NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 – 2014

PRIMARY FOUR

MATHEMATICS

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1 - 20.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	100	

Name : _____ ( )

Class : Pr 4 _____

Date : 27 October 2014

Duration: 1 h 45 min

Parent's Signature : _____

Section A: Multiple Choice Questions (20 × 2 marks)

Questions 1 to 20 carry 2 marks each
Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS).

1. The value of the digit '4' in 84 395 is _____.

   (1) 40
   (2) 400
   (3) 4 000
   (4) 40 000

   ( )

2. Which of the following numbers when rounded off to the nearest ten becomes 72 500?

   (1) 72 443
   (2) 72 497
   (3) 72 507
   (4) 72 553

   ( )

3. The height of a table is about _____.

   (1) 1 m
   (2) 1 cm
   (3) 10 m
   (4) 10 cm

   ( )

4. How many one-fifths are there in 2 wholes?

   (1) $2\frac{1}{2}$
   (2) $\frac{2}{5}$
   (3) 5
   (4) 10

   ( )

5. Which of the following is **not** an equivalent fraction of $\frac{1}{4}$?

(1) $\frac{2}{8}$

(2) $\frac{3}{12}$

(3) $\frac{3}{16}$

(4) $\frac{5}{20}$ ( )

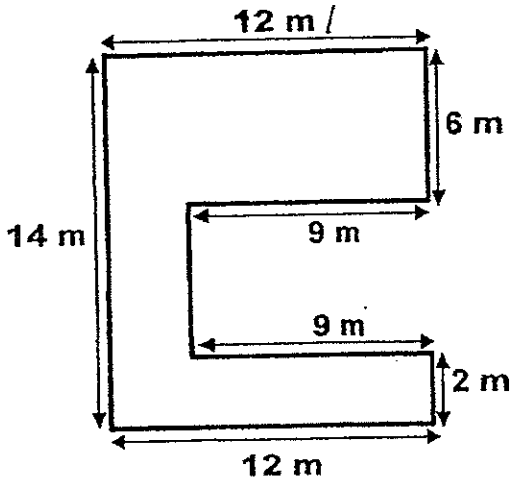
6. Arrange the following fractions from the smallest to the greatest.

$\frac{1}{4}$, $\frac{7}{12}$, $\frac{2}{3}$.

	(smallest)		(greatest)
(1)	$\frac{2}{3}$,	$\frac{7}{12}$,	$\frac{1}{4}$
(2)	$\frac{1}{4}$,	$\frac{7}{12}$,	$\frac{2}{3}$
(3)	$\frac{7}{12}$,	$\frac{2}{3}$,	$\frac{1}{4}$
(4)	$\frac{1}{4}$,	$\frac{2}{3}$,	$\frac{7}{12}$

( )

7. Look at the figure below. Find its perimeter.
All the lines meet at 90°. (The figure is not drawn to scale.)



The perimeter of the above figure is _____.

(1) 70 m
(2) 64 m
(3) 54 m
(4) 52 m

( )

8. Siti and Minah collected 1 600 stickers altogether.
Siti collected 80 stickers more than Minah.
How many stickers did Minah collect ?

(1) 760
(2) 800
(3) 840
(4) 880

( )

9. Which of the following is a multiple of both 3 and 5 ?

(1) 6
(2) 9
(3) 18
(4) 30

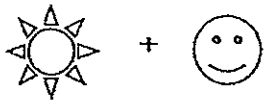
( )

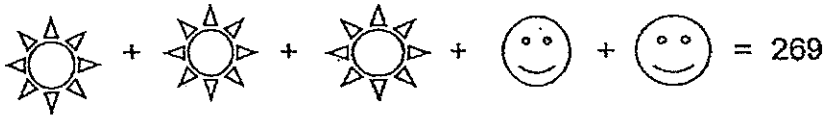
10. The cartoon started at 20 30. It was 150 minutes long.
What time did the cartoon end?

(1) 21 50
(2) 22 20
(3) 22 50
(4) 23 00 ( )

11. Sally started playing the piano at 12.40 pm and stopped at 1.55 pm.
How long did she spend playing the piano?

(1) 1 h 15 min
(2) 1 h 25 min
(3) 2 h 15 min
(4) 2 h 35 min ( )

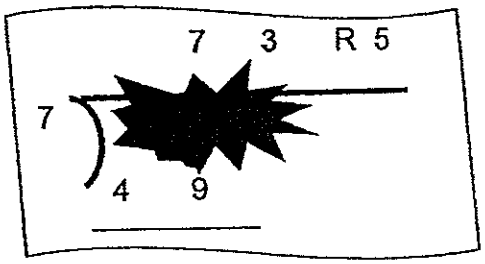
12.  = 106

 = 269

What does  stand for?

(1) 49
(2) 57
(3) 163
(4) 212 ( )

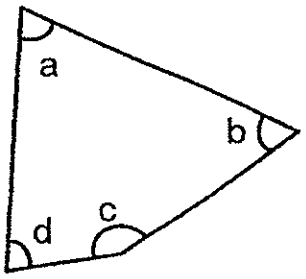
13. Mabel accidentally spilled some ink on her worksheet.
Part of the worksheet is shown below.
What was the number behind the stain?



(1) 506
(2) 511
(3) 516
(4) 546

( )

14. In the figure below, which angle is <u>greater than</u> a right angle ?



(1) ∠a
(2) ∠b
(3) ∠c
(4) ∠d

( )

15. Paul bought a teddy bear at $39.50 and 2 toy cars at $14 each. He gave the cashier **two** $50 notes, how much change did he get?

(1) $32.50
(2) $46.50
(3) $53.50
(4) $67.50 ( )

16. Figure P is made up of 3 identical squares and 1 rectangle. Find the length of CE. (The figure is not drawn to scale.)

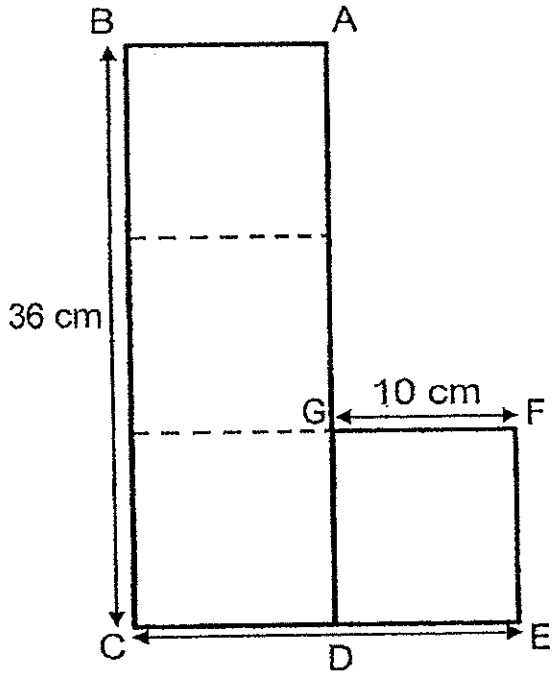


Figure P

(1) 10 cm
(2) 12 cm
(3) 22 cm
(4) 24 cm ( )

17. The area of a rectangle is 112 cm^2. Its breadth is 7 cm.
Find its perimeter.

(1) 16 cm
(2) 23 cm
(3) 46 cm
(4) 49 cm

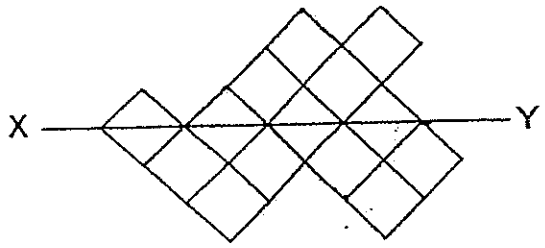
( )

18. The total length of 3 ribbons is 2 m 5 cm. The first ribbon is 65 cm long while the second ribbon is 78 cm long. How long is the third ribbon?

(1) 62 cm
(2) 72 cm
(3) 107 cm
(4) 143 cm

( )

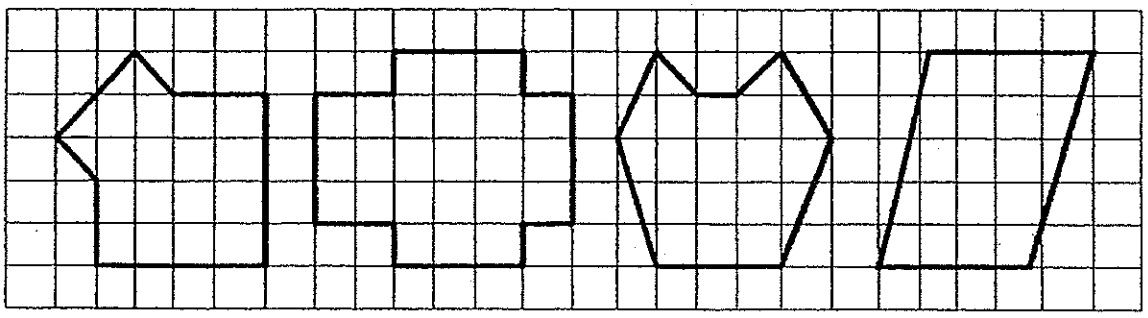
19. The figure below shows 14 squares. What is the <u>smallest</u> number of squares that must be added so that the line XY becomes a line of symmetry?



(1) 5
(2) 2
(3) 3
(4) 4

( )

20. In the diagram below, the figures are drawn on a square grid.
How many figures have a line of symmetry?



(1) 1
(2) 2
(3) 3
(4) 4

( )

27. 8.09 + 6.95 = _____

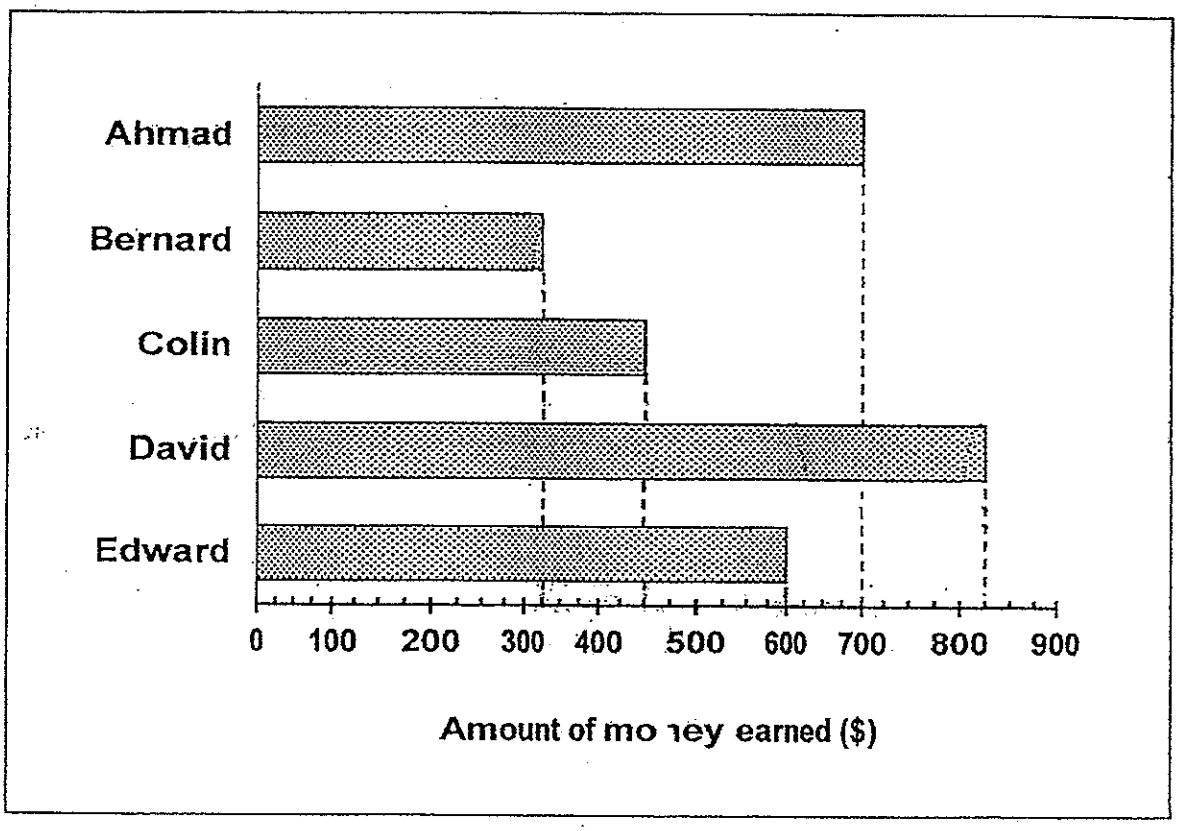
28. What is the value of $\frac{5}{6} + \frac{1}{3}$?
Express your answer as a mixed number.

29. Find the value of 7.86 X 6.

30. Halim bought 3 similar pens for $1.40. What is the cost of 12 such pens?

$

The bar graph below shows the amount of money earned by 5 men each month. Study it carefully and answer Questions 31 and 32.



31. How much more money did Ahmad earn than Bernard?

$

32. How much did the 5 men earn altogether?

$

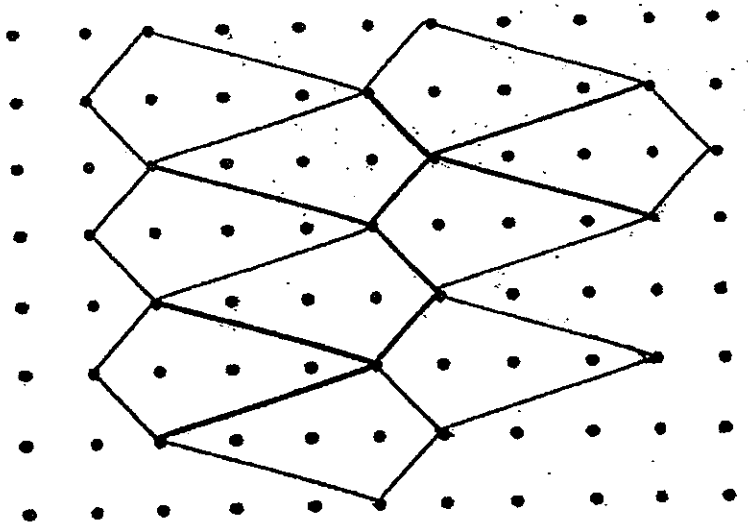
33. The area of a square is 64 cm^2. What is the perimeter of the square?

cm

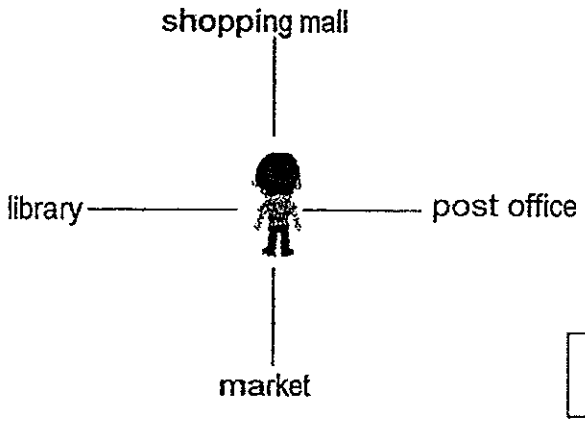
34. At a supermarket, biscuits are only sold in packets of 5 boxes. Each packet is sold at $8. Jane has $30. How many **boxes** of biscuits can she buy at the most ?

boxes

35. Complete the tessellation below with **2 more** unit shapes.



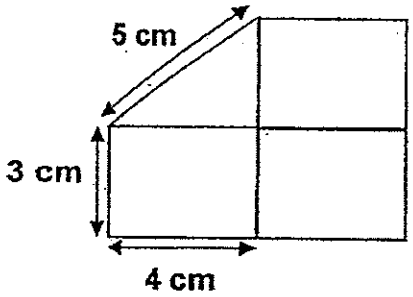
36. Salim is facing the shopping mall. After making a $\frac{3}{4}$-turn in the anti-clockwise direction, where will he be facing ?



37. Weiling read $\frac{2}{5}$ of the book on Monday and realized that she still had 132 pages more to read to finish the book. How many pages did she read on Monday?

pages

38. The figure shown below is made up of 3 identical rectangles and 1 triangle. Find the perimeter of the figure.



cm

39. Peter had 40 more stamps than Jason. After Jason gave 20 stamps to Peter, Peter had twice as many stamps as Jason
How many stamps did Peter have <u>at first</u> ?

stamps

40. In a farm, $\frac{1}{5}$ of the animals were cows. There were as many cows as chickens while the rest were goats. If there were 39 goats, how many animals were there altogether?

animals

Section C (5 × 4 marks)

For each of the following questions, show your workings and mathematical statements in the space below each question. Write your answer in the answer space provided.

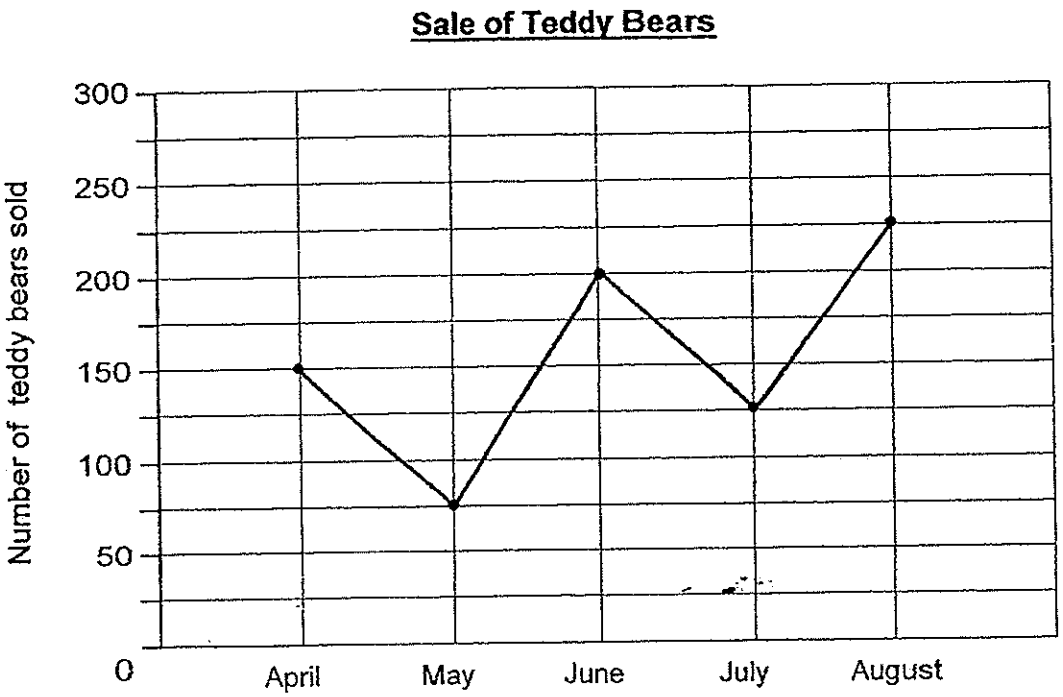
41. The distance between the first lamp post and the third lamp post was 3.06 m. The lamp posts were spaced at an equal interval apart. What was the distance from the 1st lamp post to the 6th lamp post?

Ans : _____

42. Dawn and Jack had the same number of cards. After Dawn bought another 48 cards and Jack lost 12 of his cards, Dawn had three times as many cards as Jack. How many cards did each of them have <u>at first</u> ?

Ans : _____

43. The line graph below shows the number of teddy bears sold in a shop from April to August.



a. How many **more** teddy bears were sold in April than in May?

Ans: _____

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b. Given that the price of each teddy bear is $15, what would be the total amount collected in the months from May to July?

Ans: _____

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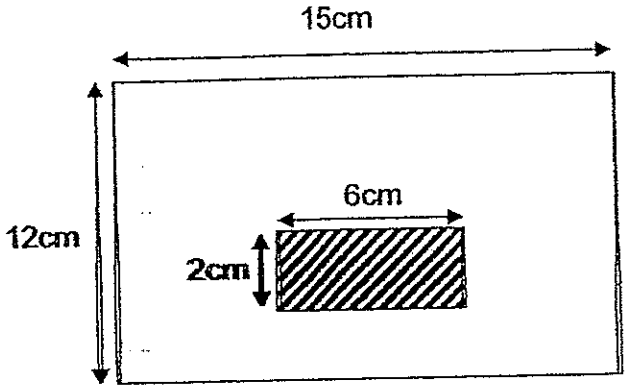
44. The figure below is made up of two rectangles.
Find the area of the <u>unshaded part</u>. (The figure is not drawn to scale.)



Ans : _____

45. Carissa paid $16.20 for 2 similar files and 3 similar pens.
One such file cost 3 times as much as a pen.
What was the <u>total cost</u> of 1 such file and 1 such pen ?

Ans : _____

NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 2014

PRIMARY 4 MATHEMATICS

1) 3

2) 2

3) 1

4) 4

5) 3

6) 2

7) 1

8) 1

9) 4

10) 4

11) 1

12) 1

13) 3

14) 3

15) 1

16) 3

17) 3

18) 1

19) 4

20) 3

21) 12 074

22) 11 800

23) 5/14

24) 0.8

25) 24

26) 90°-33°-35° = 22°

27) 15.04

28) 1⅙

29) 47.16

30) 12/3 X $1.40 = $5.60

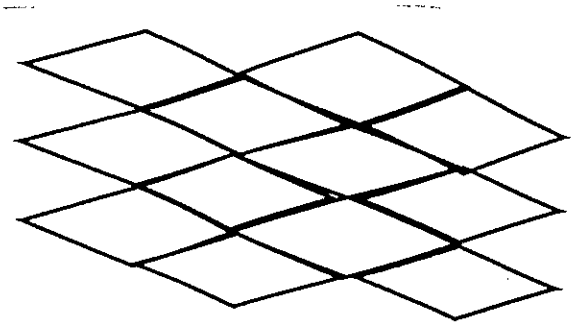
31) $700-$325 = $375

32) $700+$325+$450+$825+$600 = $2900

33) 64 = 8 X 8, 8cm X 4 = 32 cm

34) $30/8 = 3 R 6, so Jane can only buy 3 packets, thus 3X5 boxes = 15 boxes

35)



36) Post office

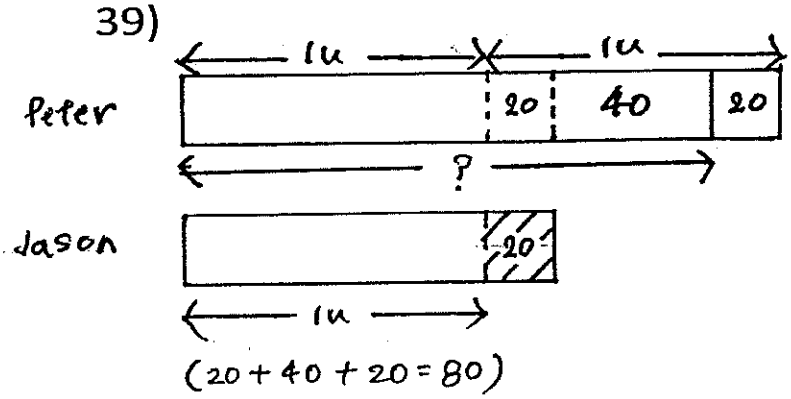
37) 5u-2u = 3u

3u --> 132

2u --> 2/3X132 = 88 pages

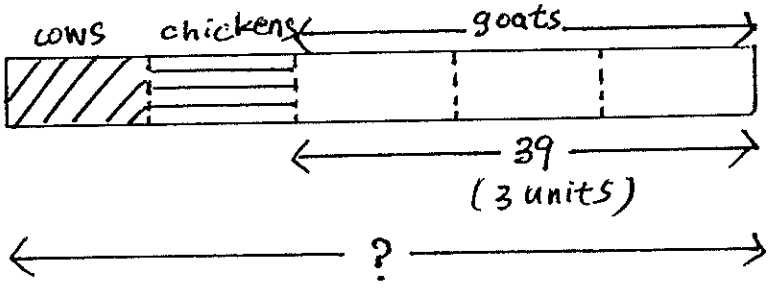
38) (3+4+4+3+3+4+5) cm = 26 cm

39)



80+20+40 = 140 stamps

40)



39/3 = 13

13X5 = 65 animals

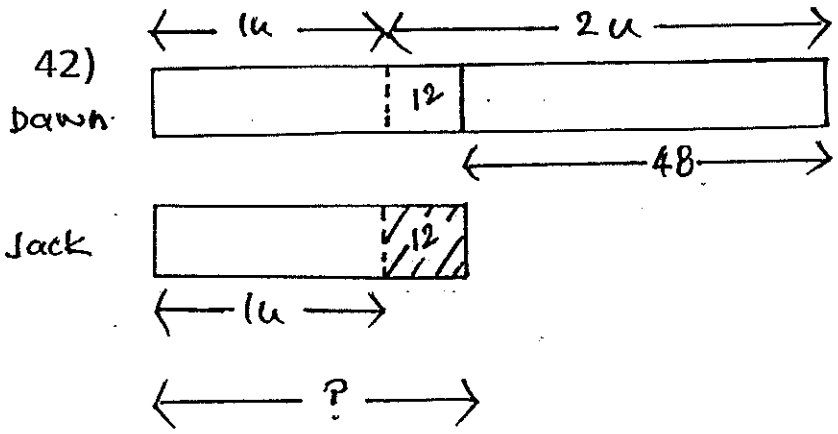
41) 3 lamp posts --> 2 equal intervals

3.06m/2 = 1.53 m

6 lamp posts --> 5 equal intervals

1.53 m X 5 = 7.65 m

42)



48+12 = 60

60/2 = 30

30+12 = 42 cards at first

43a) 150-75 = 75 more teddy bears were sold in April than in May

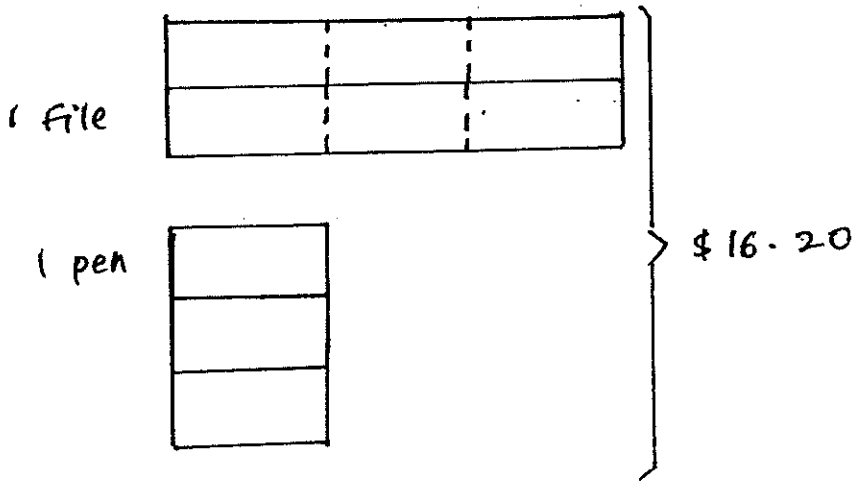
b) (75+200+125) X $15 = $6000

44) 12cm X 15cm = 180 cm^2

6cm X 2cm = 12 cm^2

(180-12) cm^2 = 168 cm^2

45)



$16.20/9 = $1.80

$1.80 X 4 = $7.20