AI TONG SCHOOL

2016
MID-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 6 May 2016

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

Name : _____ ( )

Class : Primary 4_____

Marks :

Section A	/28
Section B	/40
Section C	/32
Total	/100

Parent's Signature : _____

Date : _____

Section A

Questions 1 to 14 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 with a 2B pencil. (28 marks)

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1 Round off 61 805 to the nearest thousand.

(1) 60 000

(2) 61 000

(3) 61 800

(4) 62 000

2 In which one of the following are the numbers arranged from the smallest to the greatest?

	(smallest)		(greatest)
(1)	2890,	2809,	2089
(2)	2089,	2890,	2809
(3)	2890,	2809,	2908
(4)	2089,	2809,	2890

3 Which of the following statements is incorrect?

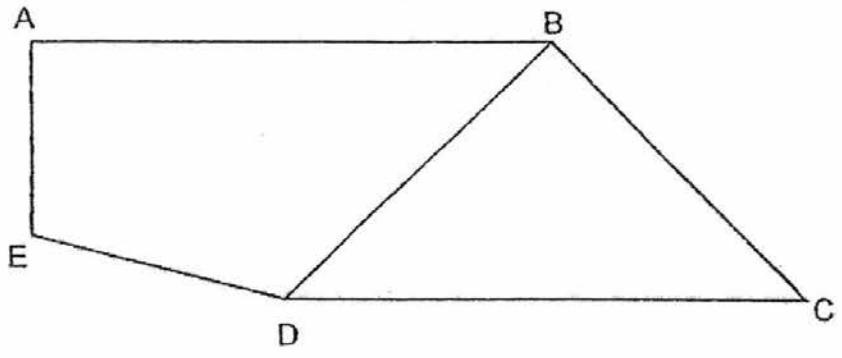
(1) 3 is a multiple of 39

(2) 2 is a common factor of 26 and 54

(3) 52 is a multiple of 13

(4) 6 is a common factor of 18 and 72

4 Which line in the figure is parallel AB?



(1) BC

(2) AE

(3) CD

(4) ED

5 What is the quotient when 3294 is divided by 3?

(1) 138

(2) 198

(3) 1038

(4) 1098

6 30 506 is 1000 more than _____.

(1) 20 506

(2) 29 506

(3) 31 506

(4) 40 506

7 I am a 2-digit number and a factor of 56. When divided by 5, I have a remainder of 4. what number am I?

(1) 14

(2) 18

(3) 24

(4) 28

8 How many quaeters are there in $3\frac{1}{4}$?

(1) 13

(2) 12

(3) 8

(4) 4

9 Find the sum of $\frac{11}{12}$ and $\frac{3}{4}$?

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

(2) $\frac{8}{12}$

(3) $1\frac{5}{12}$

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

10 Alif has only four 20-cent coins and one 50-cent coin. He puts some coins into his piggy bank. Which one of the following could be the amount he put into his piggy bank?

(1) $1

(2) 90¢

(3) 30¢

(4) $1.20

11 Lily had 3 m of cloth. She used $\frac{5}{9}$ m of cloth to make a dress and $\frac{1}{3}$ m of cloth to make cushion covers. How many metres of cloth were left?

(1) $2\frac{1}{9}$ m

(2) $2\frac{4}{9}$ m

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

(4) $2\frac{8}{9}$ m

12 Primary 4 Honesty had 42 students. $\frac{5}{7}$ of the students scored Band 1 in the Mathematics test. How many students did not score Band 1 in the test?

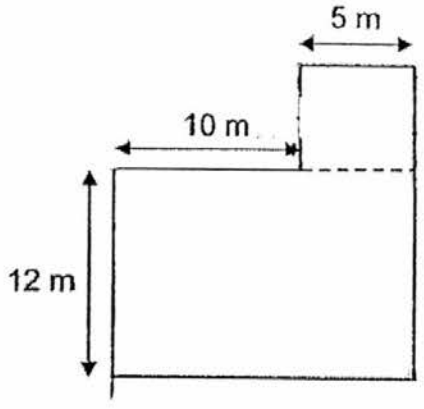
(1) 6

(2) 12

(3) 18

(4) 30

13 The figure below, not drawn to scale, is made up of a rectangle and a square. Find the perimeter of the figure.



(1) 27 m

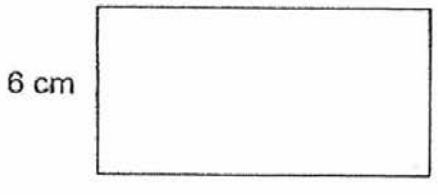
(2) 59 m

(3) 64 m

(4) 69 m

14 The area of the rectangle shown below is 96 cm^2 and its breadth is 6 cm.

what is the length of the rectangle



(1) 16 cm

(2) 32 cm

(3) 42 cm

(4) 44 cm

Section B

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

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15 What is the value of the digit 3 in 43 980?

Ans: _____

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16 What is the first common multiple of 3 and 5?

Ans: _____

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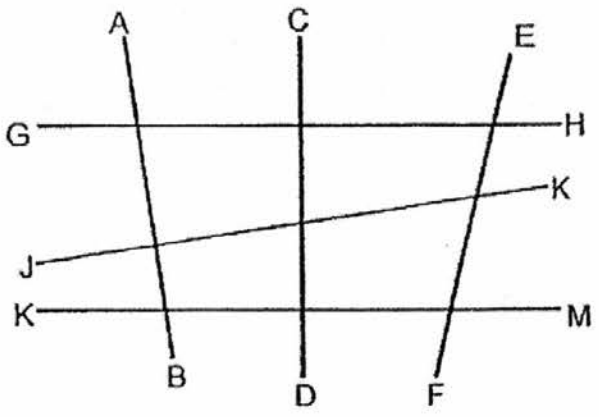
17 How many hundreds are there in twenty-two thousand and two hundred?

Ans: _____

6

18



Which line is perpendicular to JK?

Ans: _____

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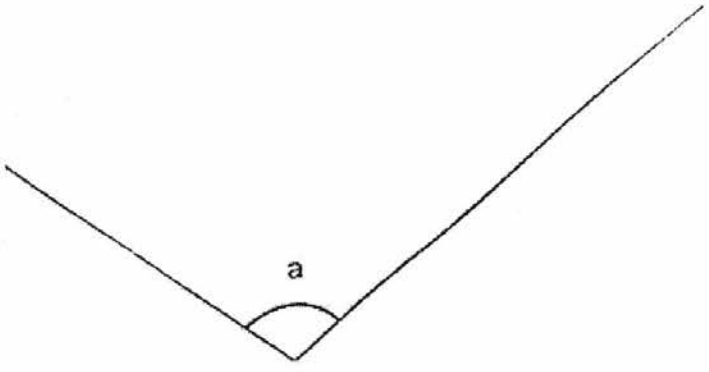
19 Measure and write down the size of ∠a.



Ans: _____

4

20 A 5-digit number with missing digits is given below.
Study the clues given and find out this number.

Clues:

(a) The tens digit is 3 more than the ones digit.
(b) The hundreds digit is 4 less than the tens digit.
(c) The thousands digit is 3 less than the hundreds digit.

Ans: _____

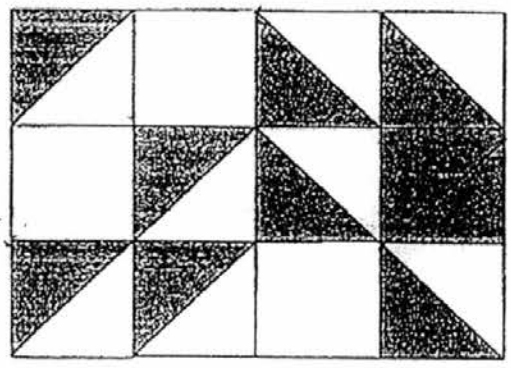
---

21 A number gives a quotient of 87 and a remainder of 3 when it is divided by 6.
what is the number?

Ans: _____

4

22 The figure below is made up of unit squares.. What fraction of the figure is shaded? Give your answer in its simplest form.



Ans: _____

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23 3 soft toys cost $8. Mdm Ang bought 42 soft toys for her students.How much did she pay altogether?

Ans: $_____

4

24 Ian and Yee Xiang had the same amount of money at first. After Yee Xiang spent $48 at the shop, Ian had 5 times as much money as Yee Xiang. How much did Yee Xiang have in the end?

Ans: $_____

---

25 Mrs Wong made 100 sandwiches for her son's birthday. $\frac{3}{4}$ of the sandwiches were eaten. How many sandwiches were eaten?

Ans: _____

---

26 Find the product of 473 and 25. Then round off the answer to the nearest ten.

Ans: _____

6

27 Dave walked $\frac{4}{9}$ km on Saturday. He walked $\frac{5}{6}$ km more on Sunday than on Saturday. What was the total distance he walked on two days?
Give your answer as a mixed number in its simplest form.

Ans: _____km

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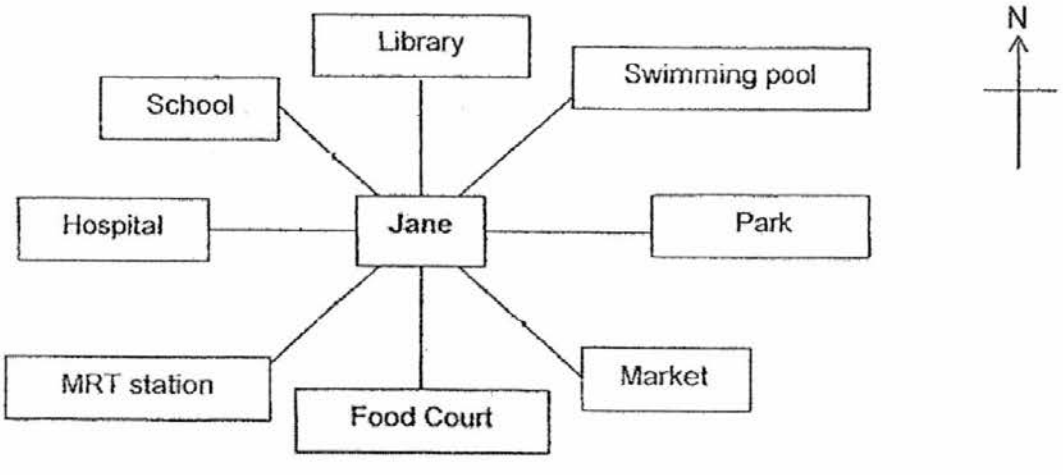
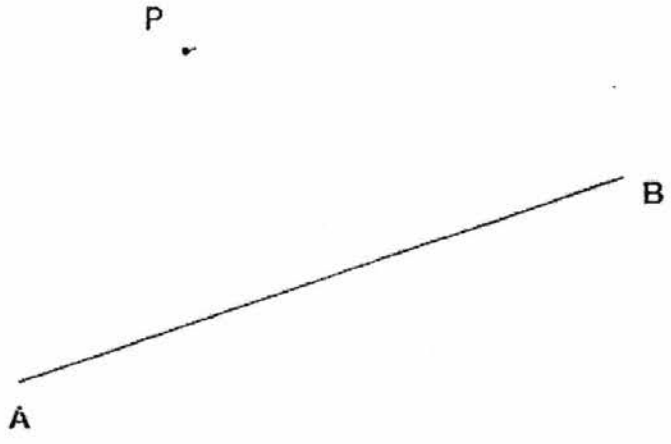
28 Look at the diagram below. Jane was standing in the middle of the open field. After turning 225° in the clockwise direction, she was facing the **library**. Where was Jane facing at first?



Ans: _____

4

29 Draw a line parallel to AB through the point P.



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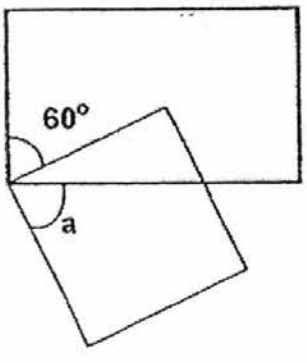
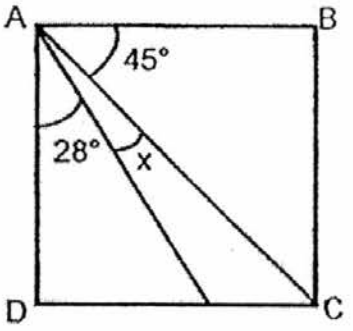
30 The figure below is not drawn to scale. It is made up of a rectangle and a square. Find ∠a.



Ans: _____

4

31 The figure below is not drawn to scale. ABCD is a square. Find $\angle x$.



Ans: _____

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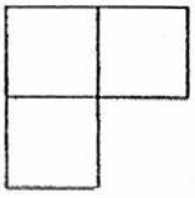
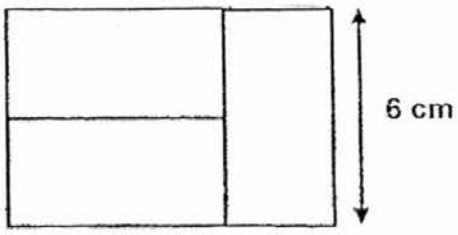
32 The figure below, not drawn to scale, is made up of 3 identical squares. The perimeter of the figure is 48 cm. What is the length of each side of the square?



Ans: _____ cm

4

33 3 similar rectangles are used to form the figure below. Each rectangle has a length of 6 cm. Find the area of the figure.



Ans: _____ cm^2

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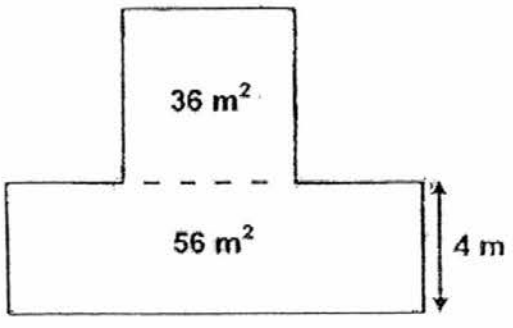
34 The figure below is made up of a rectangle and a square. The area of the square is 36 m^2 and the area of the rectangle is 56 m^2. Find the perimeter of the figure.



Ans: _____ m

Section C

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. **(32 marks)**

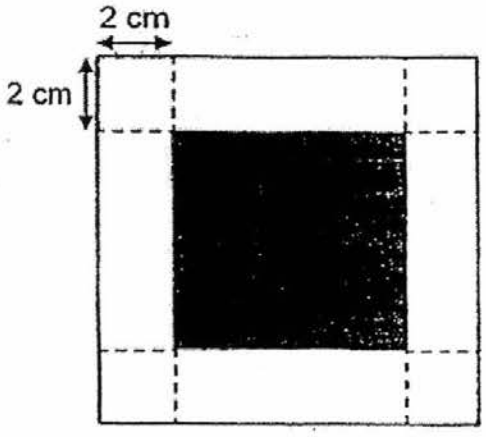
35 240 adults and children bought tickets to visit the Art Museum Singapore. There were 4 times as many children as adults. A child's ticket cost $6 each. How much money was collected from the sale of child tickets?

Ans: _____ [3]

36 Regine had some money. After buying 12 similar books, she had $36 left. Later she bought 7 similar books and had $8 left How much did Regine have at first?

Ahs: _____ [3]

37 The diagram below shows a square coloured paper pasted on a piece of square cardboard. The square coloured paper has an area of 121 cm^2. The border around the square coloured paper is 2 cm wide. What is the area of the whole piece of cardboard?



Ans: _____ [3]

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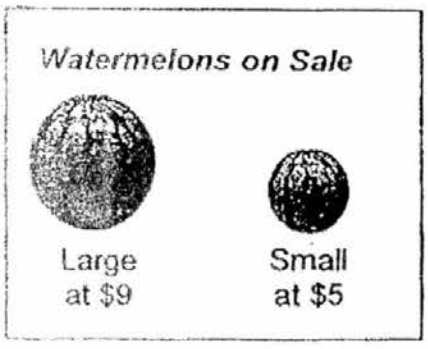
38 Miss Peh had some money. She spent $\frac{1}{3}$ of it on a purse and $\frac{2}{5}$ of it on a shawl. She had $56 left. How much money did she have at first?

Ans: _____ [4]

7

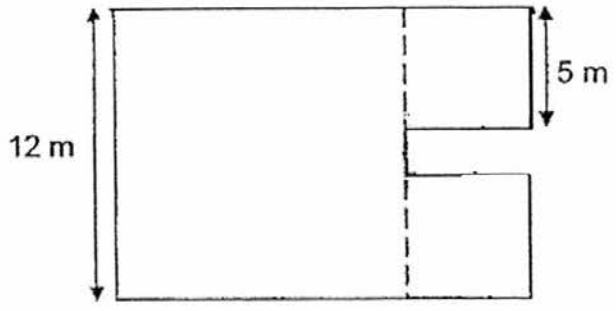
39 Ah Seng sold a total of 38 large and small watermelons at the prices shown below and collected $246. How many small watermelons did Ah Seng sell?



Ans: _____ [3]

3

40 The figure below, not drawn to scale, is made up of 1 big square and 2 small identical squares.



(a) Find the perimeter of the figure.

(b) Find the area of the figure.

Ans: (a) _____ [2]

Ans: (b) _____ [2]

4

41 A fruit seller had 30 boxes of mangoes. There were 48 mangoes in each box. He sold 510 mangoes on Monday and 642 mangoes on Tuesday. He then packed the remaining mangoes equally into 9 bags. How many mangoes were there in each bag?

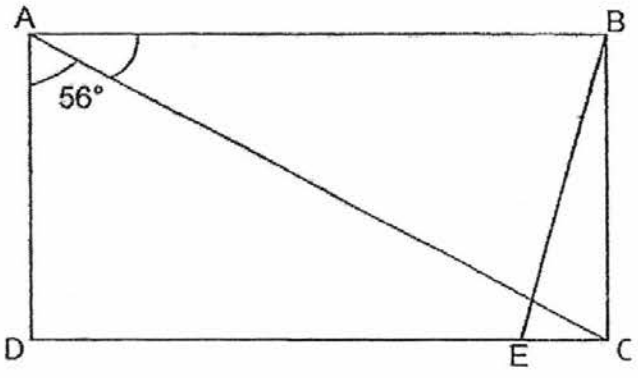
Ans: _____ [4]

4

42 In the figure below, not drawn to scale, ABCD is a rectangle. AC and BE are straight lines. $\angle DAC = 56°$. $\angle ABC$ is twice of $\angle BAC$. Find

(a) $\angle BAC$

(b) $\angle EBC$



Ans: (a) _____ [1]

Ans: (b) _____ [3]

43 In a Reading Programme, there were 36 parent volunteers at first. Each of them was coaching an equal number of students. After 9 parent volunteers left the programme, the remaining parent volunteers had to coach 2 more students each. How many students were there in the Reading Programme?

Ans: _____ [4]

4

End of paper

Please check your work carefully.

EXAM PAPER 2016 (P4)

SCHOOL : AI TONG

SUBJECT : MATHEMATICS

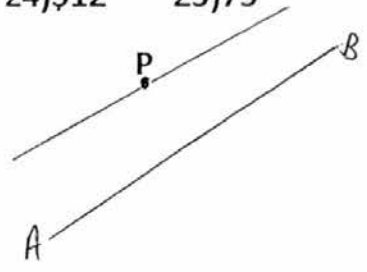
TERM : SA1

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

15)3000 16)15 17)222 18)AB 19)105° 20)62596

21)525 22)5/12 23)$112 24)$12 25)75 26)11830

27)$1\frac{13}{18}$km 28)Market 29)



30)60°

31)45 + 28 = 73

90 – 73 = 17°

32)48 ÷ 8 = 6cm

33)6 ÷ 2 = 3

9 x 6 = 54cm2

34)6 x 6 = 36

56 ÷ 4 = 14

14 – 6 = 8

H = 20

V = 28

28 + 20 = 48m

35)1u = 240 ÷ 5 = 48

C → 4u → 4 x 48 = 192

1 child = $6

Children = 192 x 6 = $1152

36)84

37)11 x 11 = 121

11 + 4 = 15

15 x 15 = 225cm2

38)6/15 = 5/15 = 11/15

15/15 – 11/15 = 4/15

4u = $56

1u = 56 ÷ 4 = $14

14 x 15 = $210

39)

Large	Small	Total	Check	
19	19	$266	X	
18	20	$262	X	
17	21	$258	X	
16	22	$254	X	
15	23	$250	X	
14	24	$246	√	

Ans : 24

40)a)17 + 17 = 34

34 + 10 = 44

44 + 24 = 68m

b)5 x 5 = 25

5 x 5 = 25

12 x 12 = 144

25 = 25 = 50

144 + 50 = 194m

41)48 x 30 = 1440

510 + 642 =1152

1440 – 1152 = 288

288 ÷ 9 = 32

42)90 – 56 = 34

34 + 34 = 68

90 – 68 = 22

a)34° b)22°

43)9pv→27 x 2 = 54

1pv→54 ÷ 9 = 6 total pv = 36 x 6 = 216