

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION
2014

PRIMARY 4
MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

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

Total: /

Name: _____ ()

Class: Primary 4 ()

Date: 9 May 2014

Any query on marks awarded should be raised by 20 May 2014. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

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. Which one of the following numbers when rounded off to the nearest ten is 5000?

- | | |
|----------|----------|
| (1) 4958 | (2) 4996 |
| (3) 5005 | (4) 5009 |

2. Which one of the following numbers is not a factor of 64?

- | | |
|-------|--------|
| (1) 1 | (2) 8 |
| (3) 3 | (4) 64 |

3. Which one of the following pairs of numbers is the common factors of 18 and 50?

- | | |
|-------------|-------------|
| (1) 1 and 2 | (2) 2 and 5 |
| (3) 3 and 6 | (4) 5 and 6 |

4. What is the quotient of $3048 \div 6$?

- | | |
|---------|---------|
| (1) 58 | (2) 507 |
| (3) 508 | (4) 580 |

5. Express $\frac{106}{8}$ as a mixed number in its simplest form.

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

(2) $13\frac{1}{4}$

(3) $15\frac{3}{4}$

(4) $17\frac{2}{3}$

6. Find the sum of $2\frac{1}{8}$ and $\frac{3}{8}$.

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

(2) $1\frac{3}{4}$

(3) $2\frac{1}{4}$

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

7. How many eighths are there in $3\frac{1}{4}$?

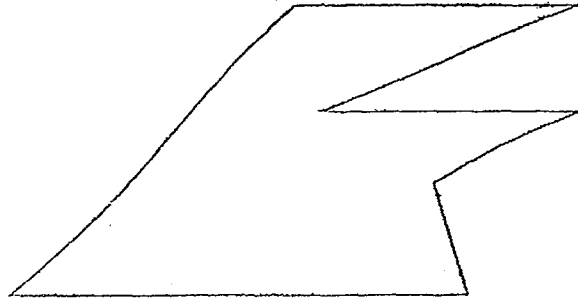
(1) 13

(2) 2

(3) 24

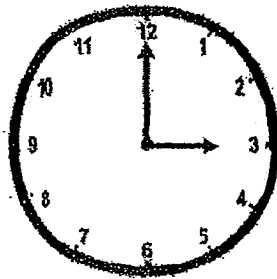
(4) 26

8. How many angles in the figure below is/are smaller than 90° ?



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

9. The clock shown below was 45 minutes behind the actual time. To set the clock to the correct time, how many $\frac{1}{4}$ -turn(s) must the minute hand be moved clockwise?



- (1) 1 (2) 2
(3) 3 (4) 4
10. Eric had 4 boxes of game cards. Each box contained an equal number of game cards. How many game cards did Eric have?

- (1) 36 (2) 58
(3) 82 (4) 94

11. Steven packed some mangoes into 15 boxes. Each box had 24 mangoes. After packing, he still had 18 rotten mangoes left. How many mangoes did he have at first?

(1) 90 (2) 342
(3) 360 (4) 378

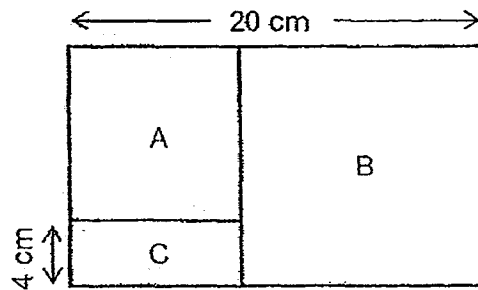
12. Bala has 285 muffins. He wants to keep them in similar boxes and each box can hold 9 muffins. What is the least number of boxes needed to keep all his muffins?

(1) 31 (2) 32
(3) 276 (4) 2565

13. Judith had 63 stickers. She gave $\frac{2}{7}$ of her stickers to Tiffany and $\frac{1}{7}$ of her stickers to Belynda. How many stickers were given to Tiffany and Belynda altogether?

(1) 9 (2) 21
(3) 27 (4) 36

14. The figure below is made up of Squares A and B and Rectangle C. Find the length of Square A.



- (1) 6 cm (2) 8 cm
(3) 10 cm (4) 12 cm
15. Study the number pattern below. What is the missing number in the blank?

115 , 120 , 360 , ____ , 1095 , 1100 , 3300

- (1) 365 (2) 605
(3) 1080 (4) 1090

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. What does the digit 7 in 78 012 stand for?

Answer : _____

17. Write 44 990 in words.

Answer : _____

18. List all the factors of 27.

Answer : _____

19. Estimate the value of $6389 \div 8$ by first rounding off 6389 to the nearest hundred.

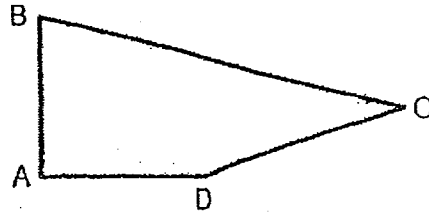
Answer : _____

20. Arrange the following numbers, from the greatest to the smallest.

50 213 , 55 312 , 50 123 , 55 321

Answer : _____ , _____ , _____ , _____

21. In the figure ABCD shown below, name the angle that is bigger than 90°

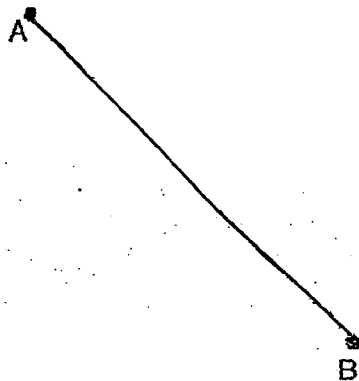


Answer : \angle _____

22. There is a total of 54 pens in a drawer. $\frac{1}{6}$ of the pens are blue and the remaining are red. How many red pens are in the drawer?

Answer : _____

23. Using the line AB given below, construct an angle such that $\angle ABC = 75^\circ$. Mark and label the angle.



24. The number of fishballs that Mr Azman has is between 30 to 60. The fishballs can be put into packets of 3 or 7 with no fishball left. How many fishballs does he have?

Answer : _____

25. Mrs Koh bought 4 kg of rice. Mrs Foo bought $1\frac{1}{6}$ kg less rice than Mrs Koh. How many kilogrammes of rice did both of them buy?
Express your answer as a mixed number.

Answer : _____ kg

26. Chloe had $\frac{7}{9}$ l of the paint left after spilling $\frac{1}{3}$ l of the paint. How much paint did she have at first? Express your answer as a mixed number.

Answer : _____ l

27. A pole is $1\frac{4}{5}$ m long. $\frac{1}{5}$ m of it is painted green and $\frac{2}{3}$ m of it is painted black. What is the length of the pole that is not painted?

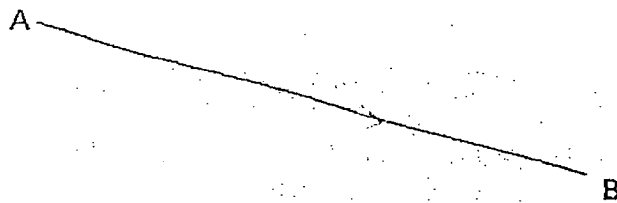
Answer : _____ m

28. Brandon is $2\frac{3}{4}$ years old this year. His father is 12 times as old as him. How old is his father this year?

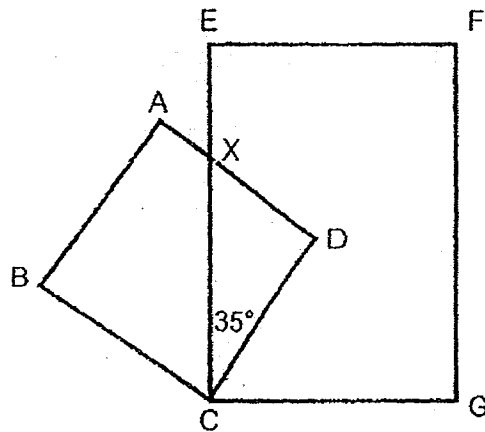
Answer : _____

29. AB is a straight line.
Draw and label a line CD through point R such that $AB \parallel CD$.

R



30. The figure below is made up of a square $ABCD$ and a rectangle $CEFG$. $\angle XCD$ is 35° . Find the value of $\angle BCG$.



Answer : _____°

31. A whole number when rounded off to the nearest hundred is 2500. What is the greatest possible number?

Answer : _____

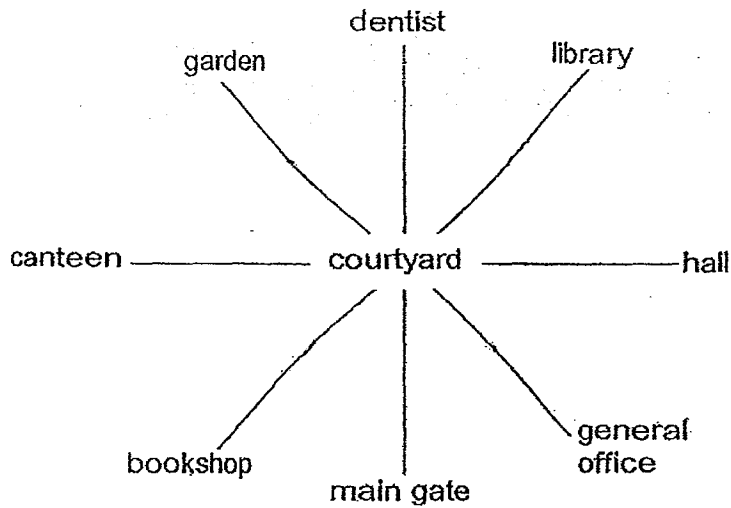
32. Yixin spent $\frac{1}{8}$ of his pocket money on snacks, $\frac{1}{4}$ of it on meals, $\frac{3}{8}$ of it on stationery and saved the remaining amount. What fraction of his pocket money did Yixin save? Express your answer in the simplest form.

Answer : _____

33. Lucian bought a box of marbles. He misplaced $\frac{1}{8}$ of the marbles and gave away 24 marbles to his cousin. He had $\frac{1}{2}$ of the marbles left in the end. How many marbles were in the box at first?

Answer : _____

34. Aminah was standing at the school's courtyard. After making a $\frac{3}{4}$ -turn clockwise, she was facing the bookshop. Where was she facing before she made the turn?



Answer : _____

35. For every 2 shots that hit the bull's-eye on a target, Sundram will be awarded 9 points. How many shots must he hit the bull's-eye in order to get 54 points?

Answer : _____

Section C

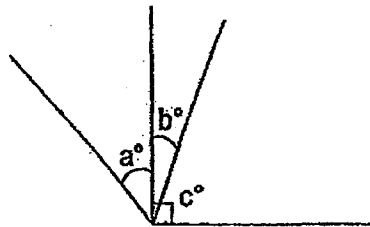
Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 30 marks)

36. Salleh bought 3024 oranges. For every 3 oranges he bought, one orange was rotten. After throwing away the rotten oranges, the remaining oranges were repacked into bags of 4. How many bags of oranges did he have?

Ans: _____ [3]

37. Study the diagram below. The sum of $\angle a$ and $\angle b$ is $\frac{2}{3}$ of $\angle c$. $\angle a$ is twice of $\angle b$. $\angle c$ is a right angle. Find the value of $\angle b$.



Ans: _____ [3]

38. There were some pupils in a class. After school, $\frac{1}{3}$ of them went home. Among those who stayed behind, 9 of them went to the library and the rest went to the field. On the field, 10 of them played soccer and the remaining 3 played frisbee. How many pupils were in the class?

Ans: _____ [4]

39. Daphne, Ellen and Faith bought some stickers. Daphne had 3 times as many stickers as Ellen. Ellen had twice as many stickers as Faith. Daphne had 545 more stickers than Faith. How many stickers did the 3 girls have altogether?

Ans: _____ [4]

40. Jian Wei had 4 times as many stamps as Ali. After Ali gave 642 stamps to his sister Jian Wei then had 12 times as many stamps as Ali. How many stamps did Jian Wei have?

Ans: _____ [4]

41. Muthu bought thrice as many pens as pencils. Each pen cost \$3 and each pencil cost \$2. Given that he spent \$143 in all, how many pens did he buy?

Ans: _____ [4]

42. Alex collected 528 stamps. He sold $\frac{1}{6}$ of his stamps and gave $\frac{5}{12}$ of it to Michael. How many stamps did Alex have in the end?

Ans: _____ [4]

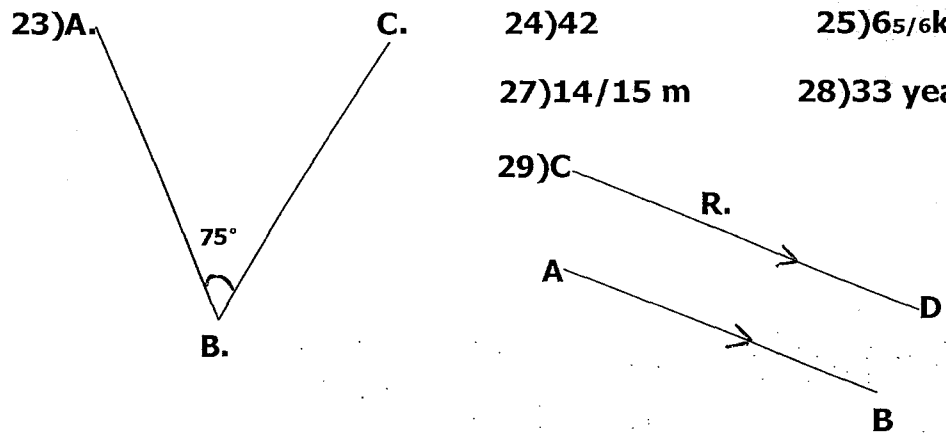
43. A container was filled with 90 litres of oil. $\frac{2}{5}$ of the oil spilled out. The owner then refilled $\frac{3}{4}$ of the oil that was spilled out. How much oil was in the container in the end?

Ans: _____ [4]

END OF PAPER

EXAM PAPER 2014**SCHOOL : NANYANG****PRIMARY : P4****SUBJECT : MATHEMATICS****TERM : SA1**

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

16)70000**17)forty-four thousand, nine hundred and ninety****18)1,3,9,27****19)800****20)55321, 55312, 50213, 50123****21) \angle ADC****22)45****23)A.****C.****24)42****25) $6\frac{5}{6}$ kg****26) $1\frac{1}{9}$ L****27)14/15 m****28)33 years old****29)C****30)145°****31)2549**

$$32) 1/8 + 2/8 = 3/8$$

$$3/8 + 3/8 = 6/8$$

$$1 - 6/8 = 2/8$$

$$2/8 \rightarrow 1/4$$

$$33) 4/8 + 1/8 = 5/8$$

$$1 - 5/8 = 3/8$$

$$24 \div 3 = 8$$

$$8 \times 8 = 64$$

34) garden

$$35) 54 \div 9 = 6$$

$$6 \times 2 = 12$$

$$36) 3024 \div 3 = 1008$$

$$1008 \times 2 = 2016$$

$$2016 \div 4 = 504$$

$$37) 90 \div 3 = 30$$

$$30 \times 2 = 60$$

$$60 \div 3 = 20^\circ$$

$$38) 9 + 10 + 3 = 22$$

$$22 \div 22 = 11$$

$$11 \times 3 = 33$$

$$39) 545 = 2\frac{1}{2}u$$

$$2 \times 2 = 4$$

$$4 + 1 = 5$$

$$545 \div 5 = 109$$

$$109 \times 9 = 981$$

$$40) 642 \rightarrow 2u$$

$$642 \div 2 = 321$$

$$321 \times 12 = 3852$$

$$41) 39$$

$$42) 528 \div 12 = 44$$

$$1/6 = 2/12$$

$$2/12 + 5/12 = 7/12$$

$$1 - 7/12 = 5/12$$

$$44 \times 5 = 220$$

$$43) 90 \div 5 = 18$$

$$18 \times 2 = 36$$

$$90 - 36 = 54$$

$$36 \div 4 = 9$$

$$9 \times 3 = 27$$

$$54 + 27 = 81L$$