



Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2012  
MATHEMATICS  
PRIMARY TWO

Name: \_\_\_\_\_ (     )     Class: Primary 2 \_\_\_\_

Date: 31 October 2012

Duration of paper: 1 h 30 min

\_\_\_\_\_  
Parent's/Guardian's signature

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 22 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Manimum Marks	Marks Obtained
A. Multiple-Choice Questions	36	
B. Short Answers	34	
C. Part 2 (Problem Sums)	30	
Total Marks	100	



**Section A (18 Questions x 2 marks)**

**For each question, four options are given. One of them is the correct answer. Choose the correct answer and write 1, 2, 3 or 4 in the given brackets. All diagrams are not drawn to scale unless otherwise stated.**

1. Which one of the following numbers has the digit '8' in its hundreds place?

(1) 8

(2) 28

(3) 184

(4) 836

( )

2.  $200 + \boxed{?} + 8 = 218$ .

What is the missing number in the box?

(1) 1 ones

(2) 10 tens

(3) 10 ones

(4) 1 hundreds

( )

3.  $\boxed{?} \times 5 = 45$

What is the missing number in the box?

(1) 7

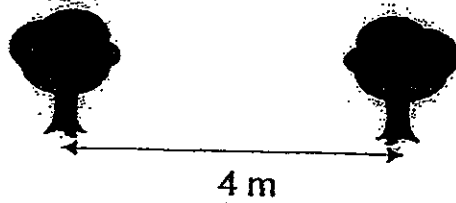
(2) 8

(3) 9

(4) 10

( )

4. 5 trees were planted equally apart. The distance between the first tree and the second tree was 4 m. What was the distance between the first tree and the last tree?



- (1) 8 m
- (2) 12 m
- (3) 16 m
- (4) 20 m

(      )

5. Which one of the following is the shortest in length?

- (1) 7 m
- (2) 9 m
- (3) 7 cm
- (4) 9 cm

(      )

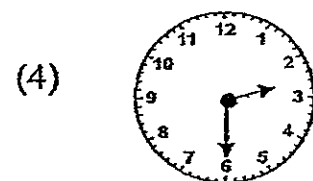
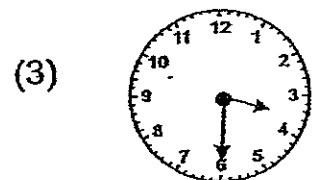
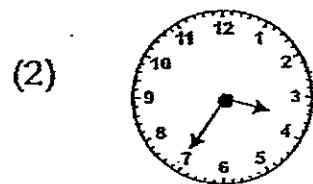
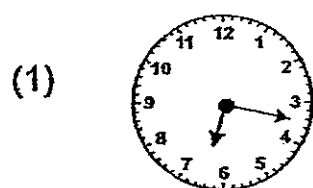
6. Arrange these numbers in order  
Begin with the smallest number.

960 , 609 , 906 , 690

- (1) 690, 609, 960, 906
- (2) 609, 690, 906, 960
- (3) 906, 960, 690, 609
- (4) 960, 906, 690, 609

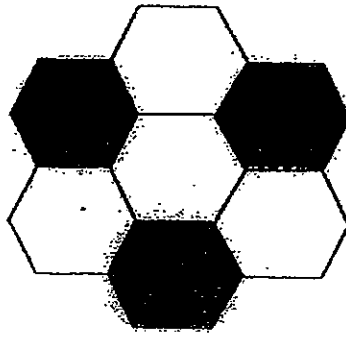
(      )

7. Which clock face shows 30 minutes past 3 o'clock?



( )

8. What fraction of the figure is not shaded?



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

(2)  $\frac{3}{7}$

(3)  $\frac{4}{7}$

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

( )

9. A pizza is cut into 9 equal pieces. Andy and Ben ate 2 slices of pizza each. What fraction of the pizza is left?

(1)  $\frac{5}{9}$

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

(3)  $\frac{7}{9}$

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

( )

10. There is an equal number of cupcakes in each box. If 2 boxes contain 8 cupcakes, how many cupcakes are there in 6 boxes?

- (1) 12  
(2) 16  
(3) 24  
(4) 48

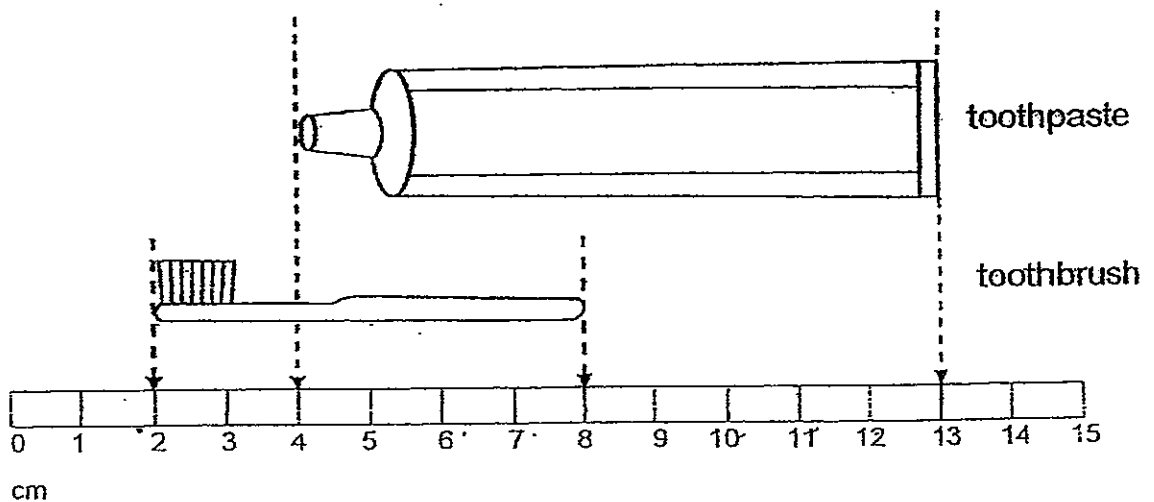
( )

11. In a basket, there were 750 durians. Mr Lee sold 95 of them. How many durians were left?

- (1) 645  
(2) 655  
(3) 745  
(4) 845

( )

12. The picture below is not drawn to scale.  
The toothpaste is \_\_\_\_\_ cm longer than the toothbrush.

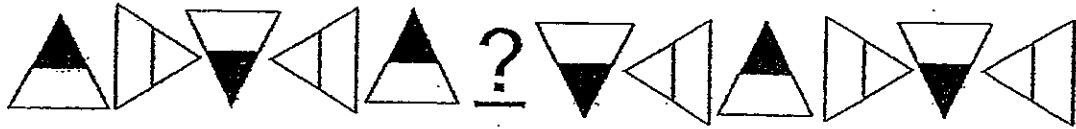


- (1) 11  
(2) 9  
(3) 3  
(4) 5

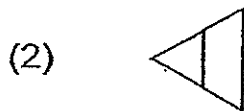
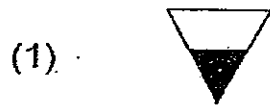
( )

157

13. Study the pattern below.



What is the missing object in the pattern?



( )

14. The table below shows the mass of 4 children.

Name of child	Mass
Angie	27 kg
Betty	34 kg
Catherine	29 kg
Danielle	35 kg

What is the difference in mass between the heaviest child and the lightest child?

(1) 5 kg

(2) 6 kg

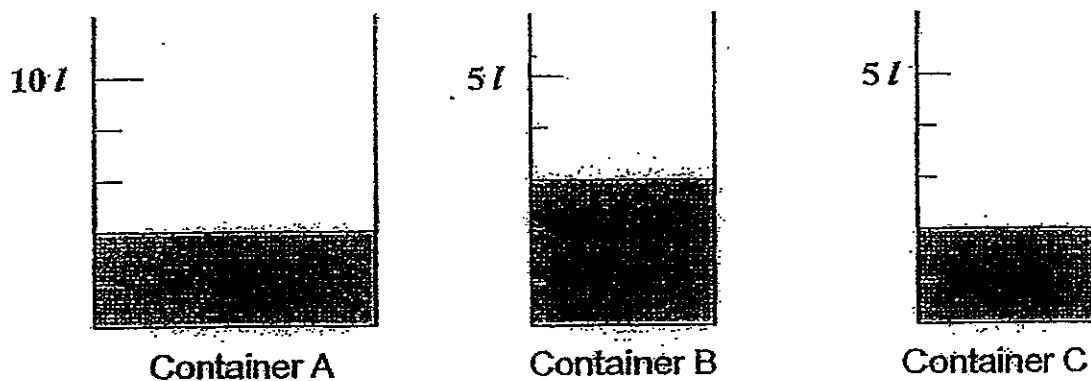
(3) 7 kg

(4) 8 kg

( )



15. At first, Containers A, B and C contained some water as shown below.

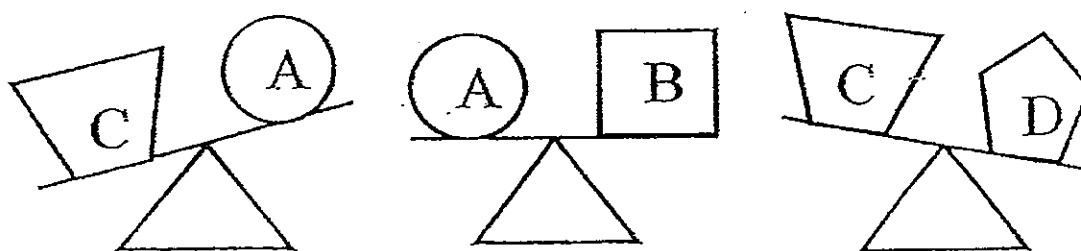


What would be the amount of water in Container A if all the water from Container B and Container C were poured into Container A without any spilling over?

- (1) 6 l
- (2) 7 l
- (3) 8 l
- (4) 9 l

( )

16. Which object is the heaviest?



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

( )

17. Study the number pattern below carefully.

20, 21, 23, 26, 30, 35, \_\_\_\_\_, 48, 56 .....

What is the 7<sup>th</sup> number?

- (1) 37
- (2) 39
- (3) 41
- (4) 45

(       )

18. Ken has 4 strings. String A is shorter than String B while String D is longer than String A. String C is shorter than String B but longer than String D. Which is the longest string?

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

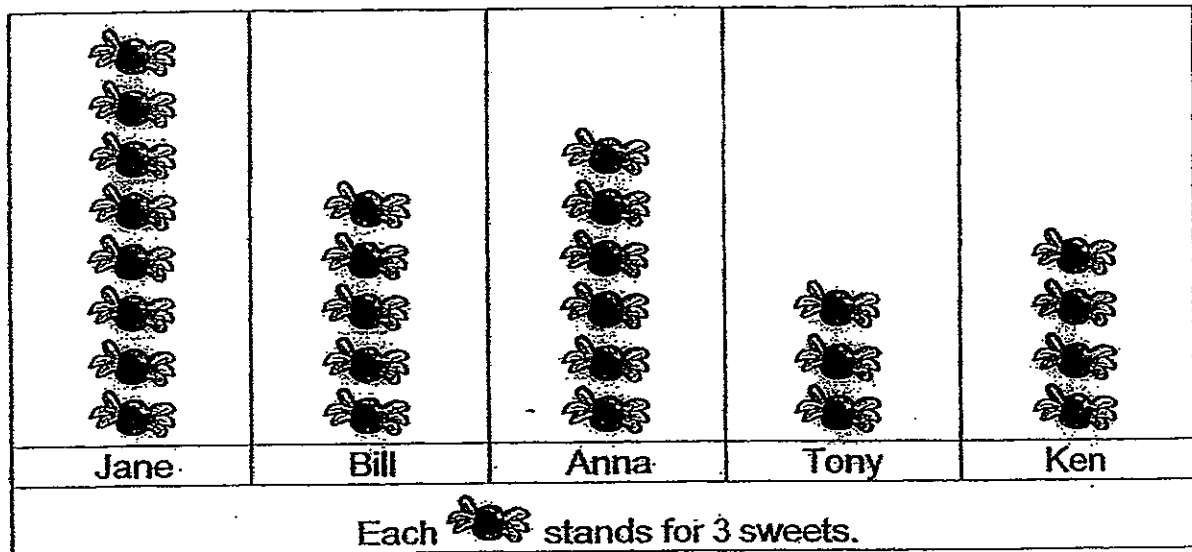
(       )

**Section B (17 Questions x 2 marks)**

**Questions 19 to 35 carry 2 marks each. Write your answers in the spaces provided. Give your answers in the units stated. All diagrams are not drawn to scale unless otherwise stated.**

Study the graph carefully and answer questions 19, 20 and 21.

The graph below shows the number of sweets each child has.



19. How many sweets does Anna have?

Answer :- \_\_\_\_\_ sweets

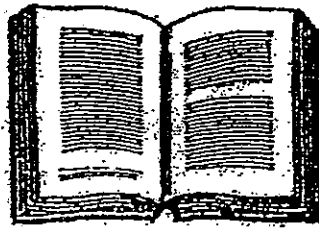
20. How many more sweets does Jane have than Bill?

Answer : \_\_\_\_\_ sweets

21. If each sweet costs \$2, how much money did Tony spend?

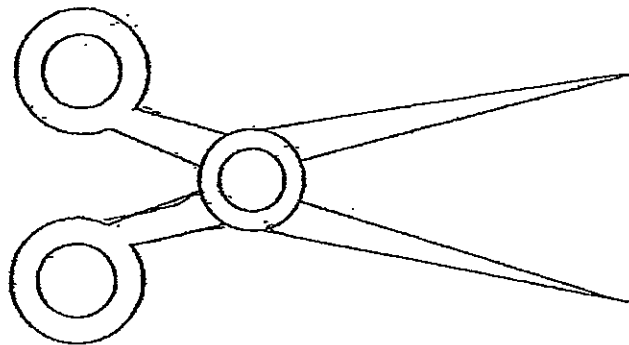
Answer : \$ \_\_\_\_\_

22. The two facing page numbers of a book add up to 87. What are the two page numbers?



Answer : Page \_\_\_\_\_ and Page \_\_\_\_\_

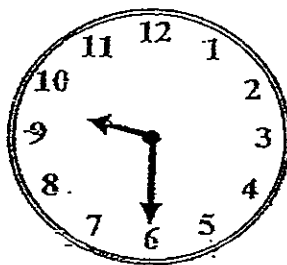
23. Look carefully at the figure below.



How many straight lines does the figure have?

Answer : \_\_\_\_\_ straight line(s)

24. A workshop lasts for 30 minutes. If it starts at 9.30 a.m., what time will it end?



Answer : \_\_\_\_\_ a.m.

25. Arrange the fractions in order.  
Begin with the greatest.

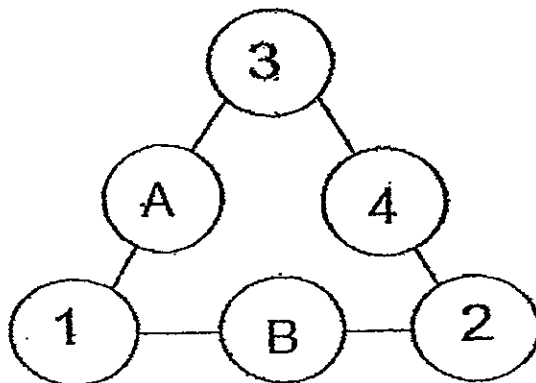
$$\frac{1}{4}, \quad \frac{1}{9}, \quad \frac{1}{6}$$

Answer : \_\_\_\_\_  
greatest

26. Find the difference between the largest 3-digit number and the smallest 3-digit number.

Answer : \_\_\_\_\_

27. Study the diagram below. The total of each side is equal. Find the values of A and B.



Answer : A = \_\_\_\_\_ and B = \_\_\_\_\_

28. Mother bought 36 blue buttons and red buttons altogether. She bought three times as many red buttons as blue buttons. How many blue buttons did she buy?

Answer : \_\_\_\_\_ blue buttons

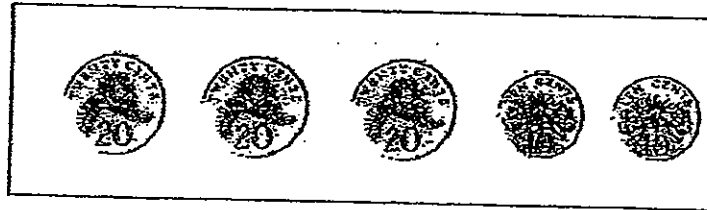
29. Who has the most amount of money?



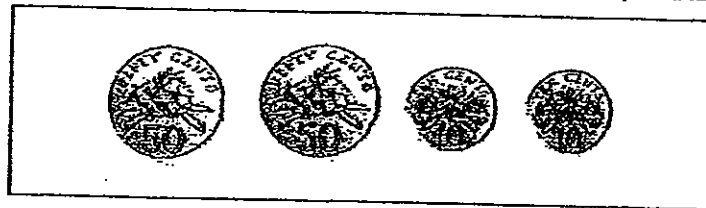
Jimmy



Alice



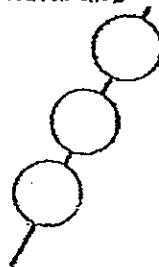
Ernest



Answer : \_\_\_\_\_

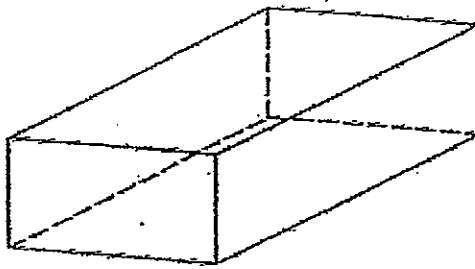
30. A stall vendor sells sticks of fishballs. There are 3 fishballs on each stick. If he sells 24 fishballs, how many sticks of fishballs are sold?

A stick of fishballs



Answer : \_\_\_\_\_ sticks

31. How many rectangular flat faces does the following object have?



Answer : \_\_\_\_\_ rectangular flat faces

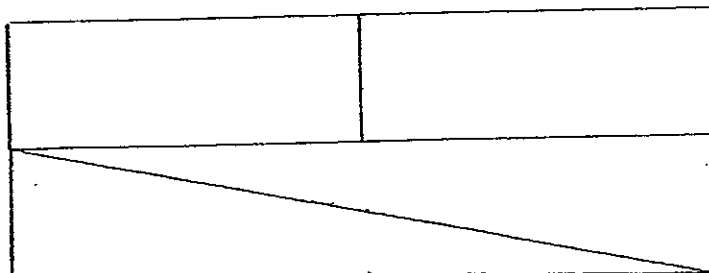
32. Study the diagram below.



What is the mass of the top?

Answer : \_\_\_\_\_ g

33. Shade  $\frac{1}{4}$  of the rectangle below.

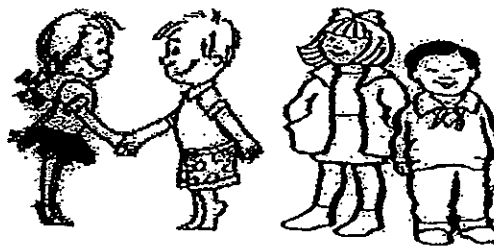


34. Which shape comes next?



Answer: \_\_\_\_\_

35. Four children were at a birthday party. Each child shook hands only once with each of the other three. How many times did they shake hands?



Answer : \_\_\_\_\_



**Section C (30 marks)**

**For questions 36 to 44, show your working and statements clearly in the space provided for each question. The number of marks available is shown in brackets [ ] at the end of each question or part-question.**

36. There were 815 people in a movie theatre. 326 of them were children and the rest were adults.

- (a) How many adults were at the movie theatre? [ 1 mark ]  
(b) How many fewer children than adults were at the movie theatre?  
[ 2 marks ]

(a)

Working

There were \_\_\_\_\_ adults.

(b)

There were \_\_\_\_\_ fewer children than adults.

37. Mary and Raj had 245 beads each. Mary had 80 fewer beads than Jill. How many beads did the three children have altogether?  
[ 3 marks ]

Working

They had \_\_\_\_\_ beads altogether.

38. Joanna bought 5 boxes of muffins. There were 8 muffins in each box. She repacked the muffins equally into 4 boxes. How many muffins were there in each box? [ 3 marks ]

Working

There were \_\_\_\_\_ muffins in each box.

39. Mother baked a cake. Father ate  $\frac{2}{12}$  of the cake. My brother and I ate 3 slices each. What fraction of the cake was left? [ 3 marks ]

Working

\_\_\_\_\_ of the cake was left.

40. Eddie had five 50-cent coins and five 10-cent coins. Peter had ten 20-cent coins.  
(a) How much money did Eddie have? [ 1 mark ]  
(b) How much more money did Eddie have than Peter? [ 2 marks ]

(a)

Working

Eddie had \$\_\_\_\_\_.

(b)

Eddie had \$\_\_\_\_\_ more than Peter.

169

41. Betty went shopping with 6 five-dollar notes. After buying some groceries, she had \$13 left. How much did she spend on the groceries? [ 3 marks ]

Working

She spent \$\_\_\_\_\_ on groceries.

42. There were 980 bottles in a factory. 290 of them were red. There were 280 more blue bottles than red bottles. The rest of the bottles were purple.

(a) How many blue bottles were there? [ 2 marks ]

(b) How many purple bottles were there? [ 2 marks ]

(a)

Working

There were \_\_\_\_\_ blue bottles.

(b)

There were \_\_\_\_\_ purple bottles.

43. 2 cups of water are needed to fill up a jug. 3 jugs of water are needed to fill up a pail. Each cup can hold  $50\text{ ml}$  of water. What is the volume of water in 2 pails? [ 4 marks ]



cup



jug

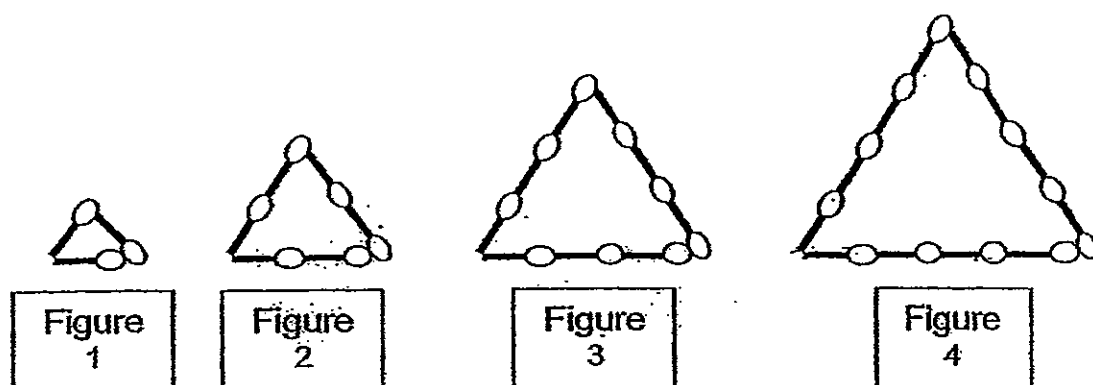


pail

Working

The volume of water in 2 pails is \_\_\_\_\_  $\text{ml}$ .

44. Lily used some matchsticks to build the following figures.



a) Complete the table below. [ 1 mark ]

Figure	1	2	3	4	5
Number of matchsticks	3	6	9		

b) If Lily used 27 matchsticks, which figure did she build?  
 [ 3 marks ]  
 (Hint: Make a table)





# ANSWER SHEET

**EXAM PAPER 2012**

**SCHOOL : ANGLO-CHINESE SCHOOL(PRIMARY)**

**SUBJECT : PRIMARY 2 - MATHEMATICS**

**TERM : SA 2**

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## **SECTION A**

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

Q17	Q18
3	2

## **SECTION B**

**19. 18**

**20. 9**

**21. 18**

**22. 43 and 44**

**23. 8**

**24. 10.00**

**25.  $\frac{1}{4}$ ,  $\frac{1}{6}$ ,  $\frac{1}{9}$**

**26. 899**

**27. 5 and 6**

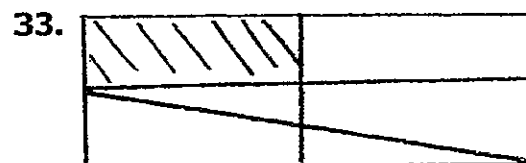
**28. 9**

**29. Earnest**

**30. 8**

**31. 6**

**32. 240**



34. 0

35. 6

**SECTION C**

36. a)  $815 - 326 = 489$

There were 489 adults.

b)  $489 - 326 = 163$

There were 163 fewer children than adults.

37.  $245 + 80 = 325$

$325 + 245 = 570$

$570 + 245 = 815$

They had 815 beads altogether.

38.  $5 \times 8 = 40$

$40 \div 4 = 10$

There were 10 muffins in each box.

39.  $12 - 2 = 10$

$10 - 6 = 4$

4/12 of the cake was left.

40. a)  $5 \times \$0.50 = \$2.50$

$5 \times \$0.10 = \$0.50$

$\$2.50 + \$0.50 = \$3.00$

Eddie had \$3.00.

b)  $10 \times \$0.20 = \$2.00$

$\$3.00 - \$2.00 = \$1.00$

Eddie had \$1.00 more than Peter.

41.  $6 \times 5 = 30$

$30 - 13 = 17$

She spent \$17 on groceries.

42. a)  $290 + 280 = 570$

There were 570 blue bottles.

b)  $570 + 290 = 860$

There were 860 purple bottles.

43.  $2 \times 50\text{ml} = 100\text{ml}$

$100\text{ml} \times 3 = 300\text{ml}$

$300\text{ml} \times 2 = 600\text{ml}$

The volume of water in 2 pails is 600ml.

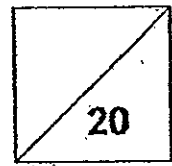
44. a)  $\boxed{12}$   $\boxed{15}$

b)  $27 \div 3 = 9$

The figure is 9.



Ai Tong School  
Primary Two Mathematics  
Term 3 (2012)  
Length, Mass, Money

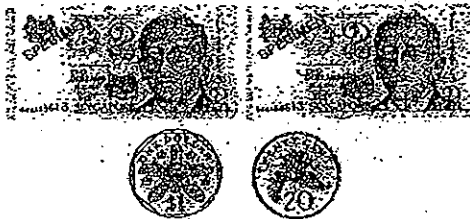


Name: \_\_\_\_\_ (     )                      Date: \_\_\_\_\_

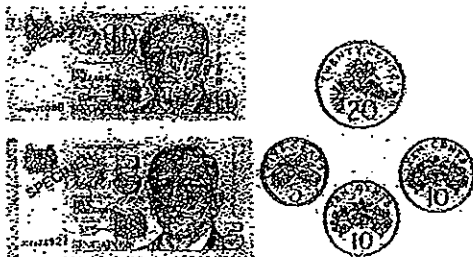
Class: Pr. 2 (     )                      Parent's Signature: \_\_\_\_\_

1. Count and write the total amount of money in the boxes provided.  
(1 mark each)

a.



b.



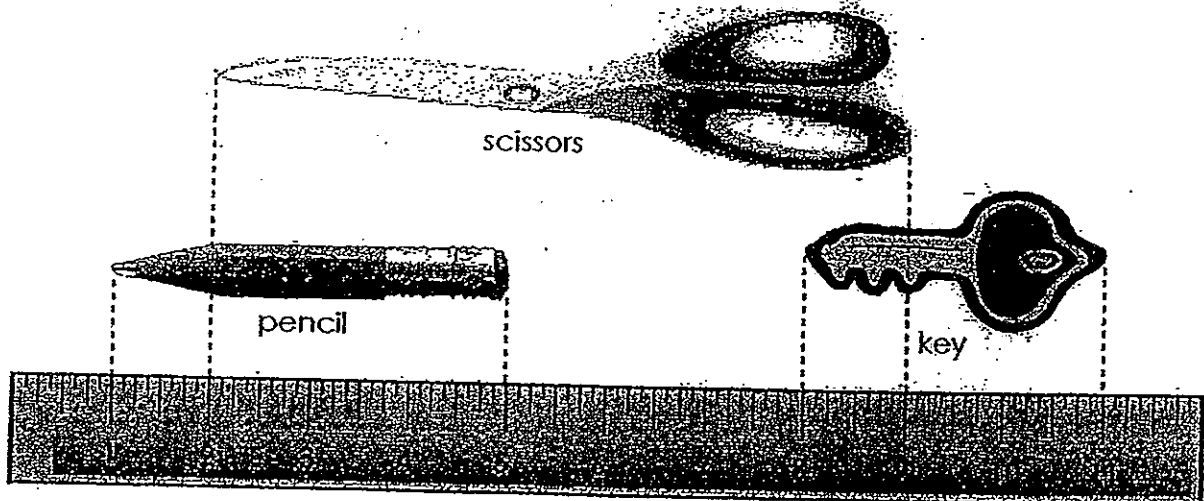
2. Write the correct answer in each box. (1 mark each)

a. 28 dollars and 70 cents =

b. \$4.55 is the same as

c. Sixty-three dollars and five cents is the same as

3. Look at the picture below and answer questions 3a – 3d. (1 mark each)



a. The key is about \_\_\_\_\_ cm long.

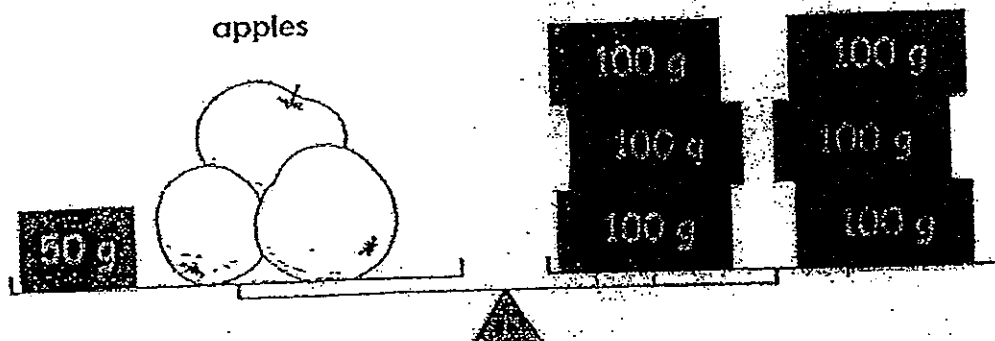
b. The scissors is about \_\_\_\_\_ cm long.

c. The \_\_\_\_\_ is the shortest.

d. The scissors is longer than the pencil by \_\_\_\_\_ cm.

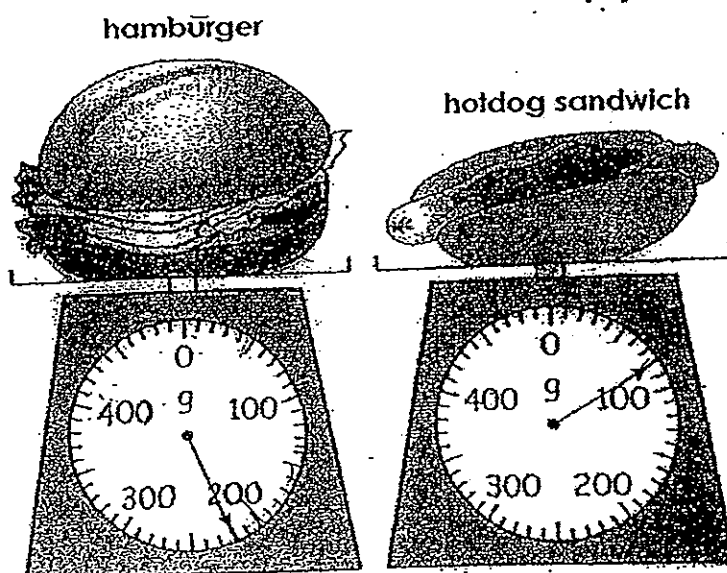
Fill in the blanks with the correct answer.

4.



The mass of the apples is \_\_\_\_\_ g. (1 mark)

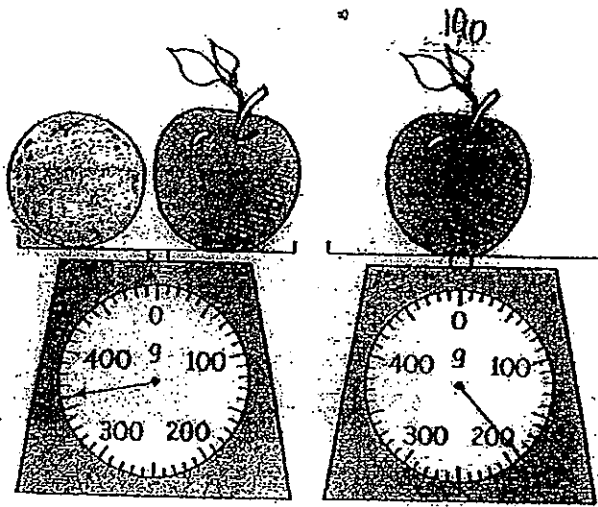
5.



a. The mass of the hamburger is \_\_\_\_\_ g. (1 mark)

b. The hotdog sandwich is \_\_\_\_\_ g lighter than the hamburger. (1 mark)

6.

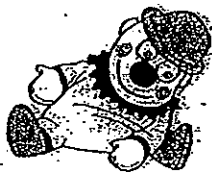


- a. The total mass of an apple and orange is \_\_\_\_\_ g. (1 mark)
- b. The mass of the orange is \_\_\_\_\_ g. (2 marks)

7.



Horse  
\$21



Clown  
\$18



Bear  
\$15



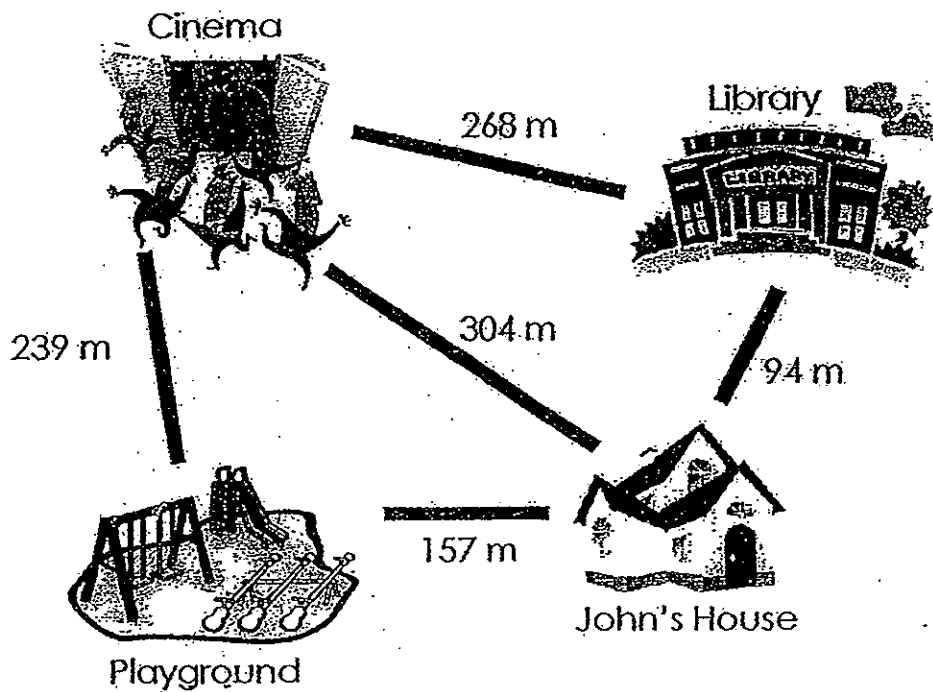
Duck  
\$9

Susan spent exactly \$30 on two different toys.

She bought the toy \_\_\_\_\_ and toy \_\_\_\_\_. (2 marks)



8.



- a. The **shortest** distance from John's house to the cinema is \_\_\_\_\_ m.  
**(1 mark)**
- b. John left the cinema and walked directly to the playground. After that, he continued walking home. How far did he walk?

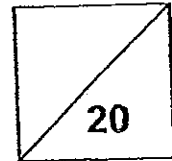
\_\_\_\_\_

He walked \_\_\_\_\_ m. **(2 marks)**

Have you checked your work? ☺



Ai Tong School  
Primary Two Mathematics  
Term 3 (2012)  
Money, Time, Fractions

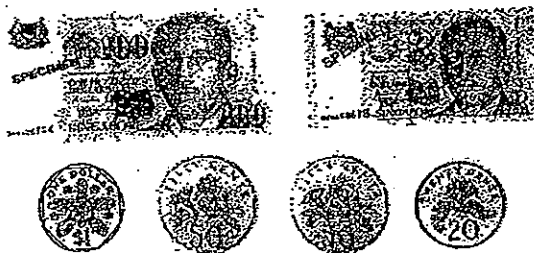


Name: \_\_\_\_\_ (     )     Date: \_\_\_\_\_

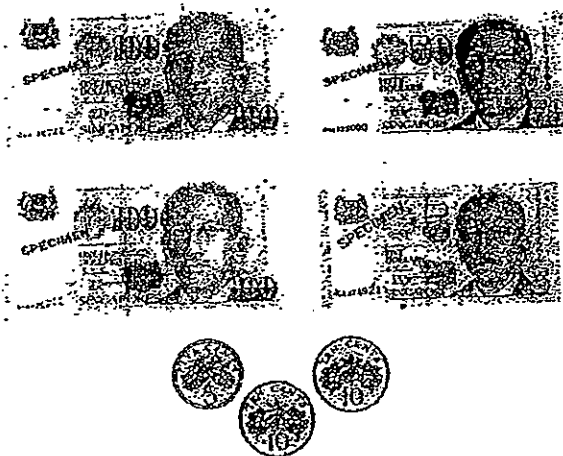
Class: Pr. 2 (     )     Parent's Signature: \_\_\_\_\_

1. Count and write the total amount of money in the boxes provided.  
(1 mark each)

a.



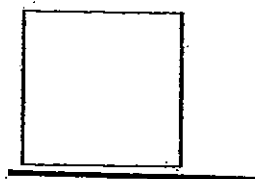
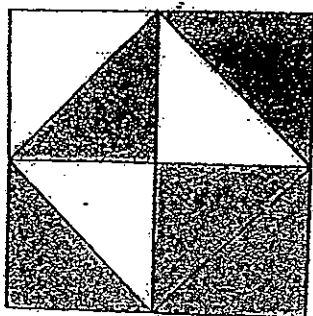

b.



2. Write the correct answer in each box. (1 mark each)

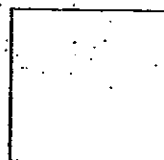
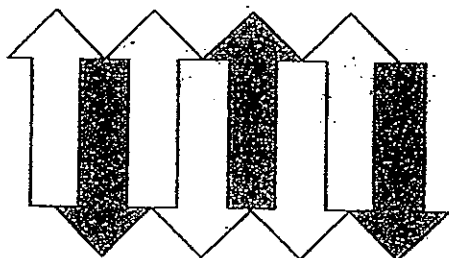
What fraction of the figure is **shaded**?

a.



What fraction of the figure is **not shaded**?

b.



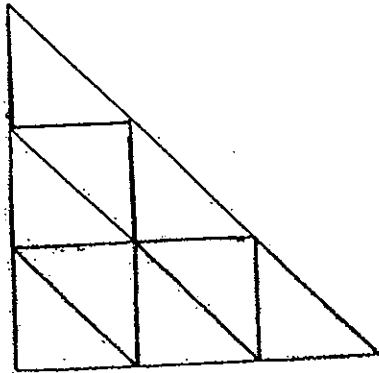
3. Arrange the fractions in order. (1 mark)

$$\frac{1}{12} \quad , \quad \frac{1}{2} \quad , \quad \frac{1}{5} \quad , \quad \frac{1}{8}$$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(greatest)

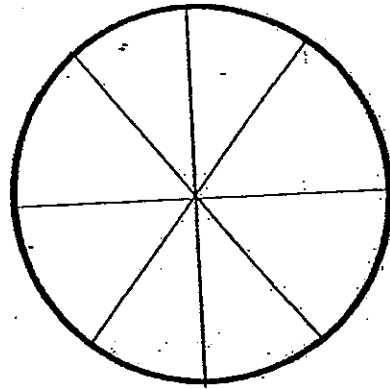
4. Shade the figures according to the given fractions. (1 mark each)

a.



$\frac{4}{9}$

b.



$\frac{3}{4}$

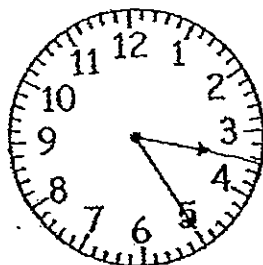
Fill in the blanks with the correct answer. (1 mark each)

5.  $\frac{2}{7} + \frac{1}{7} = \underline{\hspace{2cm}}$

6.  $\frac{4}{12} + \underline{\hspace{2cm}} = 1$

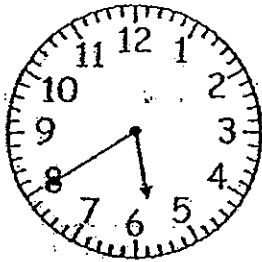
7.  $\frac{9}{10} - \underline{\hspace{2cm}} = \frac{4}{10}$

8.



The time is  $\underline{\hspace{2cm}}$  p.m.

9.



The time is \_\_\_\_\_ a.m.

10.

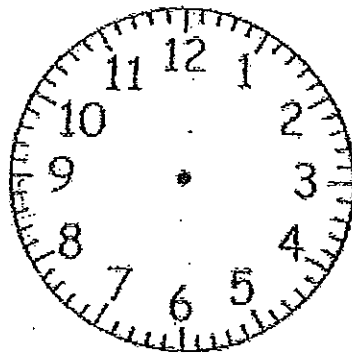
11.30 a.m. is 30 min after \_\_\_\_\_ a.m.

11.

9.00 p.m. is 1 h before \_\_\_\_\_ p.m.

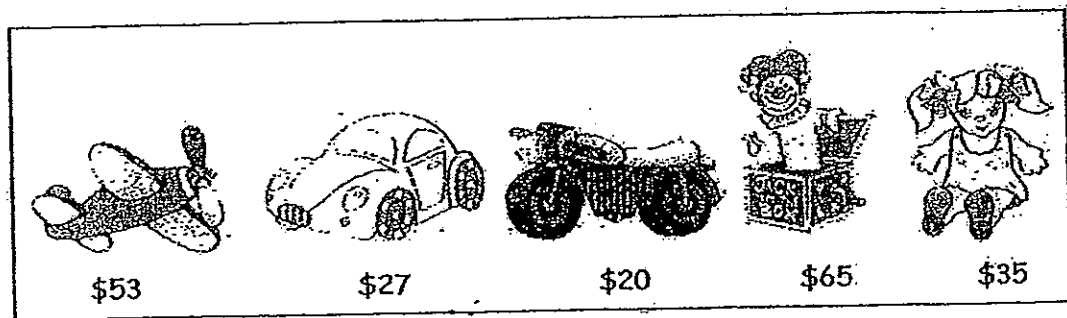
12.

Alice completed her homework in half an hour. She completed her work at 9 p.m. Draw the hour and minute hands on the clock below to show the time she started doing her homework. (1 mark)



Solve the following word problems. The marks are indicated in each question. Show your working clearly.

13. Amy had \$100. After she bought a toy car and a toy motorcycle, she had \$18 left. How much did the third toy cost? (3 marks)



The third toy cost \$\_\_\_\_\_.

14. Grace bought a pizza and cut it into 10 equal pieces. She ate  $\frac{3}{10}$  of the pizza and her family members ate the rest. What fraction of the pizza did her family eat? (2 marks)

Her family ate \_\_\_\_\_ of the pizza.

~~~~ End of Paper ~~~~

Have you checked your work? ☺





# Answer Ke

## EXAM PAPER 2012

SCHOOL : AI TONG SCHOOL

SUBJECT : PRIMARY 2 - MATHEMATICS

TERM : TERM 3

### Length, Mass, Money

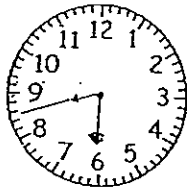
- 1a. \$5.20
- 1b. \$15.45
- 2a. \$28.70
- 2b. 455 cents
- 2c. \$63.05
- 3a. 3cm
- 3b. 7cm
- 3c. key
- 3d. 3cm
- 4. 550g
- 5a. 220g
- 5b. 140g
- 6a. 360g
- 6b. 170g
- 7. horse and duck
- 8a. 304m
- 8b.  $304\text{m} + 157\text{m} = 461\text{m}$   
He walked 461m.

### Money, Time, Fractions

- 1a. \$104.20
- 1b. \$255.25
- 2a.  $\frac{5}{8}$
- 2b.  $\frac{5}{8}$
- 3.  $\frac{1}{2}$ ,  $\frac{1}{5}$ ,  $\frac{1}{8}$ ,  $\frac{1}{12}$
- 4a.



- 5. 3/7
- 6. 8/12
- 7. 5/10
- 8. 3.25pm
- 9. 5.40am
- 10. 11am
- 11. 10pm
- 12.



- 13.  $100 - 18 = 82$   
 $27 + 20 = 47$   
 $82 - 47 = 35$   
The third toy costs \$35.
- 14.  $1 - 3/10 = 7/10$   
Her family ate 7/10 of the pizza.