical rectangles. The area of the figure is  $80 \text{ m}^2$ . The length of each rectangle is 8 m. What is the perimeter of the figure ?



**Section C : (10 x 4 marks = 40 marks)**

**Work out these problem sums carefully. For each sum, show your workings and statements clearly.**

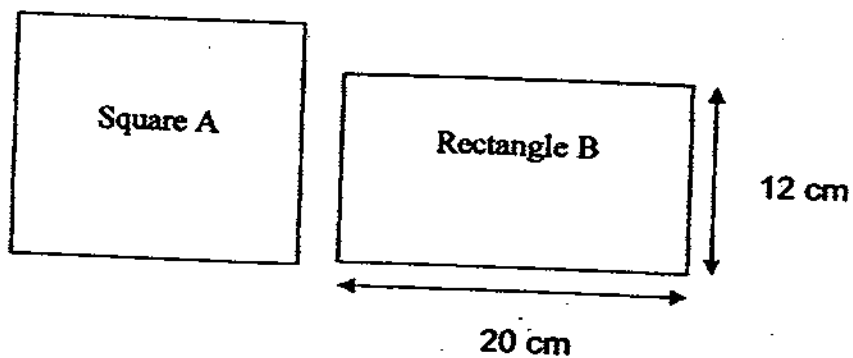
36. Ron bought 12 watches at \$ 765 each.  
After buying the watches, he had \$ 5400 left.  
How much did he have at first ?

- 
37. 8 identical machines can produce 1096 tins of milk everyday.  
How many tins of milk can 3 such machines produce in a day ?

38. At a bookfair, Lihong bought 3 comic books and 1 magazine.  
The cost of the magazine is \$ 3.60 more than the cost of 1 comic book.  
If Lihong paid \$ 8.40 altogether, what is the cost of 1 comic book ?

- 
39. The total mass of Melanie and Nora is 82.5 kg.  
The total mass of Nora and Oscar is 94 kg.  
If Oscar's mass is 48 kg, what is Melanie's mass?

40. The figure below is not drawn to scale.  
A piece of wire is just long enough to be bent either to form Square A or Rectangle B as shown below.  
What is the area of Square A ?



- 
41. Jasmine had 400 pens.  
She gave  $\frac{1}{8}$  of the pens to Tom and  $\frac{1}{2}$  of the pens to John.  
How many pens did she give away ?

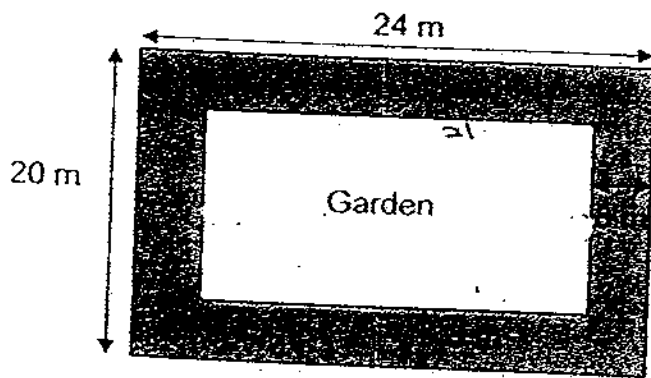


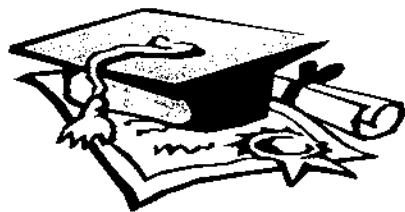
42. A pet shop owner had 6019 angelfish and 6 times as many goldfish as angelfish. If he sold 3892 fish, how many fish had he left ?

- 
43. Melanie planted 4 seedlings in a straight row.  
The seedlings were planted at the same distance apart.  
The distance between the first and the third seedlings was 28.04 m.  
What was the distance between the first and the fourth seedlings ?

44. A ship began its journey at 09 30 on 12 June and reached its destination 36 hours later.  
On what date and at what time did the ship reach its destination?

45. The figure below is not drawn to scale.  
It shows a rectangular garden with a path of width 3 m around it.  
What is the area of the path ?



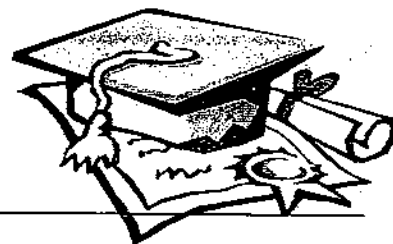


# ANSWER SHEET

**EXAM PAPER 2009**

**SCHOOL : NAN CHIAU PRIMARY**  
**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA2**



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

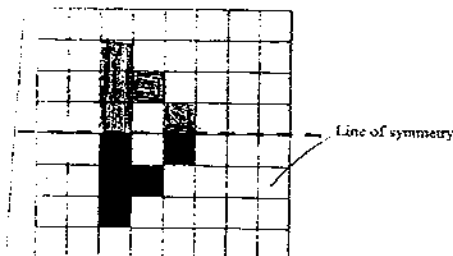
16)30813    17)CD    18)36cm    19)0.005    20)1.04    21)1.86    22)92/1000

23)3.32    24)3    25)    26)5/12    27)7

28)23°    29)0.34

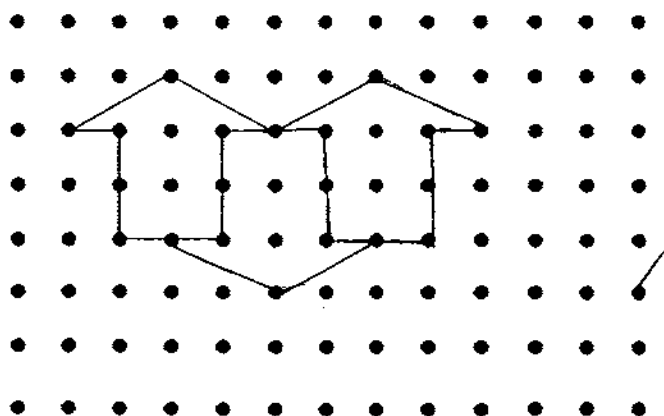
30)6.35a.m.

31)304cm<sup>2</sup>



32)

33)5 day    34)4    35)42m



36)  $\$765 \times 12 = \$9180$   
 $\$9180 + \$5400 = \$14580$   
Ron had \$14580 at first.

37)  $1096 \div 8 = 137$   
 $137 \times 3 = 411$   
3 machines can produce 411 tins of milk.

38)  $8.40 - 3.60 = 4.80$   
 $4.80 \div 4 = 1.20$   
The cost of 1 comic book is \$1.20

39)  $94\text{kg} - 48\text{kg} = 46\text{kg}$   
 $82.5\text{kg} - 46\text{kg} = 36.5\text{kg}$   
Melanie's mass is 36.5kg.

40)  $12 + 12 + 20 + 20 = 64\text{cm}$   
 $64 \div 4 = 16$   
 $16 \times 16 = 256$   
The area of square A is 256cm<sup>2</sup>

41)  $400 \div 8 = 50$   
 $50 \times 5 = 250$   
Jasmine gave 250 pens away.

42)  $6019 \times 6 = 36114$   
 $36114 + 6019 = 42133$   
 $42133 - 3892 = 38241$   
He had left 38241 fish.

43)  $28.04 \div 2 = 14.02$   
 $14.02 \times 3 = 42.06$   
The distance between the first  
and the fourth seedling is 42.06m

44) The ship reach its destination  
on 12 June, 2130

45)  $20 \times 24 = 480$   
 $18 \times 14 = 252$   
 $480 - 252 = 228$   
The area of the path is 228m<sup>2</sup>