AI TONG SCHOOL

2010
SEMESTRAL ASSESSMENT 2
PRIMARY 3

MATHEMATICS

DURATION : 1 h 30 min

DATE : 28 October 2010

INSTRUCTIONS

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

Name : _____ (

Class : Primary 3_____ Marks: 100

Parent's Signature : _____

Date : _____

Section A

Questions 1 to 20 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.

(40 marks)

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1 Which of the following has the digit 5 in the hundreds place?

(1) 9875
(2) 7543
(3) 5432
(4) 3251

2 The library is 2950 m away from Kevin's home. What is the distance in *km* and *m*?

(1) 0 km 295 m
(2) 2 km 950 m
(3) 20 km 95 m
(4) 295 km 0 m

3 What is 5 L 30 mℓ in mℓ?

(1) 530 mℓ
(2) 5003 mℓ
(3) 5030 mℓ
(4) 5300 mℓ

4 What is 1 h 55 min in minutes?

(1) 155 min
(2) 125 min
(3) 115 min
(4) 105 min

5 Arrange the fractions in order. Begin from the **smallest** to the **greatest**.

$\frac{5}{10}$, $\frac{1}{10}$, $\frac{3}{10}$, $\frac{7}{10}$

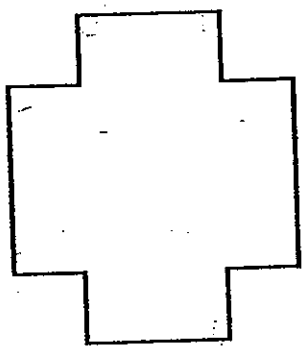
(1) $\frac{7}{10}$, $\frac{5}{10}$, $\frac{3}{10}$, $\frac{1}{10}$

(2) $\frac{3}{10}$, $\frac{1}{10}$, $\frac{5}{10}$, $\frac{7}{10}$

(3) $\frac{7}{10}$, $\frac{5}{10}$, $\frac{1}{10}$, $\frac{3}{10}$

(4) $\frac{1}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{7}{10}$

6 How many right angles are there inside the figure below?



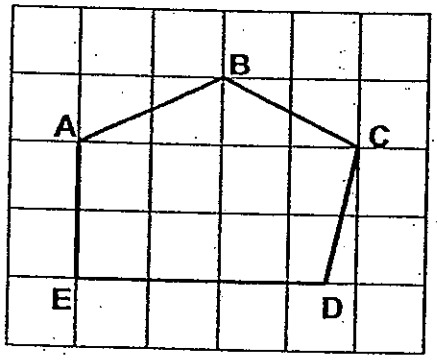
(1) 16

(2) 12

(3) 8

(4) 4

7 Name the pair of perpendicular lines in the figure below.



(1) AB ⊥ BC

(2) CB ⊥ DE

(3) AE ⊥ ED

(4) AB ⊥ CD

8 What is 19 m 70 cm in *cm*?

(1) 197 cm

(2) 970 cm

(3) 1970 cm

(4) 19 070 cm

9 The mass of a packet of sweets is 30 g. A bag of nuts is twice the mass of the packet of sweets. What is the mass of the bag of nuts?

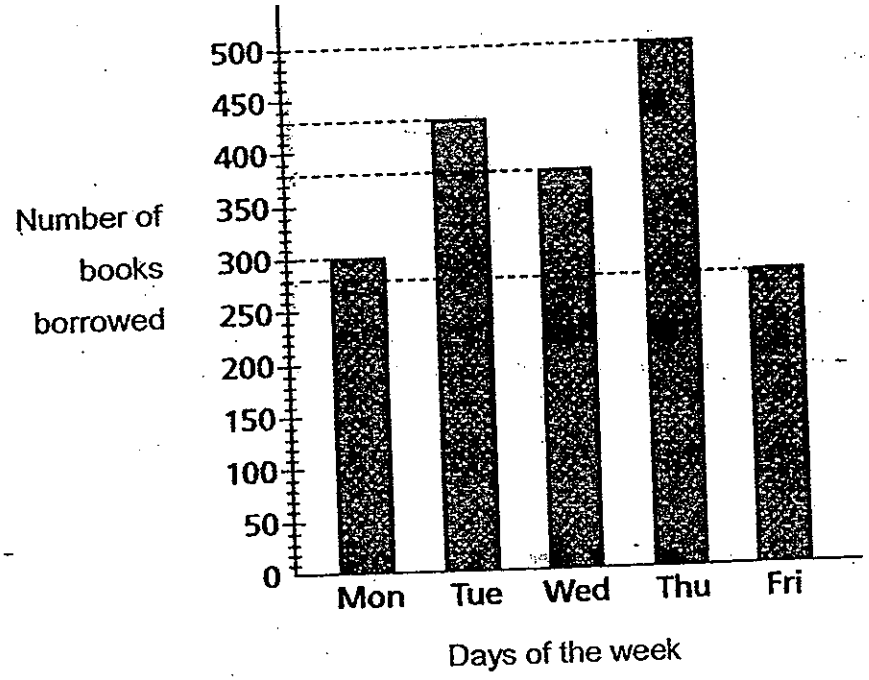
(1) 30 g

(2) 60 g

(3) 90 g

(4) 120 g

Study the graph below and answer question 10.



10 How many books were borrowed from Monday to Friday altogether?

(1) 1905

(2) 1890

(3) 1875

(4) 1790

11 What must be added to 1975 to make 3000?

(1) 1025

(2) 2035

(3) 3795

(4) 4975

12 Niki bought 450 mℓ of orange juice. She drank 120 mℓ of the orange juice. How much orange juice was left?

(1) 330 mℓ

(2) 400 mℓ

(3) 570 mℓ

(4) 600 mℓ

13 How many twenty-cents are there in $1.80?

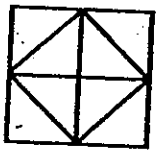
(1) 180

(2) 90

(3) 18

(4) 9

14 Ben wants $\frac{3}{4}$ of the figure below to be shaded. How many must be shaded altogether?



(1) 8

(2) 2

(3) 6

(4) 4

15 One van can ferry 8 people. How many such vans are needed to ferry 256 people?

(1) 8

(2) 16

(3) 24

(4) 32

16 It is now 7.53 p.m. What time was it 3 h 33 min ago?

(1) 11.26 p.m.

(2) 10.26 p.m.

(3) 5.20 p.m.

(4) 4.20 p.m.

17 The sum of two numbers is 990.
If the smaller number is 345, what is the difference between the two numbers?

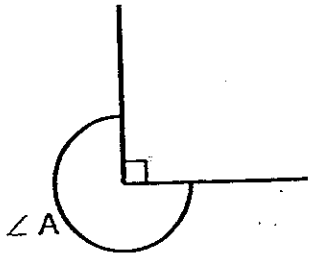
(1) 300

(2) 645

(3) 1245

(4) 1335

18 How many right angles make up angle A?



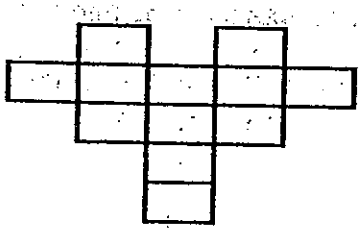
(1) 1

(2) 2

(3) 3

(4) 4

19 The area of each ▭ is 4 m². What is the total area of the figure below?



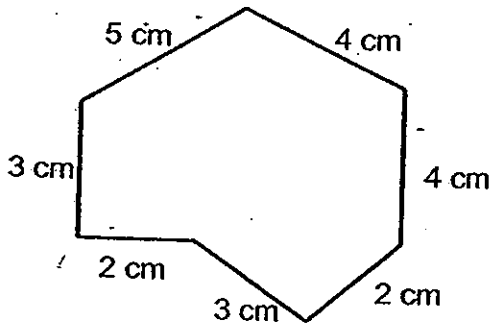
(1) 52 m²

(2) 48 m²

(3) 44 m²

(4) 12 m²

20 The figure below is not drawn to scale.
Find the perimeter of the figure.



(1) 28 cm

(2) 25 cm

(3) 23 cm

(4) 22 cm

Section B

Questions 21 to 40 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)

21 Write six thousand five hundred and three in figures.

Ans: _____

22 200 more than a number is 1284. What is the number?

Ans: _____

23 Divide 824 by 3. What is the quotient?

Ans: _____

24 How many times does the digit "1" appear from the numbers 1 to 20?

Ans: _____

8

25 Change $10.05 to cents

Ans: _____ cents

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26 Write 5688 g in kg and g.

Ans: _____ kg _____ g

---

27 The sum of two numbers is 60. The bigger number is twice the smaller number. What is the bigger number?

Ans: _____

---

28 There were 100 people in a hall at first. 62 people left the hall. How many people were left in the hall in the end?

Ans: _____

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29. Ben sits on the right of Ali.
Carol sits on the left of Ali.
Danny sits on the right of Carol but left of Ben.
Write down the sitting arrangement of the four children from left to right.

Left ↓ **Right** ↓

Ans: _____, _____, _____, _____

30 Joe is 168 cm tall. His sister is 12 cm shorter than he. What is the height of Joe and his sister? **Give your answer in m and cm.**

Ans: _____m_____cm

31 3 bars of chocolate cost $1.20. Jane has $4.80. How many chocolate bars can she buy with her money?

Ans: _____

32 Clara drinks 100 mℓ of milk each day. How much will she drink in a week?

Ans: _____mℓ

8

33 What is the sum of $\frac{3}{8}$ and $\frac{5}{8}$?

Give your answer in the simplest form.

Ans: _____

34 Arrange the following fractions from the biggest to the smallest.

$\frac{1}{12}$, $\frac{3}{4}$, $\frac{2}{6}$

Ans: _____ , _____ , _____

35 A car entered a car park at 3.08 p.m. and left at 3.36 p.m. How long was the car in the car park?

Ans: _____ min

36 Mimi took 1 h 35 min to bake some cookies. She finished baking at 2.15 p.m. What time did she start baking?

Ans: _____ p.m.

37 How many sides and angles does a rectangle have?

Ans: _____sides_____ angles

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38 The product of two numbers is 10.
The difference of the two numbers 3.
Find the two numbers.

Ans: _____, _____

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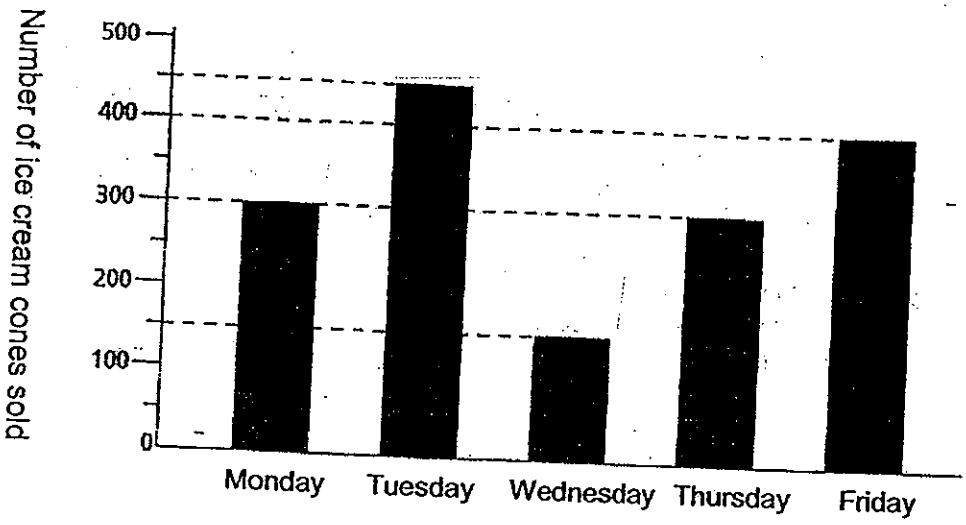
39 The perimeter of a square is 20 m. Find its area.

Ans: _____ cm² m²

6

The graph below shows how many ice cream cones a shop sells in a day.



40 How many ice cream cones were sold on Tuesday?

Ans: _____ cones

2

Section C

Questions **41** to **45** carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (20 marks)

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41. 10 trees are planted at regular intervals from the beginning of a road to the end of it. The distance between every two trees is 3 m. How long is the road?

Ans: _____

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42 Three children have a total mass of 108 kg.
Muthu is 12 kg lighter than Bob.
Ken is twice as heavy as Muthu.

(a) What is Bob's mass?

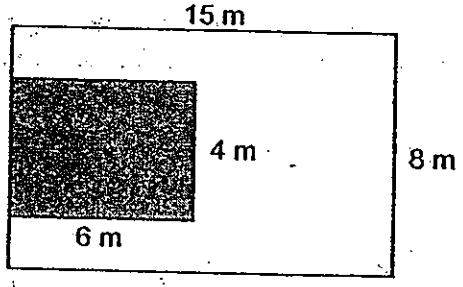
(b) What is Ken's mass?

Ans: (a) _____

(b) _____

8

43. The figure below is not drawn to scale.
The figure is made up of two rectangles.
The smaller rectangle has a length of 6 m and a breadth of 4 m.
The bigger rectangle has a length of 15 m and a breadth of 8 m.
Find the area of the **unshaded** part.



Ans: _____ m^2

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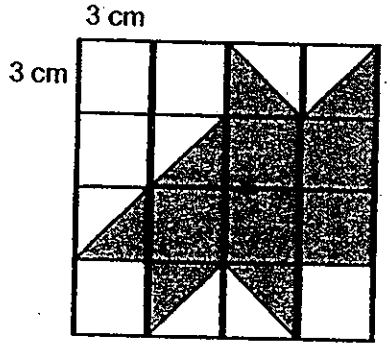
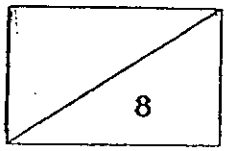
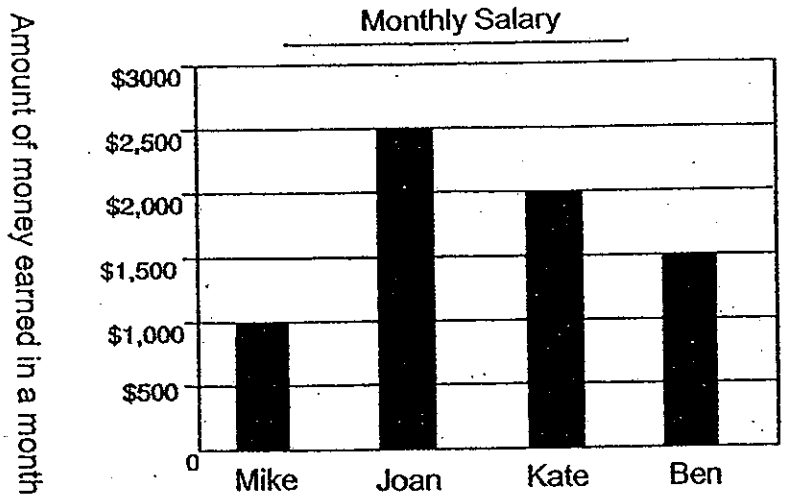
44. The figure is made up of equal squares. Each square has a side of 3 cm. Find the area of the shaded part.



Ans: _____ cm^2



45 The graph below shows how much 4 different people earn in a month. Study the graph and answer the questions below.



(a) How much more money does Joan earn than Mike?

(b) How much do four of them earn altogether?

Ans: (a) $_____

(b) $_____

End of Paper

Please check your work carefully!

4

Ans

EXAM PAPER 2010

SCHOOL : AITONG PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	2	3	3	4	3	3	3	2	2	1	1	4	3	4	4	1

Q18	Q19	Q20
3	2	3

21)6503 **22)1084** **23)274** **24)12 times** **25)1005 cents**

26)5kg 688g **27)40** **28)38** **29)Carol, Danny, Ali, Ben**

30)3 m 24 cm **31)12** **32)700ml** **33)1** **34)¾, 2/6, 1/12**

35)28 min **36)12.40 p.m.** **37)4 sides 4 angles** **38)5, 2**

39)25m2 **40)450 cones**

41)10 – 1 = 9
9 x 3m = 27m

42)108kg – 12kg = 96kg
96kg ÷ 4u= 24kg
24kg→1u
a)24 kg = 12 kg = 36kg
b)24 kg x 2 = 48 kg

43)15m x 8m = 120m2
6m x 4m 24m2
120m2 – 24m2 = 96m2

44)1sq→3 x 3 =9
8sq→8 x 9 = 72cm2

45)a)$2500 – $1000 = $1500
b)$1000 + $2500 + $2000 + $1500 = $7000