NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2011

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	**/ 30**
Section B	**/ 40**
Section C	**/ 30**

Total: / 100

Name: _____ ( )

Class: Primary 4 ( )

Date: 1 November 2011

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SECTION A

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

(Total: 30 marks)

---

1 In the number 37 891, which digit is in the tens place?

(1) 1

(2) 7

(3) 8

(4) 9

2 Complete the following number pattern.

8, 11, 14, _____ , _____, 23

(1) 15, 16

(2) 15, 23

(3) 17, 18

(4) 17, 20

3 Which of the following numbers when rounded off to the nearest ten becomes 81 500?

(1) 81 444

(2) 81 496

(3) 81 506

(4) 81 554

4 What is the value of 209 × 25 ?

(1) 1463

(2) 5125

(3) 5225

(4) 14 630

5 Which of the following is the best estimate for 35 × 12?

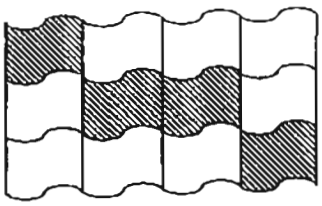
(1) 30 × 10

(2) 30 × 20

(3) 40 × 10

(4) 40 × 20

6 The figure shown is made up of identical  What fraction of the figure is shaded?



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

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

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

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

7 Joe had some money. $\frac{1}{2}$ of the amount of money that Joe had was \$24. After his mother gave him some money, the money that he had in the end was $\frac{7}{6}$ of his original amount of money. How much money did he have in the end?

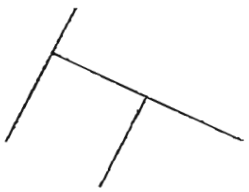
(1) \$28

(2) \$48

(3) \$56

(4) \$80

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

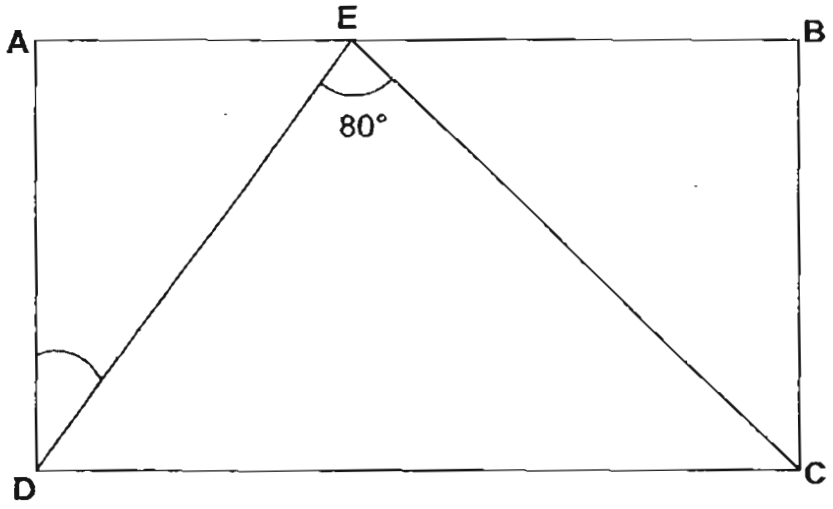
(1) 

(2) 

(3) 

(4) 

9 In the figure below, not drawn to scale, ABCD is a rectangle and CDE is a triangle. EB = BC and $\angle CED = 80°$. Find $\angle ADE$.



(1) 35°

(2) 45°

(3) 80°

(4) 125°

10 What is the number when 198.57 is rounded off to 1 decimal place?

(1) 198.0

(2) 198.5

(3) 198.6

(4) 199.0

11 Mrs Tham needed some flour to bake some cakes and cookies. She needed 2.375 kg of flour for the cakes and 3.5 kg of flour for the cookies. What was the minimum number of packets of flour that she needed to buy if the flour was sold only in packets of 1 kg?

(1) 6

(2) 5

(3) 3

(4) 4

12 In a relay race, the first driver finished one lap round the circuit in the time of 1 min 28 s. The second driver continued with the second lap and took 15 s longer than the first driver. What was the total time taken for both drivers to finish the two laps round the circuit?

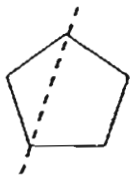
(1) 1 min 28 s

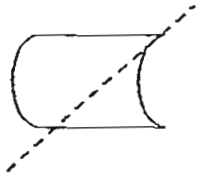
(2) 1 min 43 s

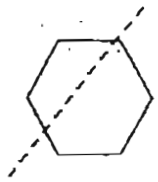
(3) 2 min 46 s

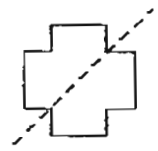
(4) 3 min 11 s

13 In which of the figures below is the dotted line a line of symmetry?

(1) 

(2) 

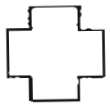
(3) 

(4) 

14 Which one of the following shapes cannot be tessellated?

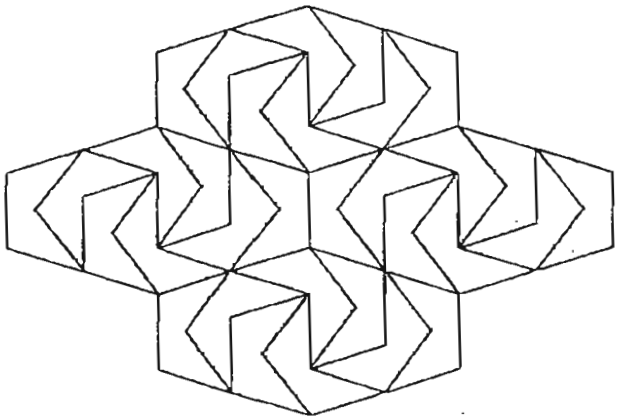
(1) 

(2) 

(3) 

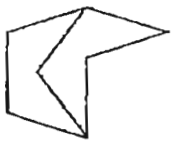
(4) 

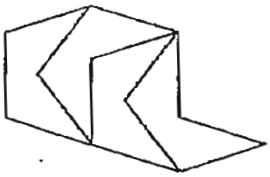
15 Look at the tessellation below.

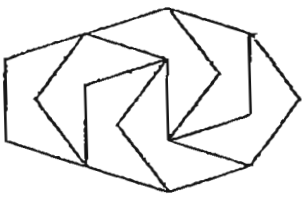


Which one of the following is the unit shape?

(1) 

(2) 

(3) 

(4) 

Name: _____( ) Class: Pr 4 ( )

SECTION B

Questions 16 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

---

16 Two factors of 6 are 1 and 6. What are the other two factors of 6?

Ans: _____

---

17 David has 8546 sweets. He wants to pack them into packets of 9 sweets each. What is the minimum number of packets that he will need to pack all the sweets?

Ans: _____

---

18 What is the value of $\frac{3}{4} + \frac{3}{8}$?

Express your answer as a mixed number.

Ans: _____

---

19 Find the value of $1 - \frac{1}{2} - \frac{1}{6}$.

Ans: _____

---

20 Which two of the fractions below are equivalent to $\frac{3}{6}$?

$$\frac{6}{12}, \frac{5}{9}, \frac{4}{8}, \frac{8}{10}$$

Ans: _____ , _____

---

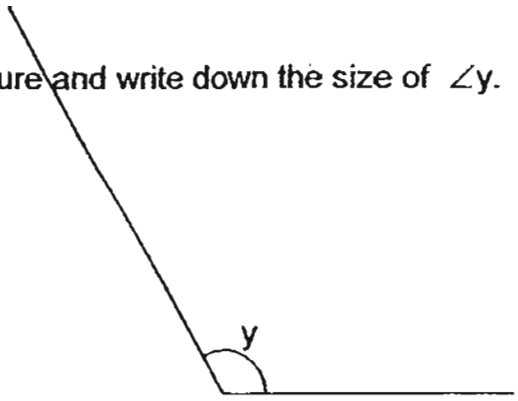
21 For every 2 ℓ of blackcurrant drink, Melissa needs to use $\frac{1}{4}$ ℓ of syrup.

How much syrup will she need to make 10 ℓ of blackcurrant drink? Express your answer as a mixed number.

Ans: _____ ℓ

---

22 Measure and write down the size of $\angle y$.



Ans: _____ °

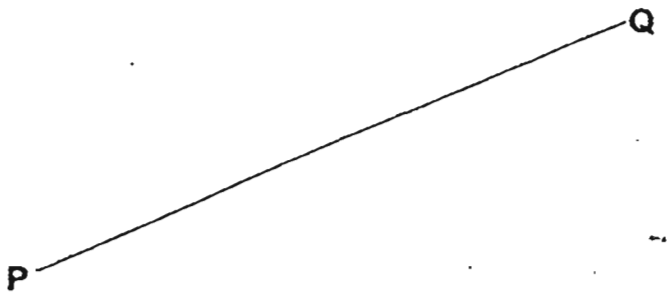
---

23 The figure below shows a line AB. Using a protractor, draw and label $\angle ABC$ of 38°.

A B

---

24 The figure below shows a line PQ and a point R. Draw a line parallel to PQ passing through point R.



R

25 The perimeter of a rectangle is 36 cm. Given that the length of the rectangle is 4 cm longer than the breadth, find the breadth of the rectangle.

Ans: _____ cm

---

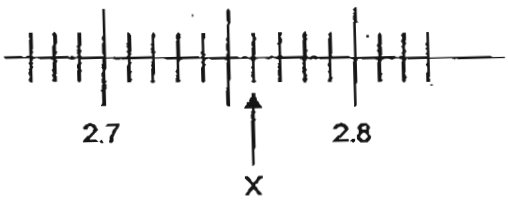
26 $0.87 = \frac{87}{\square}$

What is the missing number in the box?

Ans: _____

---

27 Write the decimal represented by X.



Ans: _____

---

28 Arrange the following numbers in order from the greatest to the smallest.

0.054 , 0.540 , 0.405

Ans: _____ , _____ , _____
(greatest) *(smallest)*

---

29 Express 0.99 as a fraction.

Ans: _____

---

30 Chris had two ropes. The shorter rope was 5.35 m. The total length of the two ropes was 32.6 m after rounding off the total length to the nearest tenth. What was the longest possible length of the longer rope? Leave your answer correct to 1 decimal place.

Ans: _____ m

---

31 James covered 3.55 km for every round that he ran around a park. What was the total distance that he covered if he ran 4 rounds around the park, assuming that he took the same route for every round he ran?

Ans: _____ km

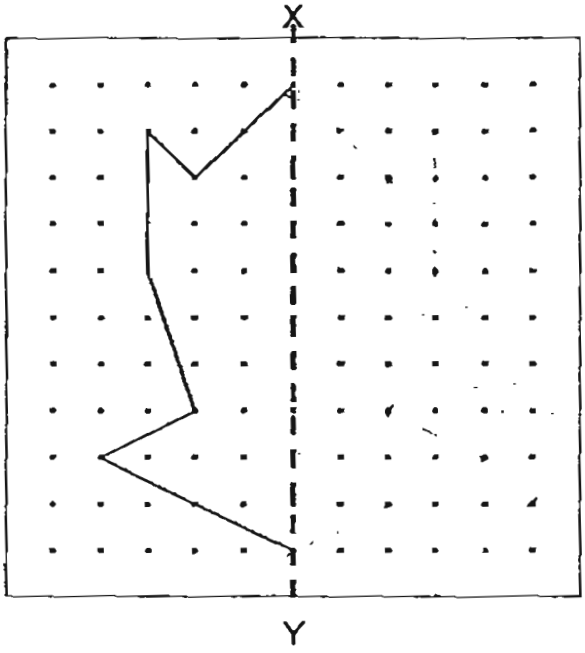
---

32 Mrs Aziz spent $22.50 on 5 packets of plastic files. There were 6 files in each packet. How much did each file cost?

Ans: $ _____

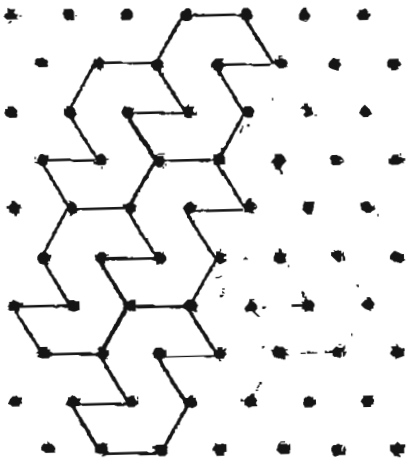
---

33 Complete the following figure with XY as the line of symmetry.



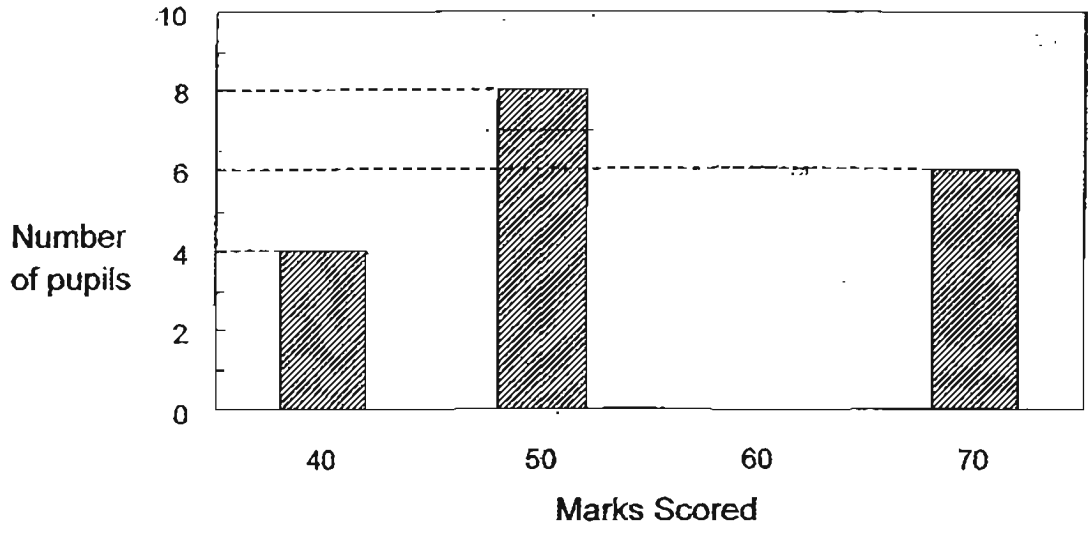
---

34 Complete the following tessellation by drawing in 3 more unit shapes.



---

35 The bar graph below shows the English results of a group of pupils.



Complete the bar graph for pupils who scored 60 marks, given that there were 25 pupils in total.

Section C

Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 30 marks)

---

36 Observe the number pattern below.

1, 3 , 7 , 13 , A , ...

a) What number does A represent?

b) What will be the seventh number in the pattern?

a) _____ [1]

b) _____ [2]

---

37 Si Yun bought an equal number of pencils and erasers. Each pencil cost $0.50, and each eraser cost $1.50. She paid a total of $15 for the stationery. How much did she pay for the pencils?

Ans: _____ [3]

---

38 John had 224 apples. After giving 36 apples to Peter, John put the rest of the apples he had equally into boxes. He found that he had 12 apples left after putting 16 apples into each box. How many boxes did he have?

Ans: _____ [4]

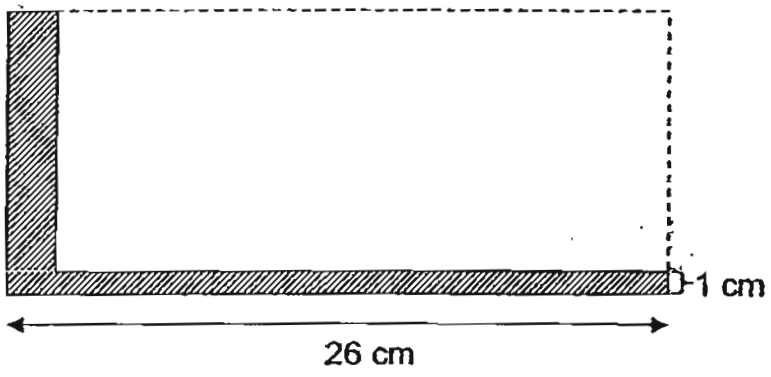
---

39 The time in Singapore is 8 hours ahead of the time in London. Julia took a flight from Singapore to London at 23 15 in Singapore time on 25th December 2011. She arrived in London at 04 40 London time on the 26th December 2011. How long was the flight?

Ans: _____ [4]

---

40 After a rectangular piece of paper was cut into 18 squares of sides 4 cm each, a piece of L-shaped strip of paper was left as shown below.



Given that the length of the rectangular piece of paper is 26 cm, what is the perimeter of the rectangular piece of paper before it was cut?

Ans: _____ [4]

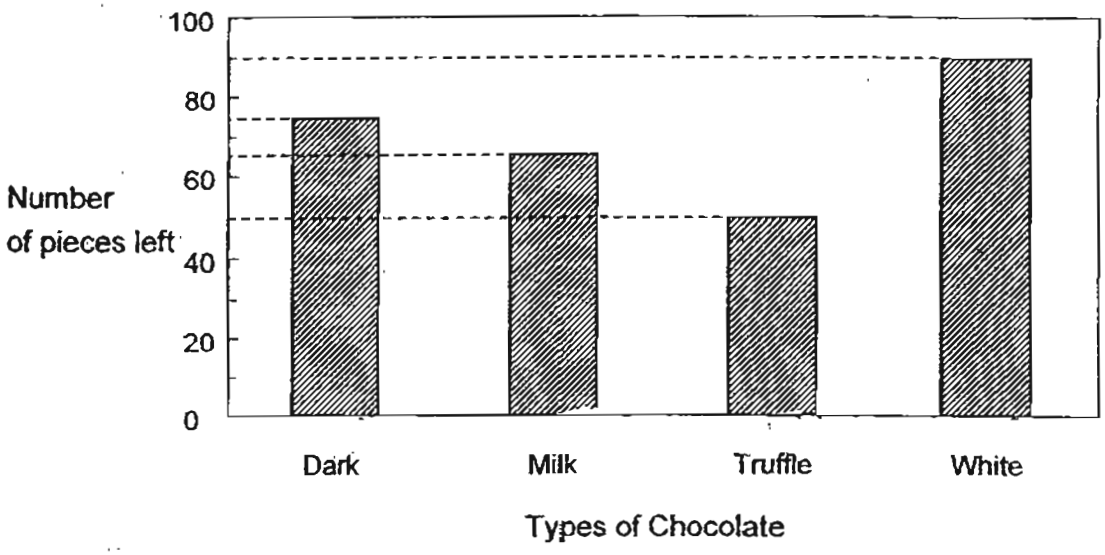
41 In a restaurant, a rectangular table can seat 10 persons and a round table can seat 5 persons. During lunch time, all the tables in the restaurant were occupied. The number of each type of table in the restaurant is more than 10 and less than 15. If there were 205 customers, how many rectangular and round tables were there for the 205 customers?

Ans: Round: _____

Rectangular : _____

[4]

42 A chocolate seller displayed the same number of each type of chocolates for sale every morning from Monday to Saturday in a week. She charted each type of chocolates which were left unsold at the end of the week as shown in the graph below.



a) Which type of chocolate was the most popular?

b) If she displayed 120 pieces of chocolates in total every morning, how many pieces of chocolates had she sold in a week?

Ans: a) _____ [1]

b) _____ [3]

43 May had 48 stalks of flowers in a basket. $\frac{1}{3}$ of them were roses and the rest were lilies and daisies. There were 4 more lilies than daisies.

How many daisies should May buy such that the number of daisies would be $\frac{1}{2}$ of the total number of flowers in the basket?

Ans: _____ [4]

END OF PAPER

Answer Ke

EXAM PAPER 2011

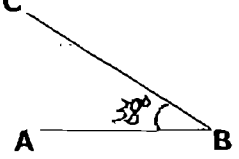
SCHOOL : NANYANG
SUBJECT : PRIMARY 4 MATHEAMATICS

TERM : SA2

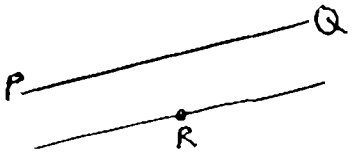
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
4	4	2	3	3	2	3	1	1	3	1	4	4	2	1

16)2,3 **17)950** **18)$1\frac{1}{8}$** **19)1/3** **20)6/12, 4/8**

21)$1\frac{1}{4}$ **22)120°** **23)**



24)



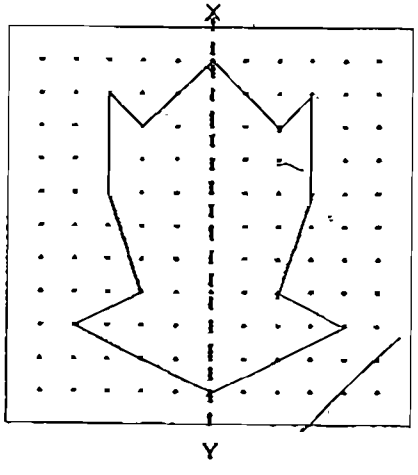
25)7cm **26)100** **27)2.876** **28)0.540, 0.405, 0.054** **29)99/100**

30)32.64 – 5.35
= 27.29≈27.3

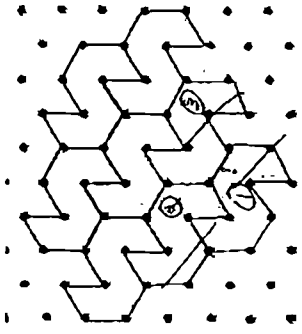
31)3.55 x 4 = 14.20
14.20≈14.2km

32)6 x 5 = 30
$22.50 ÷30 = $0.75

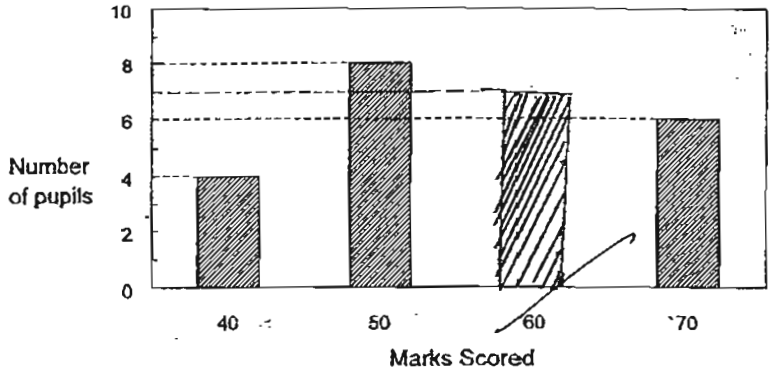
33)



34)



35)



36)a)13 + 8 = 21
b)31 + 12 = 43

37)$12.50

38)224 − 36 = 188
188÷16 = 11

39)13hr 25min

40)78cm

41)Round: 13
Rectangular: 14

42)a)Truffle
b)440

43)20