PRIMARY 4 MID-YEAR EXAMINATION 2014

Name : _____ (   ) Date: <u>16 May 2014</u>

Class : Primary 4 (   )   Time: <u>8.00 a.m. – 9.15 a.m.</u>

Parent's Signature : _____   Marks: _____ / **100**

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Booklet A	20
Booklet B	40
Total for Paper 1	60

Paper 1 (Booklet A)

Multiple Choice Questions

Questions 1 to 10 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

1. What is the value of 5 in 58 872?
   (1)   5
   (2)   50
   (3)   5 000
   (4)   50 000

2. What is the digit in the tens place when 182 is multiplied by 10?
   (1)   1
   (2)   2
   (3)   0
   (4)   8

3. The area of a square is 64 cm². Find its perimeter.
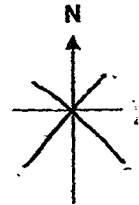   (1)   8 cm
   (2)   16 cm
   (3)   32 cm
   (4)   64 cm

4. $\dfrac{29}{9} = 2\dfrac{5}{9} + \dfrac{\square}{3}$

The missing number is _____ .

(1) 6

(2) 2

(3) 10

(4) 4

5. Jane is facing east. After she turns 315° anticlockwise, in which direction will she face?

(1) North-East

(2) North-West

(3) South-East

(4) South-West

6. The common factors of 36 and 45 are _____, _____ and _____.

(1) 1, 2 and 3

(2) 1, 3 and 5

(3) 1, 3 and 9

(4) 1, 36 and 45
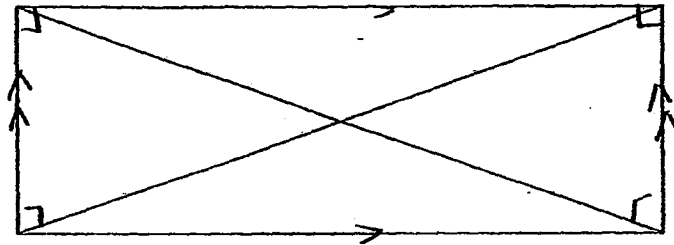
7. 48 is a common multiple of _____.

(1) 3 and 4

(2) 4 and 5

(3) 5 and 6

(4) 6 and 7

8. A fruit seller had 48 apples in his stall. He sold $\frac{5}{8}$ of his apples by lunchtime. How many apples were left?

(1) 6
(2) 18
(3) 30
(4) 9

Look at the diagram below to answer Questions 9 and 10.

9. How many pairs of perpendicular lines are there in the figure?

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

10. How many pairs of parallel lines are there in the figure?

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

Paper 1 (Booklet B)

Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. Questions 11 to 30 carry 2 marks each. (40 marks)
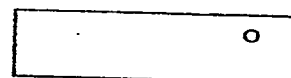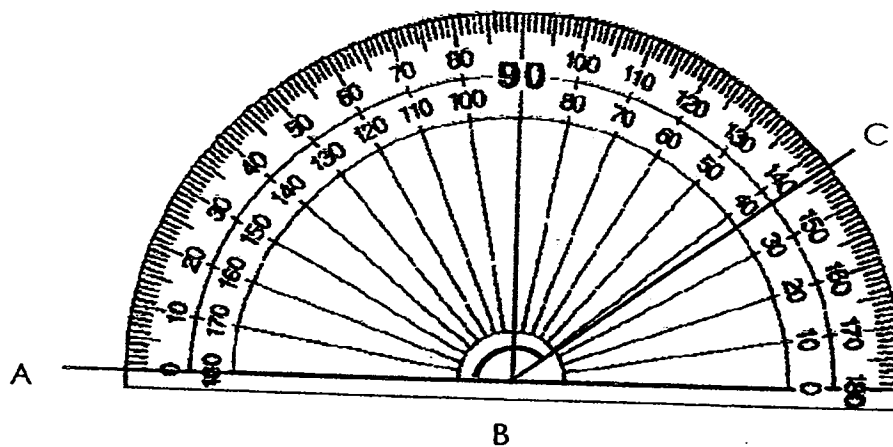
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11. Write 701 740 in words.

_____
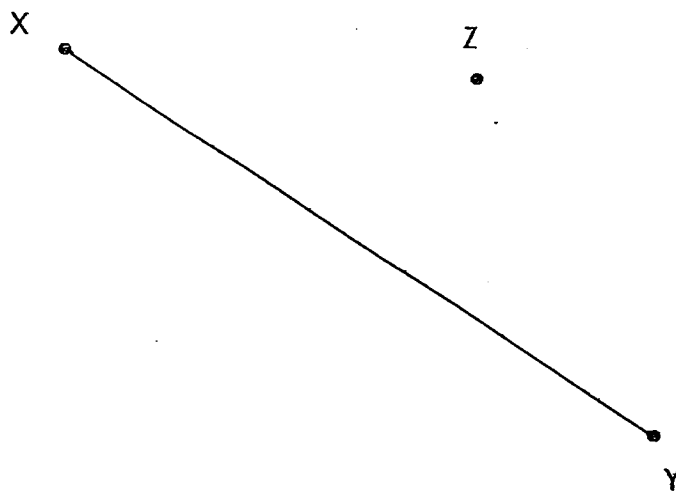
_____

12. Arrange the numbers below in descending order.

6 523 , 8 512 , 8 475 , 6 443 , 8 401

_____

13. $827 \times 6 =$ _____ $\div 3$

14.   Find ∠ABC.

15.   Draw a line perpendicular to XY. The line must pass through Z.

16. What is the remainder when 8 309 is divided by 6?

17. The figure below is not drawn to scale.
    ABCD is a rectangle. If $\angle DAE = 48°$, find $\angle BAE$.

0

18. A handphone costs $600. Nancy spent $\frac{3}{4}$ of her money on it.
    How much money does she have now?

$

19. There are _____ right angles in the figure below.

20. ▱ + ▱ = 18

  ▱ × ⬮ × ⬮ = 144

  Find the value of ⬮

  [ ]

21. What is the missing fraction? Express your answer in its simplest form.

$2\dfrac{1}{4}$ $2\dfrac{3}{4}$

  [ ]
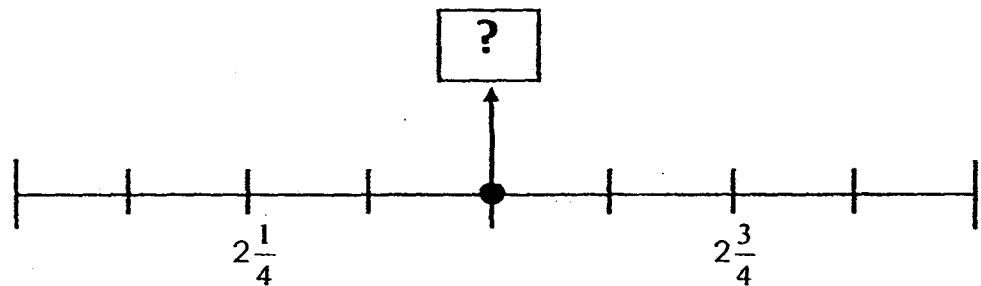
The bar graph below shows the number of bags sold by a shop over a period of 6 months. Study the graph carefully and answer questions 22 and 23.
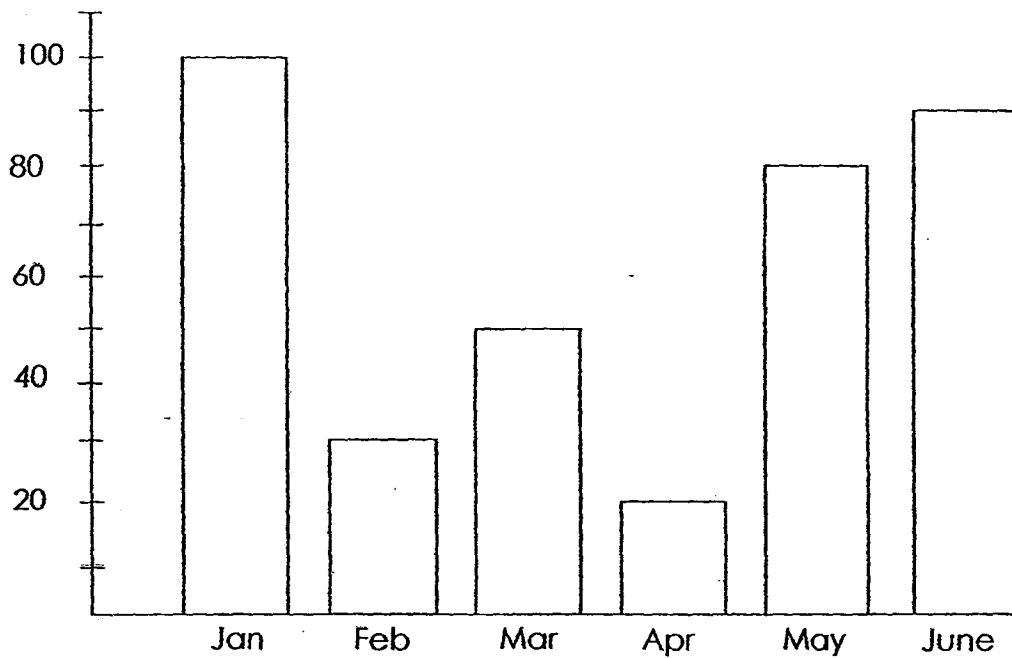
22.   What is the total number of bags sold from January to June?

23.   The number of bags sold in March and April is _____ less than the number of bags sold in May.

24. The figure below, not drawn to scale, consists of 3 identical rectangles. Find its perimeter.

9 cm
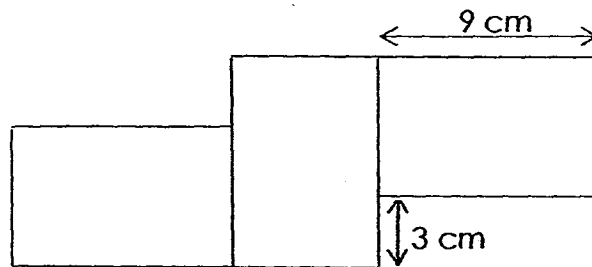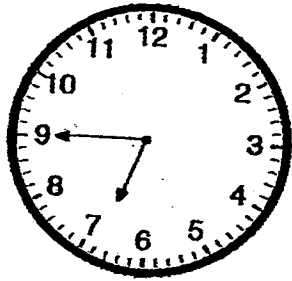
3 cm

| | cm |

25. A coin purse contains some 20-cent and 5 one-dollar coins. The total amount of money in the coin purse is $8. How many 20-cent coins are there?

26. The mass of a bag of tools, when rounded off to the nearest hundred, is 3 600g. What is the **largest possible mass** of the bag of tools?

| | g |

27. The time on a clock is 6.45 a.m. What time would it be if the minute hand turned 180° clockwise?

┌──────────────┐
│   a.m.│
└──────────────┘

28. How many ninths are there in $11\frac{1}{9}$?

┌──────────────┐
│   │
└──────────────┘

29. The figure below is made up of three identical squares. What fraction of the figure is shaded? Express your answer in its simplest form.

┌──────────────┐
│   │
└──────────────┘
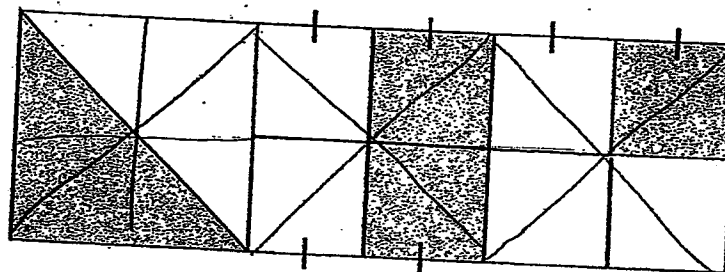
30. Look at the figure. How many angles inside the figure are more than 90° ?
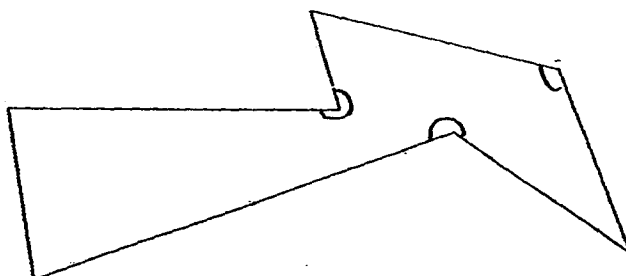
Name ._____ (   ) Date: <u>16 May 2014</u>

Class : Primary 4 (   )   Time: <u>10.15 a.m. - 11.15 a.m.</u>

Parent's Signature : _____   Marks: _____ **/ 40**

MATHEMATICS

PAPER 2

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Questions 1 to 10 carry 4 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)

1. Ravi has 5 times as much pocket money as Lisa. Lisa has $8 less than Ravi.

   a) How much money does Ravi have?

   b) How much money do they have altogether?

   Ans: a) $_____

   b) $_____

2. Mary is thrice the age of her son. Mary is 36 years old now.

   a) How old is her son?

   b) what is their total age in 2 years' time?

   Ans: _____

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3. Ali had twice as many stamps as Devi. After Ali had given Devi 78 stamps, they had an equal number of stamps each. How many stamps did they have in total?

   Ans: _____

4. Jane has 180 blue and red beads in a box. She has five times as many blue beads as red beads.

   a) How many blue beads does she have?

   b) How many more red beads should she buy so that she has half as many red beads as blue beads?

Ans: a) _____

b) _____

5. A farmer planted 13 trees in a row. Each tree is 3 m away from the other. What is the distance from the first tree to the last tree?

3m

Ans: _____

6. Nizam bought 4 ties and 2 shirts. A shirt costs as much as 3 ties. Nizam spent $160, find the total cost of one shirt and one tie.

Ans: _____

7. The figure is made up of two identical squares that are overlapped.
   The total area of the figure is 147 cm². Find the area of the shaded part.

9cm

9cm
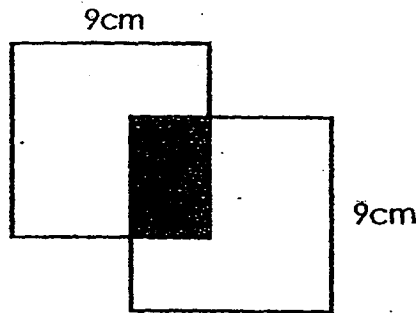
Ans: _____

8. There are 39 cars and bicycles. There are a total of 122 wheels. How many bicycles are there?

Ans: _____

9. Mrs Chen bought some tarts at a charity event and gave $\frac{3}{5}$ of them to her friends. She ate half of the remainder and had 6 tarts left. How many tarts did she buy at first?

Ans: _____

10. Huiling bought some sweets for her friends. If she gives them 3 sweets each, she would have 8 sweets left. If she gives them 5 sweets each, she would be short of 4 sweets. How many friends does Huiling have?

Ans: _____

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	2	3	3	1	2	4	2

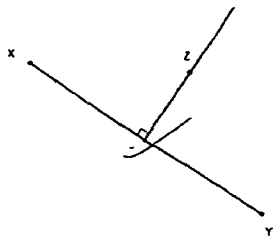Q11 Seven hundred and one thousand, seven hundred and forty.

Q12 8512, 8475, 8401, 6523, 6443

Q13 14 886

Q14 143°

Q15

Q16 5

Q17 42°

Q18 $200

Q19 3

Q20 4

Q21 2½

Q22 370

Q23 10

Q24 66 cm

Q25 15

Q26 3649g

Q27 7.15 a.m.

Q28 100

Q29 ⁵/₁₂

Q30 3

Paper 2

Q1   (a) $8 \div 4 = 2$
              $2 \times 5 = 10$
              Rani has $10

        (b) $10 + 2 = 12$
              They have $12 altogether.

Q2   (a) $36 \div 3 = 12$
              Her son is 12 years old

        (b) $48 + 4 = 52$
              Their total age will be 52 years.

Q3 $78 \times 6 = 468$
              They had 468 stamps altogether.

Q4   (a) $180 \div 12 = 15$
              $15 \times 10 = 150$
              She has 150 blue beads.

        (b) $15 \times 3 = 45$
              She should buy 45 more red beads.

Q5 $13 - 1 = 12$
              $12 \times 3 = 36$
              The distance from the first tree to the last tree is 36m.

Q6 $160 \div 10 = 16$
              $16 \times 4 = 64$
              One shirt and one tie is $64.

Q7 $9 \times 9 = 81$
              $81 \times 2 = 162$
              $162 - 147 = 15$
              The area of the shaded part is 15cm^2.

Q8 $39 \times 4 = 156$
              $156 - 122 = 34$
              $4 - 2 = 2$
              $34 \div 2 = 17$
              There are 17 bicycles.

Q9 $6 \times 5 = 30$
              She bought 30 tarts.

Q10   Huiling has 6 friends.