RED SWASTIKA SCHOOL

2014 CONTINUAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 /_____

Date : 28 February 2014

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 50 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 4
   (b) Questions 1 to 15
6. You are not allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1 What number is 20 tens less than 753 148?

(1) 751 148
(2) 752 948
(3) 753 128
(4) 753 348

2 What is the value of the digit 6 in 9 362 148?

(1) 6
(2) 60
(3) 6 000
(4) 60 000

3 Find the difference between 2.9 and 3.01.

(1) 0.1
(2) 0.11
(3) 1.01
(4) 1.11

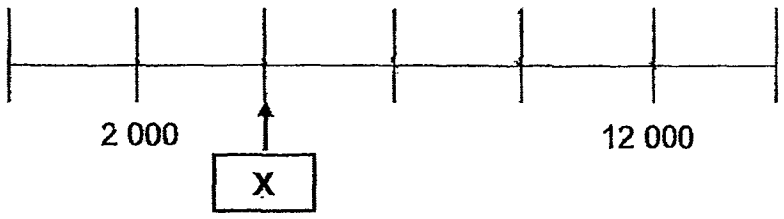
4 What is the missing number in the box?
124 × ☐ = 124 000

(1) 10
(2) 100
(3) 1 000
(4) 10 000

5 Find the value of 2 400 000 ÷ 8 000.

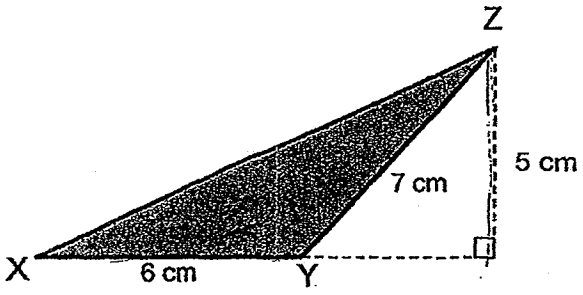
(1) 30
(2) 300
(3) 3 000
(4) 30 000

6 What is the value of X?



(1) 2 500
(2) 3 000
(3) 4 000
(4) 4 500

7 Find the area of Triangle XYZ.



(1) 15 cm^2
(2) 21 cm^2
(3) 30 cm^2
(4) 42 cm^2

8 Samson ran 2 km on Monday. On Tuesday, he ran 1 km more than what he ran on Monday. He ran the same distance on Wednesday and Thursday. He ran a total of 13 km in the four days. How far did he run on Thursday?

(1) 5 km
(2) 8 km
(3) 3 km
(4) 4 km

9 Find the value of $28 - 16 \div 4 + 2$.

(1) 5
(2) 2
(3) 22
(4) 26

10 Find the sum of $\frac{3}{4}$ and $\frac{1}{8}$.

(1) $\frac{1}{2}$
(2) $\frac{7}{8}$
(3) $\frac{4}{12}$
(4) $\frac{3}{32}$

11 Which is the best estimate for 415 x 58 ?

(1) 400 x 50
(2) 400 x 60
(3) 500 x 50
(4) 500 x 60

12 Find the value of $64 \div (4 + 4) \times 9 - 5 \times 2$.

(1) 42
(2) 62
(3) 64
(4) 134

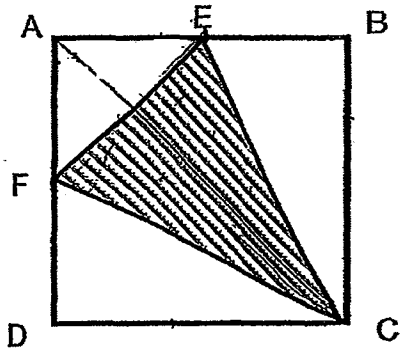
13 2 987 654 = 2 millions + _____ hundreds + 760 tens + 54

(1) 980
(2) 987
(3) 9 800
(4) 9 870

14 The mass of a basket with 45 sweets is 1 120 g. The same basket containing 25 sweets is 1 000 g. What is the mass of the basket with 10 such sweets?

(1) 120 g
(2) 250 g
(3) 850 g
(4) 910 g

15 ABCD is a square of side 12 cm. E and F are midpoints of AB and AD. Find the area of the shaded part.



(1) 36 cm^2
(2) 54 cm^2
(3) 72 cm^2
(4) 90 cm^2

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2014 CONTINUAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 28 February 2014

BOOKLET B

15 Questions
20 Marks

In this booklet, you should have the following:
(a) Page 5 to Page 11
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

Parent's Signature : _____

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

16 Use all the digits once to form the largest 5-digit number.

1	8	7	3	5

Ans: _____

---

17 How many sixths are there in 36?

Ans: _____

---

18 Round off 36 215 to the nearest thousand.

Ans: _____

---

19 Find the missing number in the box.

$6 \times 10\,000 + 4 \times 1\,000 + 3 \times 100 + 2 \times 10 = \square$

Ans: _____

4

20 Round off the product of 462 and 30 to the nearest hundred.

Ans: _____

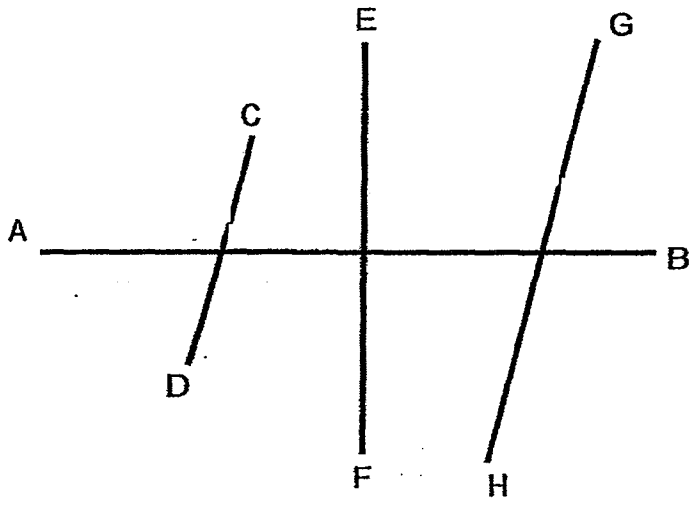
---

21 Find the value of 6 + 7 + 8 + ... + 19 + 20.

Ans: _____

---

22 Which two lines are parallel to each other?



Ans: _____ and _____

3

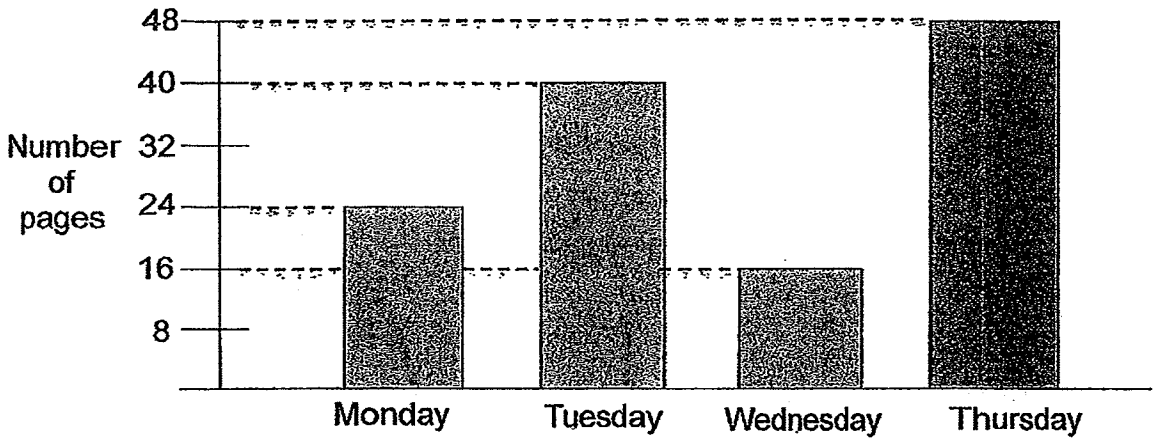
23 Find the missing number in the box.

$35 \div (\square + 4) + 6 = 11$

Ans: _____

---

24 The bar graph below shows the number of pages Susan read from Monday to Thursday.



How many pages did Susan read altogether in the 4 days?

Ans: _____

2

25 In ABC Eatery, 5 hamburgers and 3 cups of drink cost $13.60. If 2 cups of drink cost $2.40, how much was a hamburger?

Ans: $_____

1

Questions 26 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

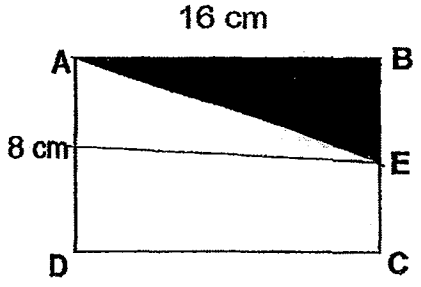
26 Arrange the following numbers in descending order.

92 432 , 91 927 , 91 972 , 92 243

Ans: _____

---

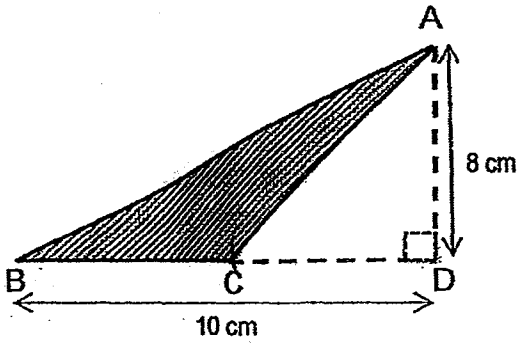
27 ABCD is a rectangle. AB = 16 cm and AD = 8 cm. Given that E is the midpoint of BC find the area of the unshaded part.



Ans: _____ cm^2

4

28 In the figure below, BC = CD. Find the area of Triangle ABC.



Ans: _____ cm^2

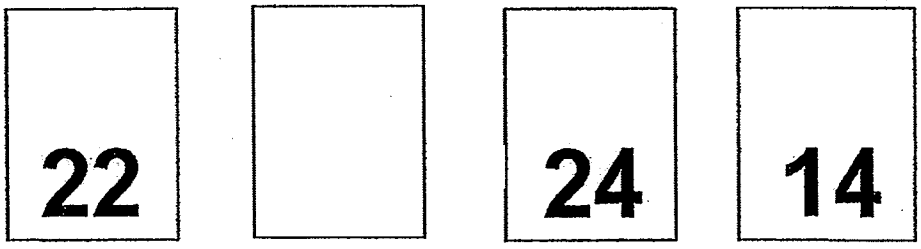
---

29 Serene earned $2 500 every month in 2012. In 2013, her monthly pay increased by $200. How much did Serene earn in the 2 years?

Ans: $_____

4

30 Ali has 4 cards which contain two-digit numbers on them.
One of the numbers on the card is unknown.



Below are the hints given about the unknown number.

- The number is 3 times the number of one of the other cards.
- The number leaves no remainder when divided by 3 and 4.

What is the unknown number?

Ans: _____

END OF PAPER

2

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2014 CONTINUAL ASSESSMENT 1

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 28 February 2014

18 Questions
60 Marks
Duration of Paper 2: 1 hour 40 minutes

Note:
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 12
   (b) Questions 1 to 18
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		60
TOTAL		100

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

1 Jug A and Jug B contain a total of 2 795 mℓ of water. If Jug A contains 775 mℓ of water less than Jug B, what is the volume of water in Jug A?

Ans: _____ mℓ

---

2 Mr Lee draws a monthly salary of $2 500. He is paid an additional amount of $1 250 for every car that he sold. He sold a total of 5 cars in the month, how much did he earn altogether?

Ans: $_____

---

3 Miss Sazzo has different types of animals in her farm.

Animal	Number
Sheep	5758
Goat	1829

Round off each number to the nearest hundred and estimate the total number of animals she has in her farm.

Ans: _____

6

4 Mr Lee wishes to purchase 225 calculators for his school.

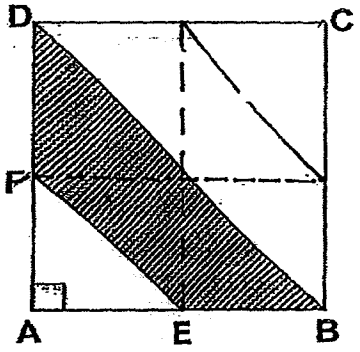
Number of Calculators	Amount
5	$90
10	$170
50	$800

What is the least possible amount he would need to spend?

Ans: $_____

---

5 ABCD is a square. Point E and F are midpoints of AB and AD respectively. The shaded area is 54 cm^2 Find the area of Square ABCD.



Ans: _____ cm^2

4

For Questions 6 to 18, show your workings clearly in the space below each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

---

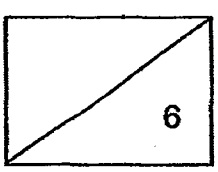
6 Miss Ang had a basket of fruits. She gave half of the fruits to her mother. She gave half of the remaining fruits to her father and divided the rest equally among 5 children. If her mother received 99 more fruits than each child, how many fruits did Miss Ang have at first?

Ans: _____ [3]

---

7 The mass of 4 identical yellow balls and 3 identical blue balls is 2 925 g. The mass of 2 identical yellow balls and 2 identical blue balls is 1 695 g. What is the mass of one such blue ball?

Ans: _____ [3]



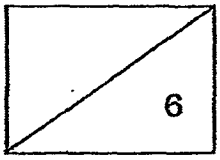
8 Timmy calculated the total amount of money he received during Chinese New Year. He realised that $\frac{3}{5}$ of the total amount was \$236.80 more than $\frac{1}{5}$ of the total amount. How much did he receive in total?

Ans: _____ [3]

---

9 Devi, Ethan and Fanny shared a total of 286 sweets. Ethan received 30 more sweets than Devi. Fanny received twice the number of sweets Ethan received. How many sweets did Ethan receive?

Ans: _____ [3]



10 Suzy has 150 stickers and Fei has 94 stickers now. Fei decided to buy 10 additional stickers everyday while Suzy decided to buy 3 additional stickers everyday for the next few days. In how many days would Fei have the same number of stickers as Suzy

Ans: _____ [3]

---

11 A sum of money was shared equally among 40 children. If the same sum of money was shared equally among 32 children instead, each child would receive $3 more. How much was the sum of money?

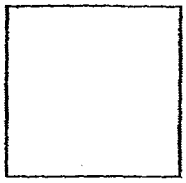
Ans: _____ [3]

---

12 Rectangle A has a perimeter of 90 cm and its length is 8 times as long as its breadth. The area of Rectangle A is twice the area of Square B. Find the length of Square B.

Rectangle A

Square B



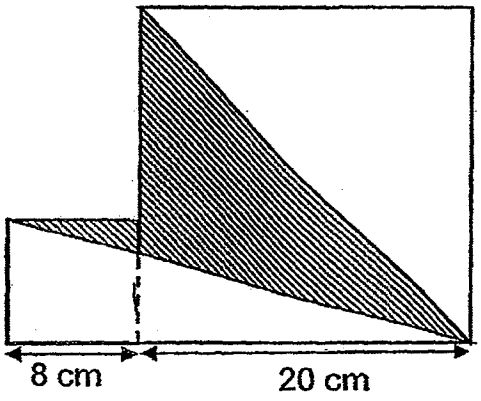
Ans: _____ [4]

13 Mr Bala had 15 pens and 59 bookmarks. At a stationery shop, he bought an equal number of pens and bookmarks such that the number of bookmarks he had was thrice the number of pens. How many pens and bookmarks did he buy in total?

Ans: _____ [4]

4

14 The figure is made up of 2 squares of side 8 cm and 20 cm.
Find the area of the shaded part.



Ans: _____ [4]

15 Miss Yang and Miss Nurul bought a total of 471 lollipops altogether.

$\frac{2}{5}$ of what Miss Yang bought was 96 more than what Miss Nurul bought.

(a) How many lollipops did Miss Yang buy?

(b) How many more lollipops did Miss Yang buy than Miss Nurul?

Ans: (a)_____ [3]

(b)_____ [2]

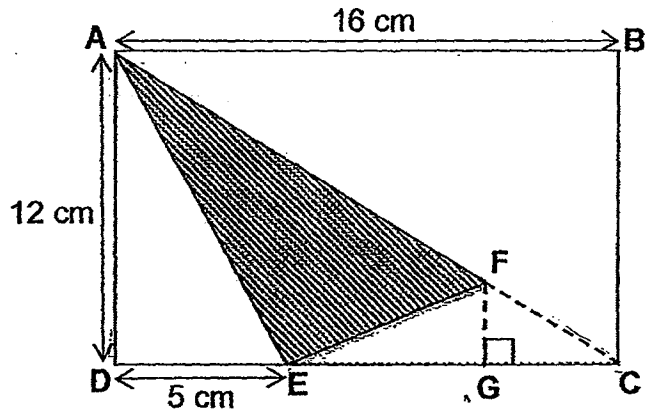
5

16 Mrs Lee gave Jen and Zac some money each on Monday. On Tuesday, Jen gave half of the amount she had to Zac. On Wednesday, Zac gave half of the amount he had to Jen. In the end, Jen had $126 and Zac had $88. How much more money did Zac have than Jen at first?

Ans: _____ [5]

5

17 The figure below is not drawn to scale. ABCD is a rectangle and AFC is a straight line. The length of FG is $\frac{1}{3}$ of the length of BC. Find the area of the shaded part.



Ans: _____ [5]

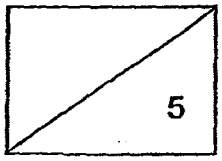
5

18 Mrs Tan counted the number of vehicles that passed through a major cross-junction in one hour. She counted a total of 76 cars, scooters and motorcycles with a total of 236 wheels. If there were 16 fewer motorcycles than cars, how many more motorcycles than scooters were there?

Vehicle	Number of wheels per vehicle
Car	4
Motorcycle	2
Scooter	2

Ans: _____ [5]

END OF PAPER



Red Swastika School
2014 Continual Assessment 1
Primary 5

1) 2
2) 4
3) 2
4) 3
5) 2
6) 4
7) 1
8) 4
9) 4
10) 2
11) 2
12) 2
13) 3
14) 4
15) 2
16) 87 531
17) 216
18) 36 000
19) 64 320
20) 13 900
21) 195
22) CD and GH
23) 3
24) 128 pages
25) $2
26) 92 432, 92 243, 91 972, 91 927
27) 96 cm^2
28) 20 cm^2
29) $62 400
30) 72

Paper 2

1) 2u --> 2795-775 = 2020 ml
   1u --> 2020/2 = 1010 ml

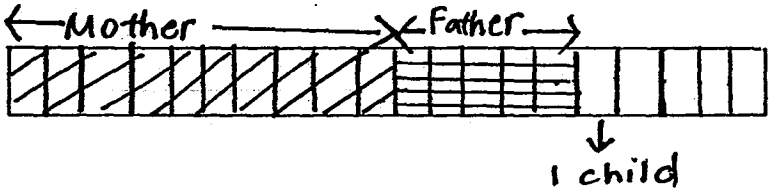
2) 1250*5 = $6250
   2500+6250 = $8750

3) 5800+1800 = 7600 animals

4) 225/50 = 4 R 25
25/10 2 R 5
800*4 = $3200
170*2 = $340
3200+340+90 = $3630

5) 54/3 = 18
18*8 = 144 cm²

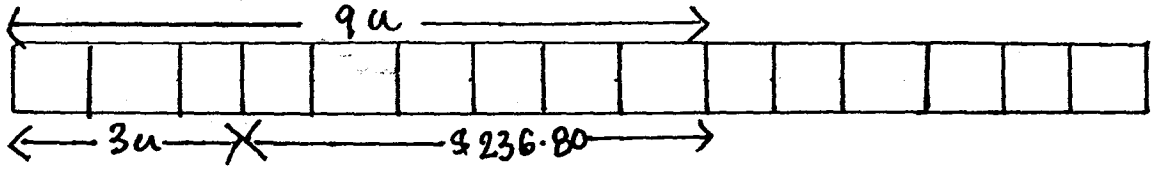
6)



10u-1u=9u
9u --> 99
1u --> 99/9 = 11
20u --> 20*11 = 220 fruits

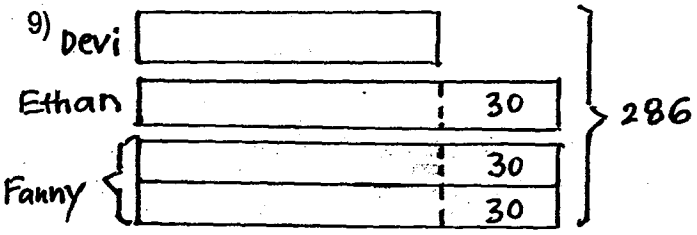
7) 2 yellow + 2 blue --> 1695 g
2 sets of 2 yellow + 2 blue,
4 yellow + 4 blue --> 3390g
4 yellow + 3 blue --> 2925g
Difference: 1 blue ball--> 3390-2925 = 465g

8)



9u-3u = 6u
6u --> $236.80
15u --> 15/6*236.80 = $592

9)



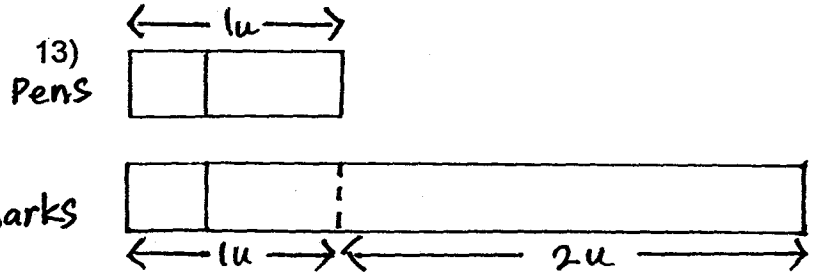
286-30-30-30 =196
196/4 = 49
49+30 = 79 sweets

10) 150-94 = 56
10-3 = 7
56/7 = 8 days

11) 32*3 = $96
96/8 = $12
40*12 = $480

12) Perimeter = 2*8+2*1 = 18u
18u --> 90 cm
1u --> 90/18 = 5 cm
8u --> 8*5 = 40 cm
Area of Rectangle A = 40*5 = 200 cm²
Area of Square B = 200/2 = 100 cm²
100 = 10 * 10
Length of Square = 10 cm

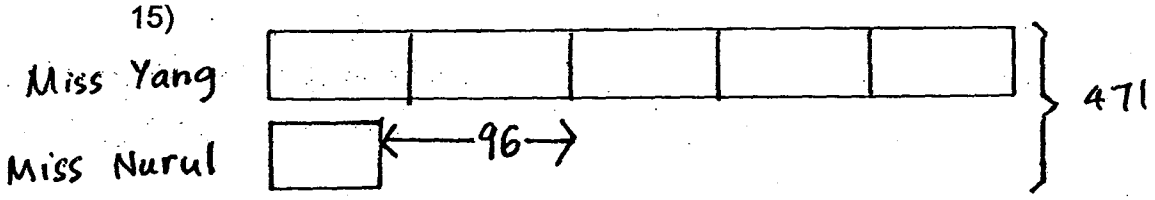
13)



2u --> 59 - 15 = 44
1u --> 44/2 = 22
22 - 15 = 7
7*2 = 14

14) 20+8 = 28 cm
1/2*28*8 = 112 cm²
20*20 = 400 cm²
400/2 = 200 cm²
8*8 = 64 cm²
400+64 = 464 cm²
464-200-112 = 152 cm²

15)



7u --> 471+96 = 567
1u --> 567/7 = 81

a) 5u –> 5*81 = 405 lollipops
b) 3*81 = 243
243+96 = 339 more lollipops

16) Total amount of money remained unchanged, 126+88 = $214
Working backwards, 88*2 = $176
214-176 = $38
38*2 = $76
214-76 = $138
138-76 = $62

17) FG =12/3 = 4 cm
Area of Triangle ACD = 1/2*12*16 = 96 cm^2
Area of Triangle EFC = 1/2*11*4 = 22 cm^2
Area of Triangle ADE = 1/2*5*12 = 30 cm^2
Area of shaded part = 96-22-30 =44 cm^2

18) Assume all vehicles are cars.
76*4 = 304
304-236 = 68 (extra wheels for cars)
68/2 = 34 (number of motorcycles & scooters)
76-34 = 42 (number of cars)
42-16 = 26 (number of motorcycles)
34-26 = 8 (number of scooters)
26-8 = 18 more motorcycles than scooters