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 | |

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**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 + [ ? ] + 8 = 218.

   What is the missing number in the box?

   (1) 1 ones
   (2) 10 tens
   (3) 10 ones
   (4) 1 hundreds ( )

3. [ ? ] x 5 = 45

   What is the missing number in the box?

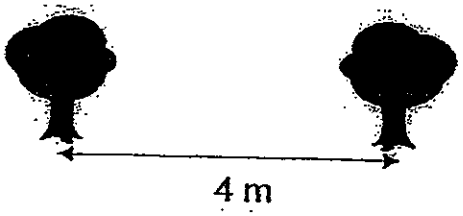
   (1) 7
   (2) 8
   (3) 9
   (4) 10 ( )

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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

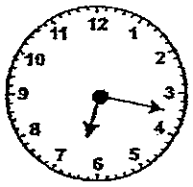
(1) 690, 609, 960, 906
(2) 609, 690, 906, 960
(3) 906, 960, 690, 960
(4) 960, 906, 690, 609

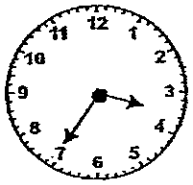
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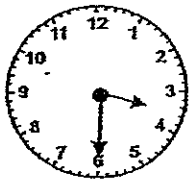


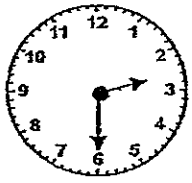
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7. Which clock face shows 30 minutes past 3 o'clock?

(1) 

(2) 

(3) 

(4) 

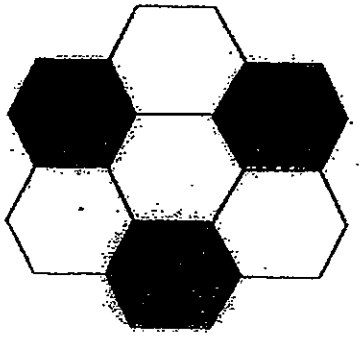
(  )

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



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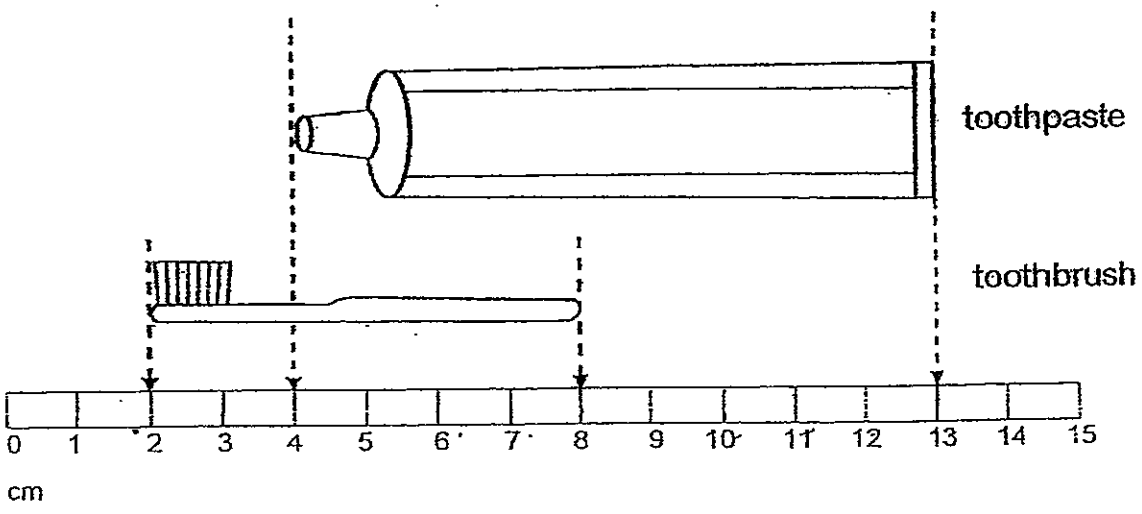
10. There is an equal number of cupcakes in each box. If 2 boxes contain 8 cupcakes, how many cupcakes are there in 6 boxes?

(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.



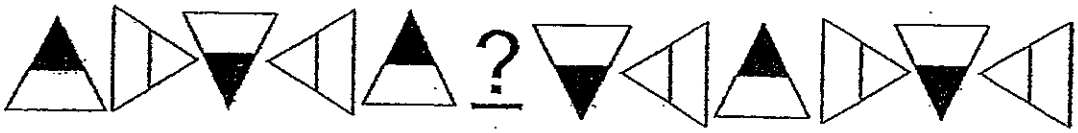

(1) 11
(2) 9
(3) 3
(4) 5 ( )

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13. Study the pattern below.



What is the missing object in the pattern?

(1) 

(2) 

(3) 

(4) 

(  )

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?

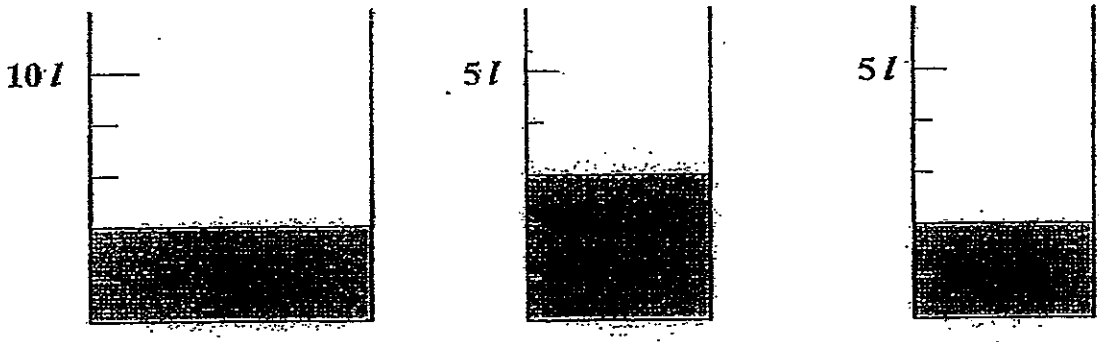
(1) 5 kg
(2) 6 kg
(3) 7 kg
(4) 8 kg

(



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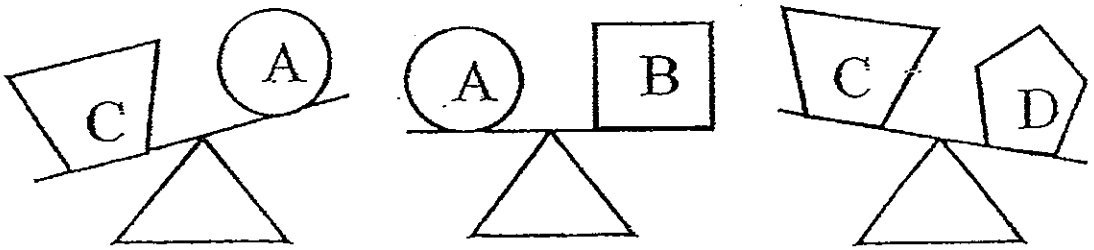
15. At first, Containers A, B and C contained some water as shown below.




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 ( )



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17. Study the number pattern below carefully.

20, 21, 23, 26, 30, 35, _____ , 48, 56 .....

What is the 7th 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

( )

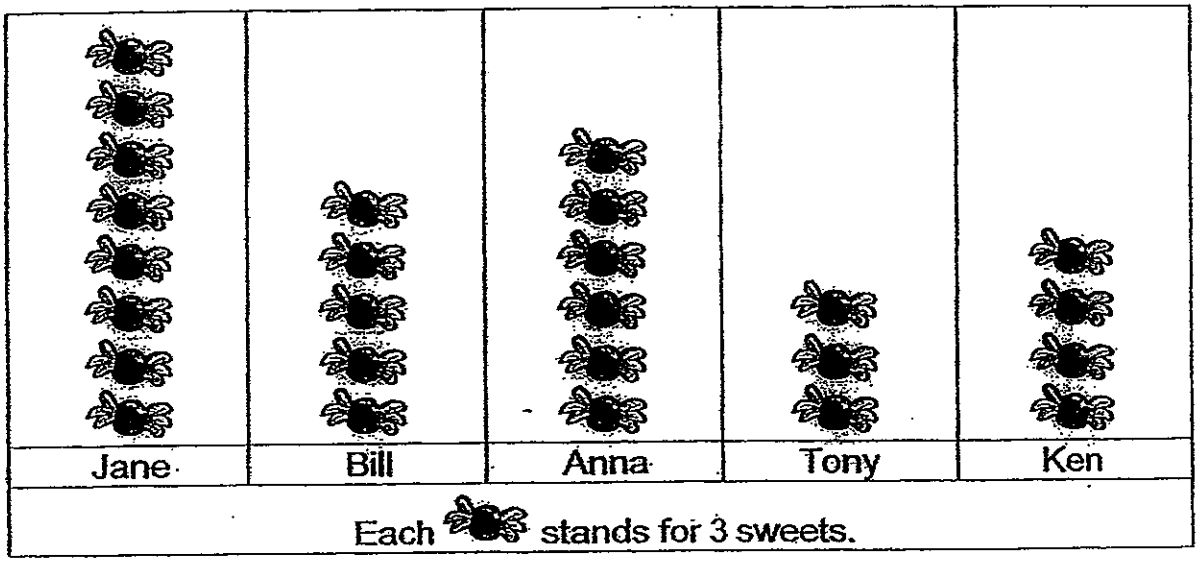


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**Section B (17 Questions x 2 marks)**
**Questions 19 to 35 carry 2 marks each. Write your answers in the spaces provided. Give your answers in the units stated. All diagrams are not drawn to scale unless otherwise stated.**

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?

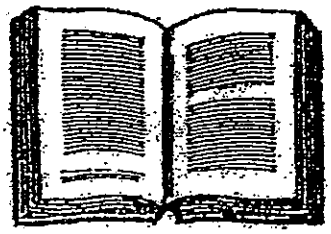
Answer : $_____



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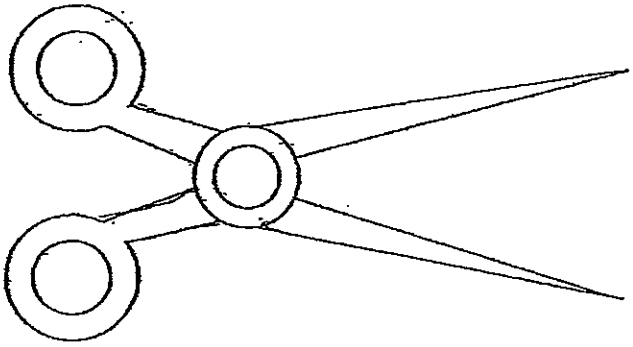
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22. The two facing page numbers of a book add up to 87. What are the two page numbers?



Answer : Page _____ and Page _____

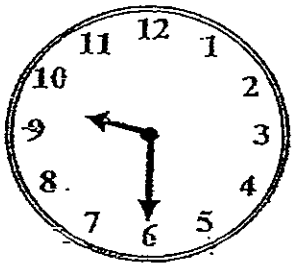
23. Look carefully at the figure below.



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.



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

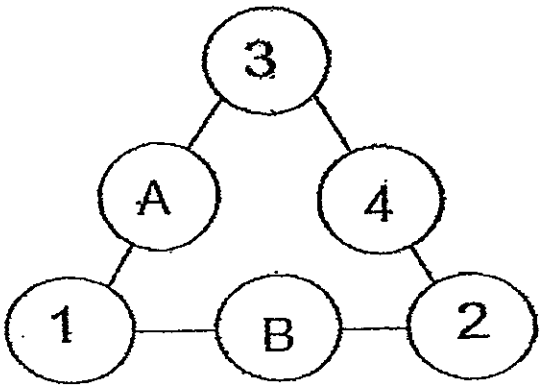
$\frac{1}{4}$ , $\frac{1}{9}$ , $\frac{1}{6}$

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?

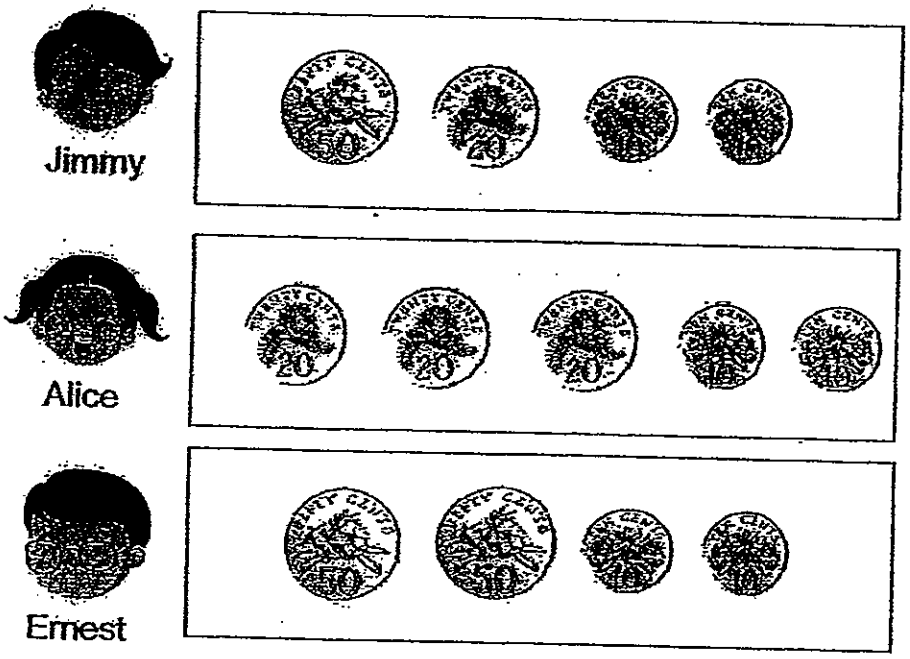
Answer : _____ blue buttons



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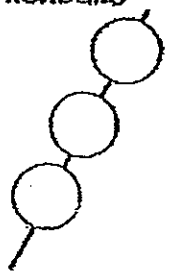
29. Who has the most amount of money?




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

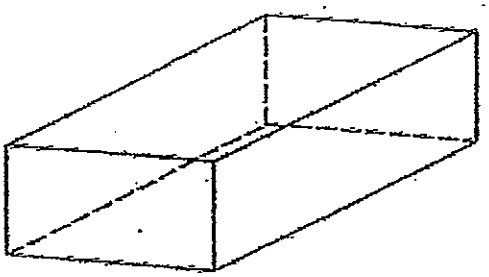


Answer : _____ sticks



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



Answer : _____ rectangular flat faces

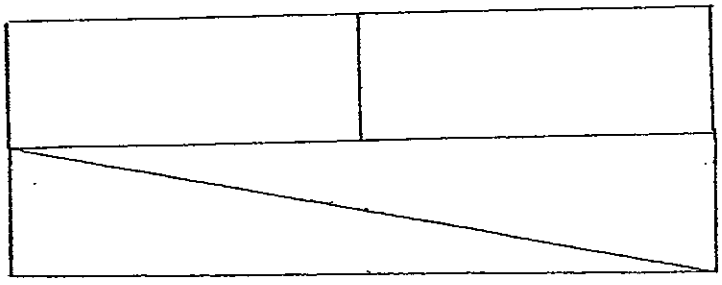
32. Study the diagram below.




What is the mass of the top?

Answer : _____ g

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





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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 : _____



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**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.



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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.



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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.

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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.

62



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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.



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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 $m\ell$ of water. What is the volume of water in 2 pails? [ 4 marks ]



cup



jug



pail

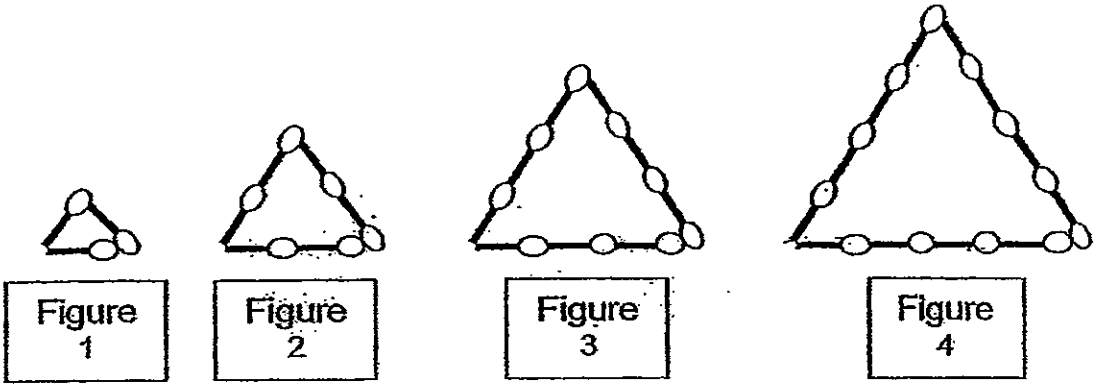
Working

The volume of water in 2 pails is _____ $m\ell$.



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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)**

End-of-Paper



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# ANSWER SHEET

**EXAM PAPER 2012**
**SCHOOL : ANGLO-CHINESE SCHOOL(PRIMARY)**
**SUBJECT : PRIMARY 2 - MATHEMATICS**
**TERM : SA 2**

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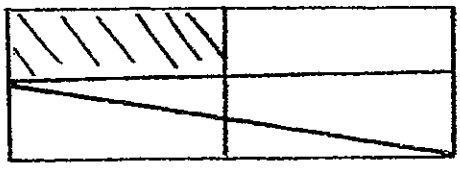
**SECTION A**

| 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. 1/4, 1/6, 1/9**
**26. 899**
**27. 5 and 6**
**28. 9**
**29. Earnest**
**30. 8**
**31. 6**
**32. 240**
**33.**



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34. O
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 x 8 = 40
40 ÷ 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 x $0.50 = $2.50
5 x $0.10 = $0.50
$2.50 + $0.50 = $3.00
Eddie had $3.00.

b) 10 x $0.20 = $2.00
$3.00 - $2.00 = $1.00
Eddie had $1.00 more than Peter.

41. 6 x 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.



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43. 2 x 50ml = 100ml
100ml x 3 = 300ml
300ml x 2 = 600ml
The volume of water in 2 pails is 600ml.

44. a) 12 15

b) 27 ÷ 3 = 9
The figure is 9.

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

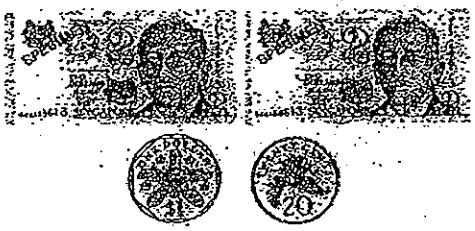
20

Name: _____ (  ) Date: _____

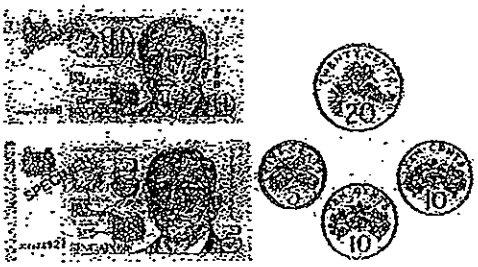
Class: Pr. 2 (  ) Parent's Signature: _____

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

a.



b.





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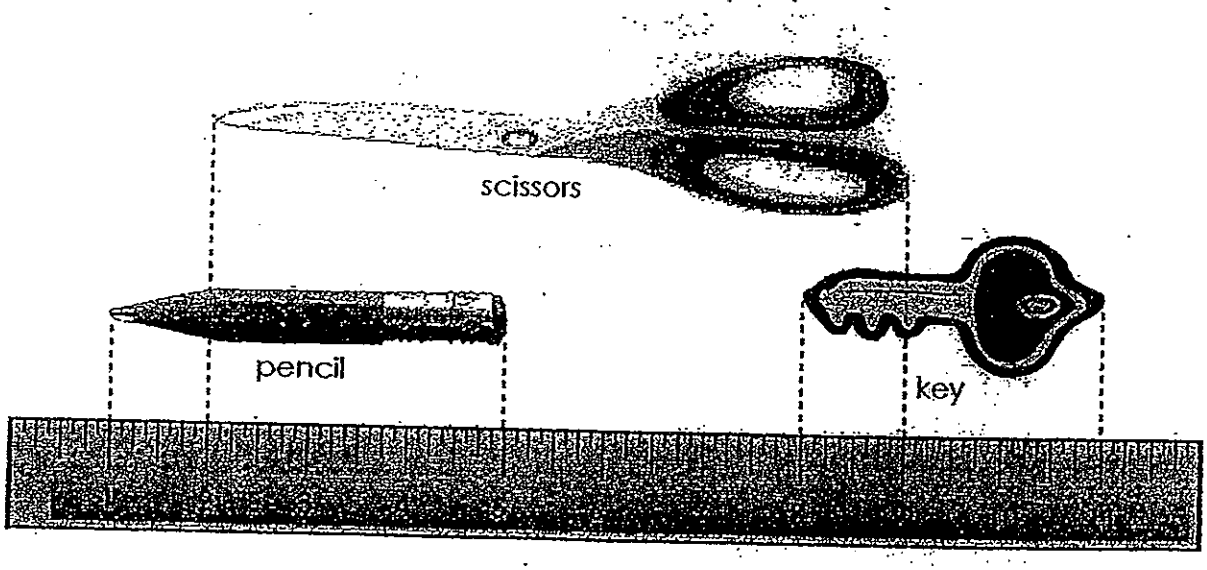
2. **Write the correct answer in each box. (1 mark each)**

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.

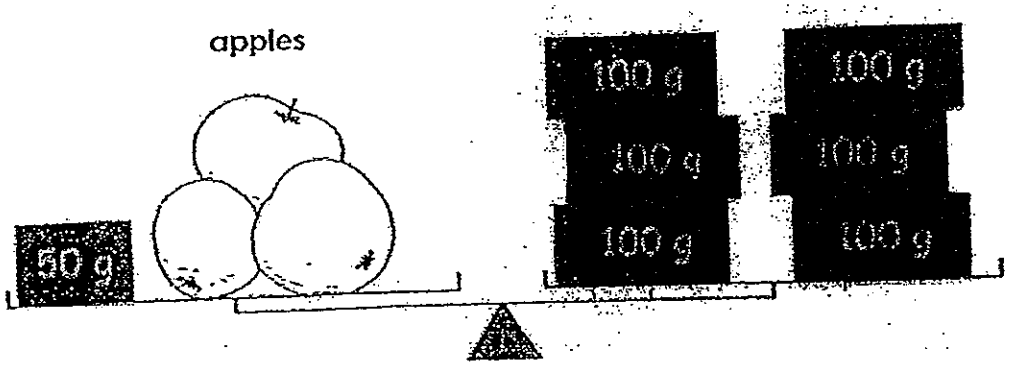
d. The scissors is longer than the pencil by _____cm.



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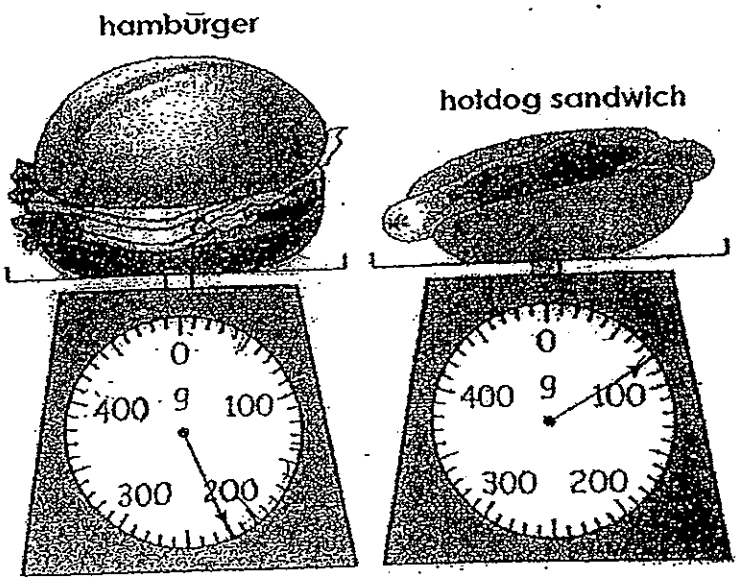
**Fill in the blanks with the correct answer.**

4.




The mass of the apples is _____ g. **(1 mark)**

5.



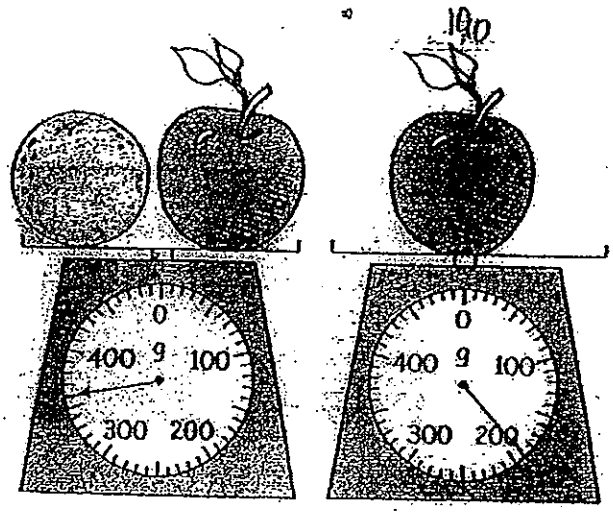

a. The mass of the hamburger is _____g. **(1 mark)**

b. The hotdog sandwich is _____g lighter than the hamburger. **(1 mark)**



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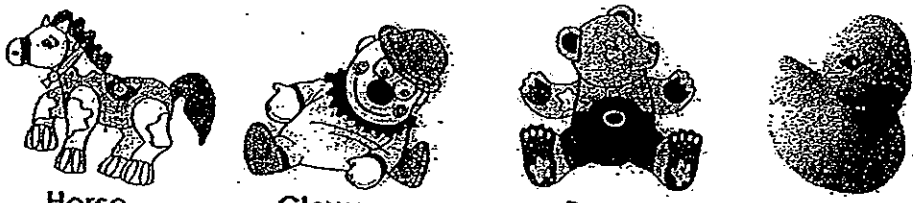
6.




a. The total mass of an apple and orange is _____ g. **(1 mark)**

b. The mass of the orange is _____g. **(2 marks)**

7.



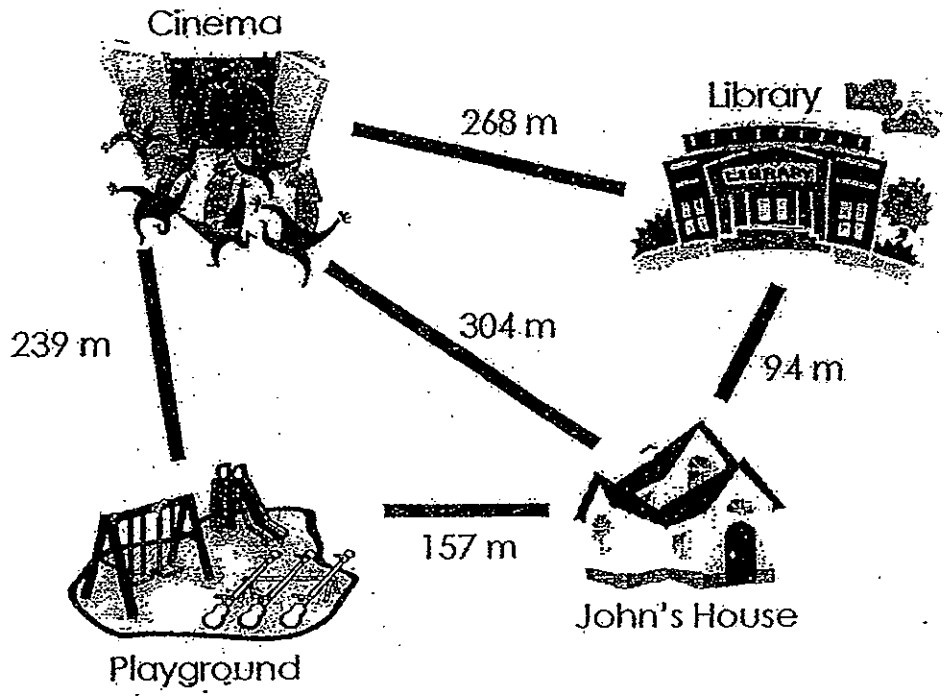

Susan spent **exactly $30** on **two** different toys.

She bought the toy _____ and toy _____. **(2 marks)**



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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? ☺



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

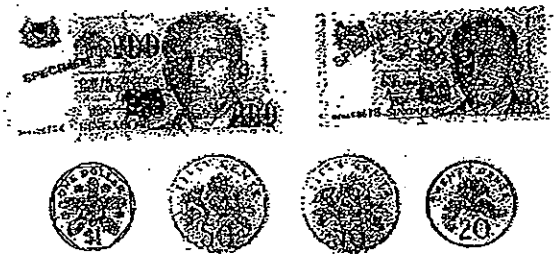
20

Name: _____ (  )  Date: _____

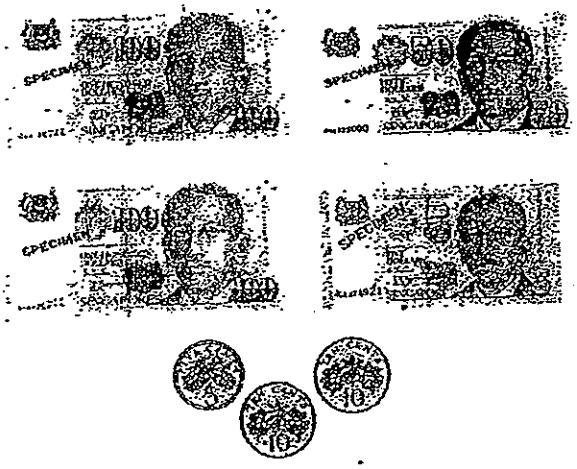
Class: Pr. 2 (  )  Parent's Signature: _____

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

a.



b.





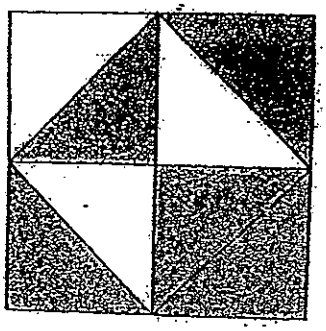
41

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

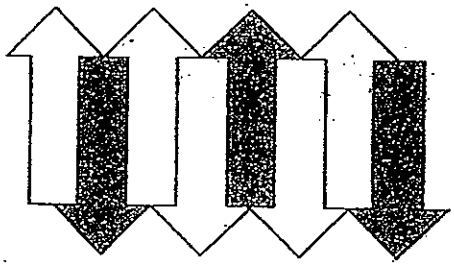
What fraction of the figure is **shaded**?

a.



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

b.



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

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

_____ , _____ , _____ , _____

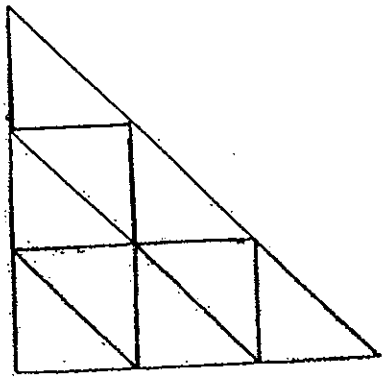
**(greatest)**



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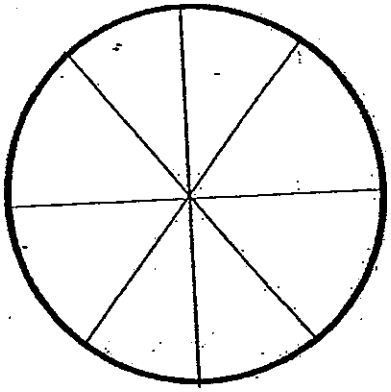
4. Shade the figures according to the given fractions. (1 mark each)

a.



$\frac{4}{9}$

b.



$\frac{3}{4}$

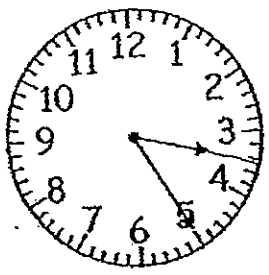
Fill in the blanks with the correct answer. (1 mark each)

5. $\frac{2}{7} + \frac{1}{7} =$ _____

6. $\frac{4}{12} +$ _____ $= 1$

7. $\frac{9}{10} -$ _____ $= \frac{4}{10}$

8.

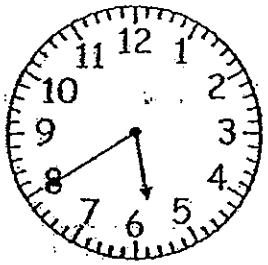



The time is _____ p.m.



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9.

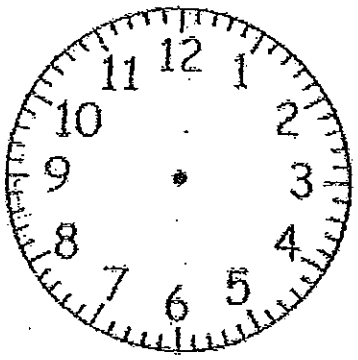


The time is _____ a.m.

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)**

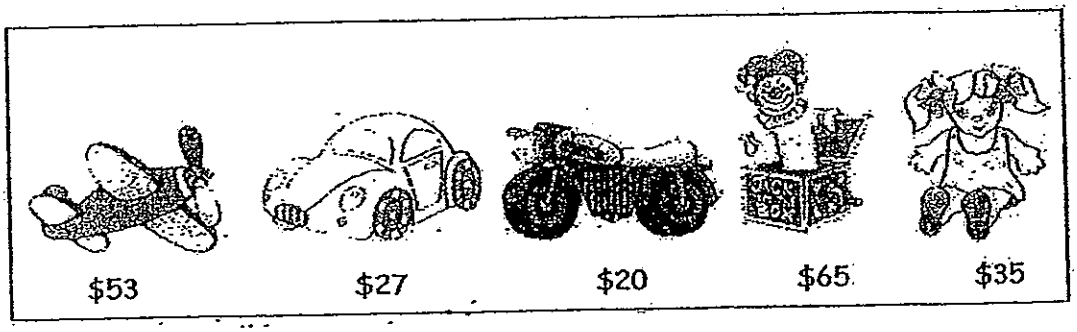




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**Solve the following word problems. The marks are indicated in each question. Show your working clearly.**

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? ☺



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# ANSWER SHEET

**EXAM PAPER 2012**
**SCHOOL : AI TONG SCHOOL**
**SUBJECT : PRIMARY 2 - MATHEMATICS**
**TERM : TERM 3**

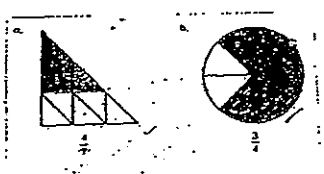
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**Length, Mass, Money**

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. 304m+157m=461m
He walked 461m.

**Money, Time, Fractions**

1a. $104.20
1b. $255.25
2a. 5/8
2b. 5/8
3. ½, 1/5, 1/8, 1/12
4a.

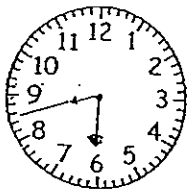




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5. 3/7
6. 8/12
7. 5/10
8. 3.25pm
9. 5.40am
10. 11am
11. 10pm
12.




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.



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