



# AI TONG SCHOOL

2019

## END-OF-YEAR EXAMINATION

PRIMARY 3

### MATHEMATICS

**DURATION** : 1 h 30 min

**DATE** : 31 OCTOBER 2019

#### INSTRUCTIONS

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

Follow all instructions.

Answer all questions.

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

**Class** : Primary 3 \_\_\_\_\_

<b>Parent's Signature</b> : _____
<b>Date</b> : _____

**Marks :**

<b>Section A</b>	30
<b>Section B</b>	30
<b>Section C</b>	20
<b>Total</b>	80



**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 with a 2B pencil.

(30 marks)

1 In 7953, what does the digit 5 stand for?

- (1) 5 ones
- (2) 5 tens
- (3) 5 hundreds
- (4) 5 thousands

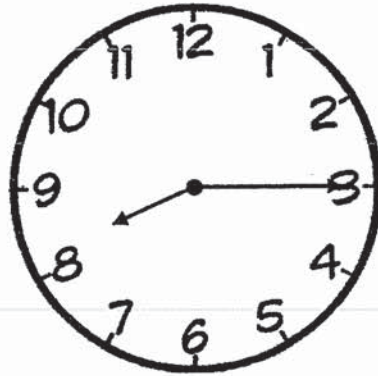
2 Express  $\frac{4}{12}$  in its simplest form.

- (1)  $\frac{1}{2}$
- (2)  $\frac{1}{3}$
- (3)  $\frac{2}{3}$
- (4)  $\frac{2}{6}$

3 Which fraction is smaller than  $\frac{1}{2}$ ?

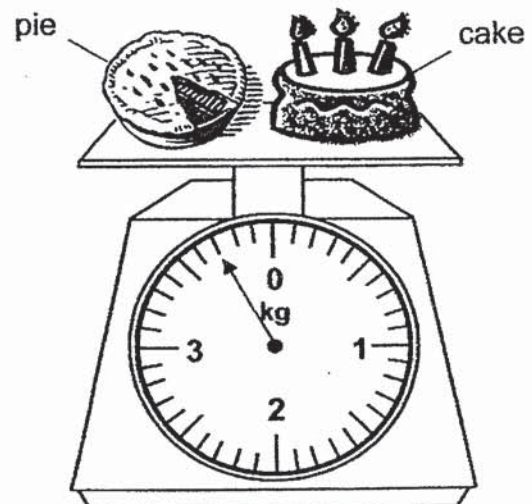
- (1)  $\frac{2}{3}$
- (2)  $\frac{3}{6}$
- (3)  $\frac{3}{7}$
- (4)  $\frac{5}{8}$

- 4 The clock below shows the time now. What was the time half an hour ago?



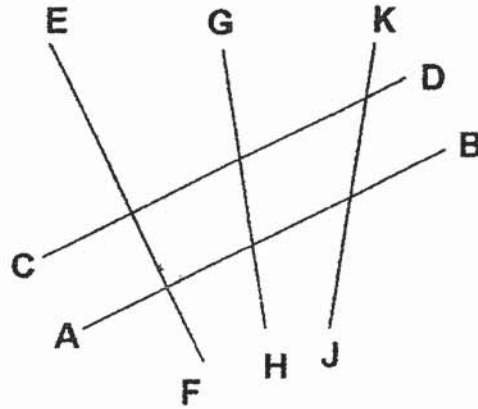
- (1) 3.40 p.m.  
(2) 7.45 p.m.  
(3) 8.15 p.m.  
(4) 8.45 p.m.
- 5 Kate's house is 3 km 9 m from the shopping mall.  
Express this distance in metres.

- (1) 39 m  
(2) 309 m  
(3) 3009 m  
(4) 3090 m
- 6 There is a pie and a cake on the weighing scale. The mass of the cake is 2 kg.  
Find the mass of the pie.



- (1) 1 kg 70 g  
(2) 1 kg 700 g  
(3) 3 kg 70 g  
(4) 3 kg 700 g

7 Which line is perpendicular to line AB?



- (1) CD
- (2) EF
- (3) GH
- (4) JK

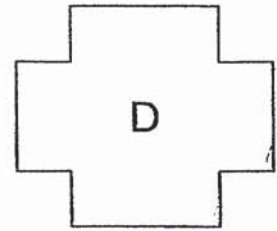
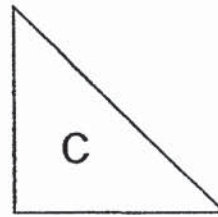
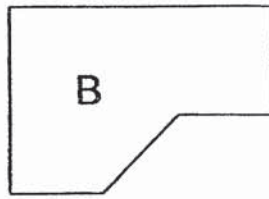
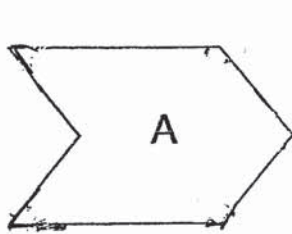
8 Eve exchanged a \$5 note for 10 coins. All the coins had the same value. What was the value of each coin?

- (1) 5 cents
- (2) 10 cents
- (3) 20 cents
- (4) 50 cents

9 Luke started his violin lesson at 10.55 a.m. The lesson lasted for 2 h 15 min. What time did his lesson end?

- (1) 12.15 p.m.
- (2) 12.55 p.m.
- (3) 1.10 p.m.
- (4) 1.40 p.m.

10 Which of the following figures does not have any right angles in them?



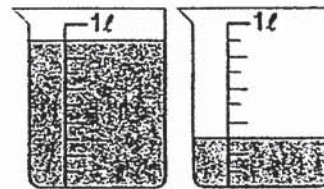
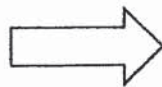
- (1) A
- (2) B
- (3) C
- (4) D

11 8 children shared 48 pens equally.

How many pens did four of the children have altogether?

- (1) 24
- (2) 12
- (3) 6
- (4) 4

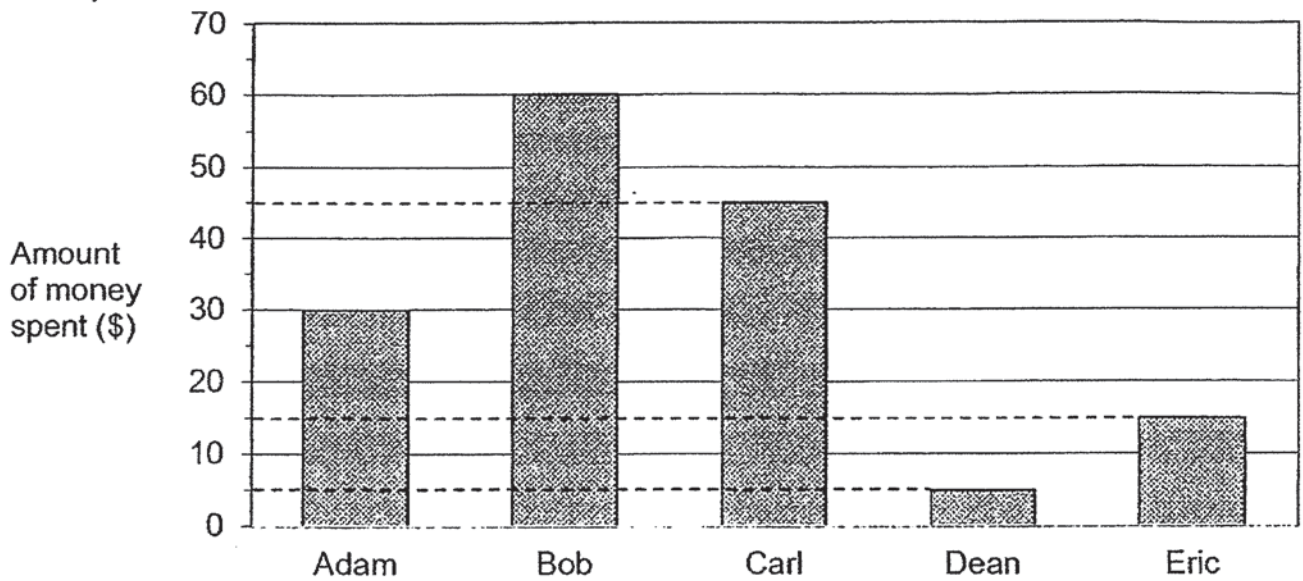
12 A pail contained 2 litres of water at first. Sam poured some water from the pail into the beakers shown below. What was the volume of water left in the pail?



Beaker A      Beaker B

- (1) 1300 ml
- (2) 1200 ml
- (3) 800 ml
- (4) 700 ml

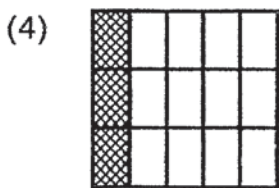
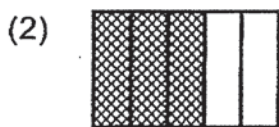
13 The bar graph shows the amount of money spent by five boys.



Who spent twice as much as Adam?

- (1) Bob
- (2) Carl
- (3) Dean
- (4) Eric

14 Which of the following shows  $\frac{1}{5} + \frac{2}{10}$  ?



15 The sum of two numbers is 500. Their difference is 40.

What are the two numbers?

- (1) 210 and 250
  - (2) 210 and 290
  - (3) 230 and 270
  - (4) 240 and 260
-



**Section B**

Questions 16 to 30 carry 2 marks each.

Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (30 marks)

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16 Complete the number pattern.

6237	6037	?	5637	5437	5237
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Ans: \_\_\_\_\_

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17  $2708 + 3995 =$

Ans: \_\_\_\_\_

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18 Subtract 270 from 8621.

Ans: \_\_\_\_\_

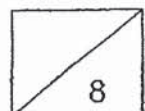
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19 What is the missing number in the box?

$42 =$   groups of 6

Ans: \_\_\_\_\_

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20 What is the product of 908 and 8?

Ans: \_\_\_\_\_

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21 What is the quotient when 624 is divided by 7?

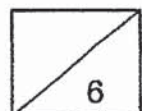
Ans: \_\_\_\_\_

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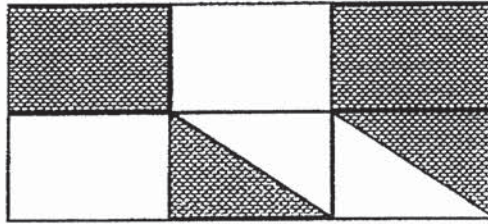
22  $\$5 + \$39.05 =$  \_\_\_\_\_

Ans: \$ \_\_\_\_\_

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- 23 The figure below is made up of 6 identical rectangles.  
What fraction of the figure is shaded? Give your answer in its simplest form.



Ans: \_\_\_\_\_

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- 24 There are 1704 apples. There are 352 more apples than oranges.  
How many oranges are there? .

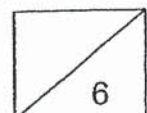
Ans: \_\_\_\_\_

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- 25 A bakery had some cupcakes. After selling 2656 cupcakes, there were 307 cupcakes left. How many cupcakes were there at first?

Ans: \_\_\_\_\_

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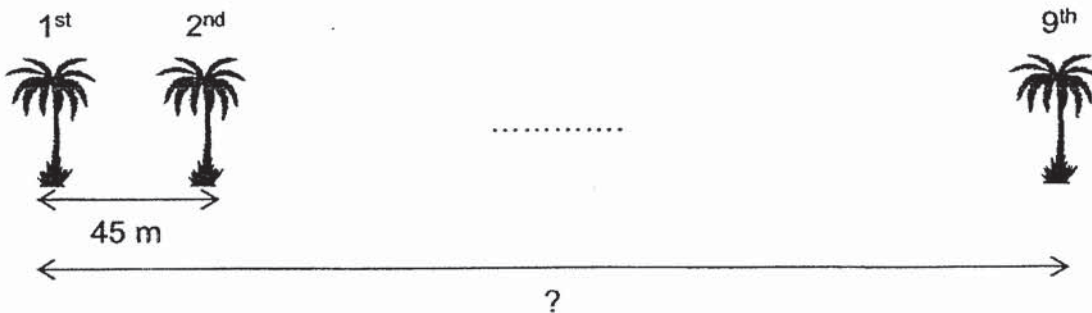
- 26 When a number is divided by 9, its quotient is 285 and its remainder is 7.  
What is the number?

Ans: \_\_\_\_\_

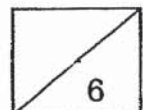
- 27 A taxi can take up to 4 passengers.  
What is the least number of taxis needed for 906 passengers?

Ans: \_\_\_\_\_

- 28 There are 9 trees along a straight path. The distance between every two trees is 45 m.  
What is the distance between the first tree and the last tree?



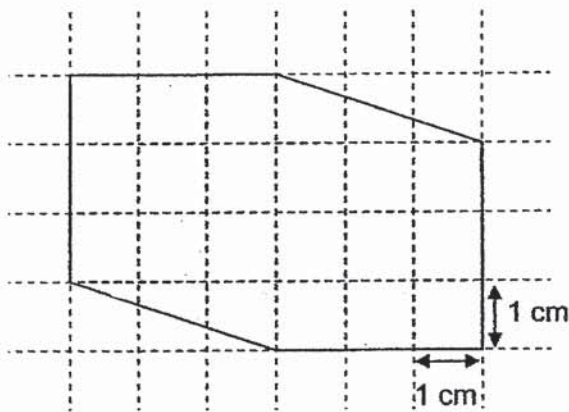
Ans: \_\_\_\_\_ m



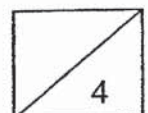
- 29 Peter reached the cinema at 4.50 p.m. to book his movie ticket.  
 The movie would start at 8 p.m.  
 How long did he have to wait before he could watch the movie?  
 Give your answer in hours and minutes.

Ans: \_\_\_\_\_ h \_\_\_\_\_ min

- 30 Find the area of the shaded figure below.



Ans: \_\_\_\_\_ cm<sup>2</sup>



**Section C**

Show your working clearly in the space provided below each question and write your answers and units in the spaces provided. (20 marks)

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- 31 1800 people watched a performance at the Esplanade.  
298 of them were children and the rest were adults.
- (a) How many adults were there?
  - (b) How many more adults than children were there?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]

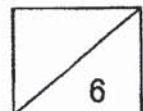
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- 32 Rachel has 506 beads and some boxes.  
She puts 6 beads in each box and has 128 beads left.
- (a) How many beads are put in the boxes?
  - (b) How many boxes does she have?

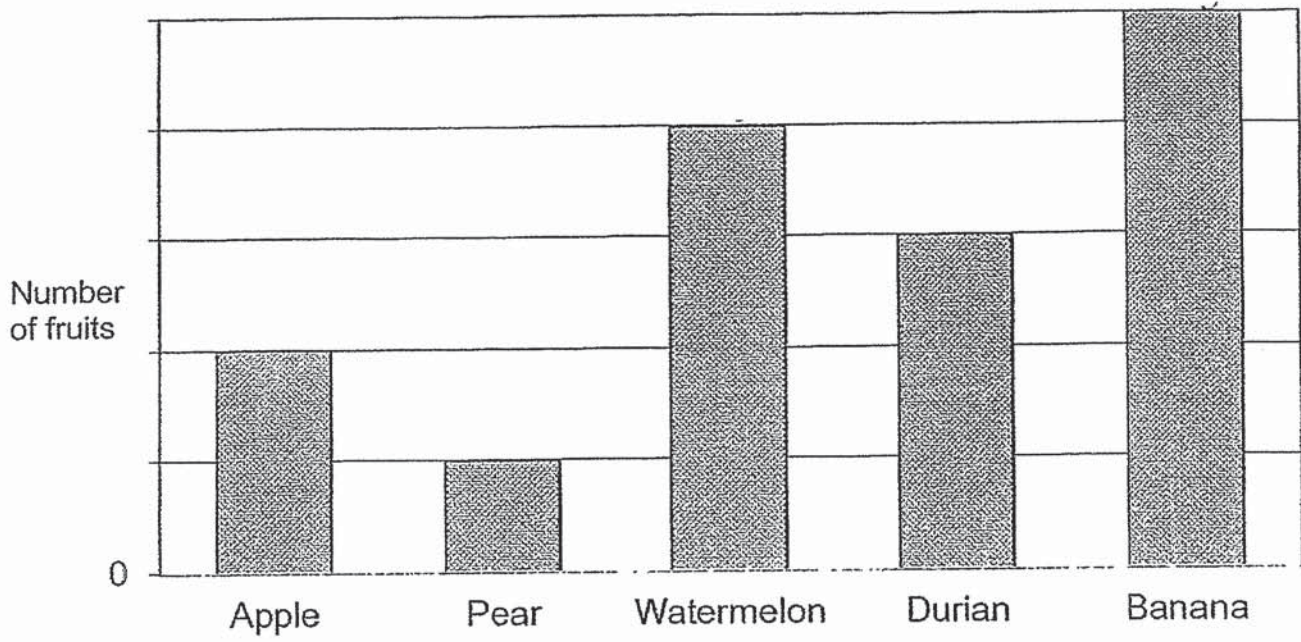
Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]

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33 The bar graph below shows the number of fruits sold in a week.

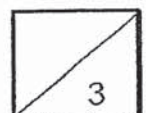


- (a) How many types of fruits were sold?
- (b) Which fruit is the most popular?
- (c) Which fruit is three times as popular as the pear?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [1]

(c) \_\_\_\_\_ [1]

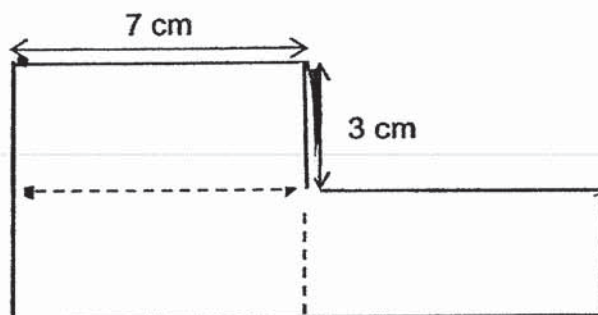


34 The figure below is made up of 3 identical rectangles.

Each rectangle is 7 cm long and 3 cm wide.

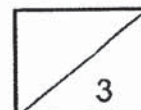
(a) Find the area of one rectangle.

(b) Find the perimeter of the figure.



Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]





35 Sam, Tim and Mike shared some money.

Tim received \$100. Sam received \$128 more than Tim.

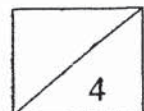
Mike received 3 times as much money as Sam.

(a) How much money did Sam receive?

(b) How much money did Mike receive?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]



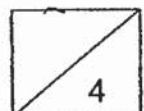
- 36** In the morning, there were equal number of buses and vans in a car park.  
In the afternoon, 90 buses and 54 vans left the car park.  
After this, the number of vans in the car park became twice the number of buses in the car park.
- (a) How many buses were still in the car park in the afternoon?  
(b) How many vans were in the car park in the morning?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

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End of Paper  
Please check your work carefully.





**ANSWER KEY**

**YEAR : 2019**  
**LEVEL : PRIMARY**  
**SCHOOL : AI TONG SCHOOL**  
**SUBJECT : MATHEMATICS**  
**TERM : END-OF-YEAR EXAMINATIONS**

**SECTION A**

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

**SECTION B**

Q16. 5837

Q17. 6703

Q18. 8351

Q19. 7

Q20. 7264

Q21. 89

Q22. \$44.05

Q23.  $\frac{1}{2}$

Q24. 1352

Q25. 2963

Q26. 2572

Q27. 227

Q28. 360m

Q 3 Hr 10min

Q 21 cm<sup>2</sup>

Q ... ) 1502

(b) 1204

Q32. (a) 378

(b) 63

Q33. (a) 5

(b) Banana

(c) Durian

Q34. (a) 21 cm<sup>2</sup>

(b) 40cm

Q35. (a) \$228

(b) \$684

Q36. (a) 36  
 (b) 126

W.D.