Maha Bodhi School

2012 Semestral Assessment 2

Mathematics

Name : ( ) Date : 29 October 2012

Class : Pr 3 _____ Duration : 1 h 45 min

BOOKLET A

Section A (40 marks)

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 Mark Sheet.

1. In the number 7689, which digit has the smallest value ?

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

2. How many hundreds are there in 10 000?

(1) 10
(2) 100
(3) 1000
(4) 10 000

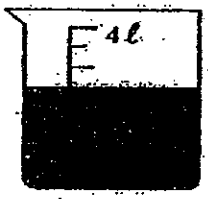
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3. Which one of the following lengths is the **shortest** ?

(1) 99 cm
(2) 1 m
(3) 109 cm
(4) 1 km 9 m

4. The volume of water in the container shown below is _____ ml.



(1) 250 ml
(2) 300 ml
(3) 2500 ml
(4) 3000 ml

5. Which of the following fractions are arranged from the greatest to the smallest?

(1) $\frac{3}{5}$, $\frac{3}{4}$, $\frac{1}{2}$
(2) $\frac{3}{8}$, $\frac{3}{4}$, $\frac{3}{6}$
(3) $\frac{3}{5}$, $\frac{3}{7}$, $\frac{3}{9}$
(4) $\frac{1}{2}$, $\frac{3}{8}$, $\frac{2}{3}$

51.

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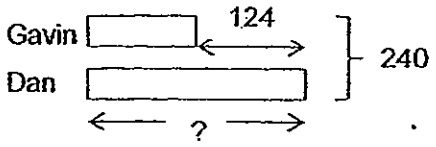
6. How many angles inside the figure are smaller than a right angle?

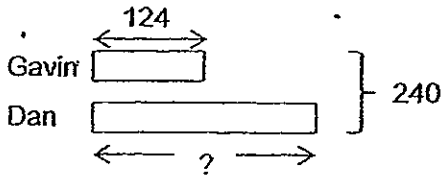


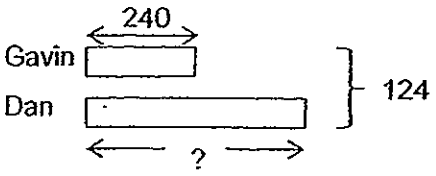
(1) 5
(2) 2
(3) 3
(4) 4

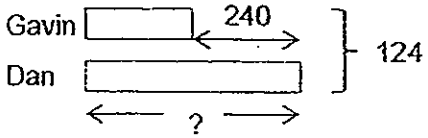
7. Dan has 124 more stamps than Gavin. They have 240 stamps altogether.
How many stamps does Dan have?

Which of the following is the correct model for the sum?

(1)


(2)


(3)


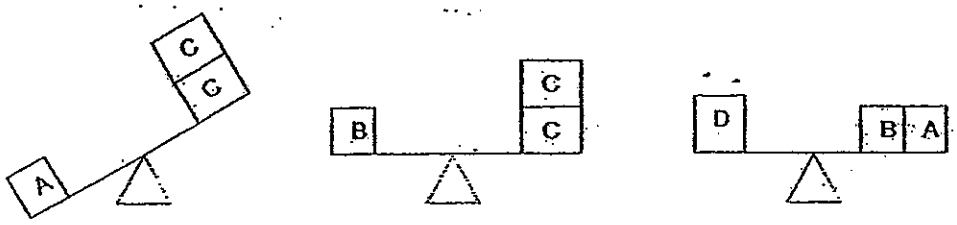
(4)


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8. A ribbon was cut into 9 equal pieces. Each piece was 178 cm long. What is the original length of the ribbon?

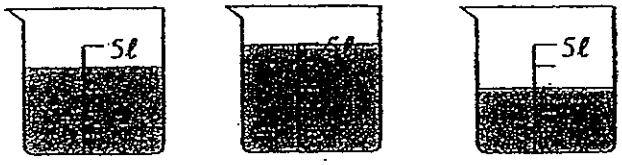
(1) 1 m 602 cm
(2) 16 m 2 cm
(3) 16 m 20 cm
(4) 160 m 2 cm

9. Arrange the objects, A, B, C and D from the heaviest to the lightest.



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

10. A fish tank can hold 20ℓ of water. If John pours water from the 3 containers into the fish tank, how much more water is needed to fill the fish tank completely?



(1) 8 ℓ
(2) 9 ℓ
(3) 12 ℓ
(4) 15 ℓ

43.

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11. What is the missing fraction in the box ?

$$\frac{11}{12} - \frac{9}{12} = \square \quad \frac{5}{12}$$

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

(2) $\frac{1}{6}$

(3) $\frac{7}{12}$

(4) $\frac{8}{12}$

12. Joseph played football at 10.35 a.m. He played for 1 h 30 min.
At what time did he finish?

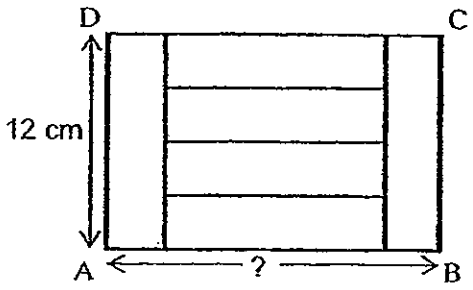
(1) 11.35 a.m.

(2) 11.35 p.m.

(3) 12.05 a.m.

(4) 12.05 p.m.

13. Rectangle ABCD is made up of 6 identical rectangles as shown below.
Find the length of AB.



(1) 15 cm

(2) 18 cm

(3) 36 cm

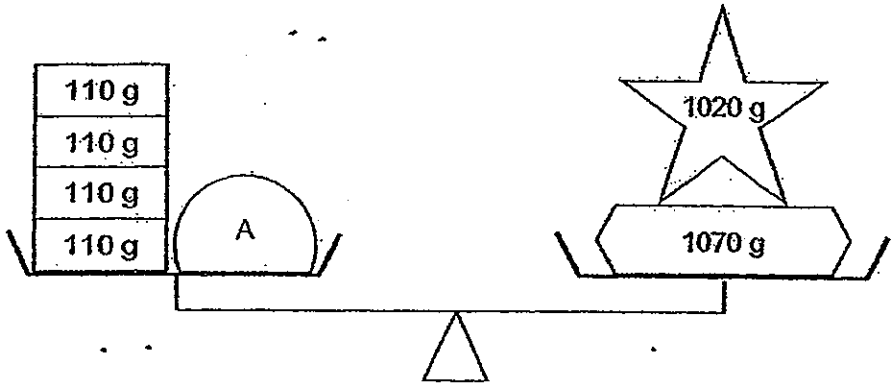
(4) 72 cm

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14. There are 7 _____ in the sum of 5842 and 1158.

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

15. The diagram below shows a scale balance.
What must be the mass of (A) for the scale to be balanced?



(1) 1460 g
(2) 1510 g
(3) 1650 g
(4) 2090 g

55.

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16. What is the missing number in the number pattern below?

915, 810, _____, 600, 495, 390

(1) 700
(2) 705
(3) 800
(4) 805

17. Susan has 354 sweets. She bought another 186 sweets and gave all her sweets to her 2 brothers. How many sweets did each of them get?

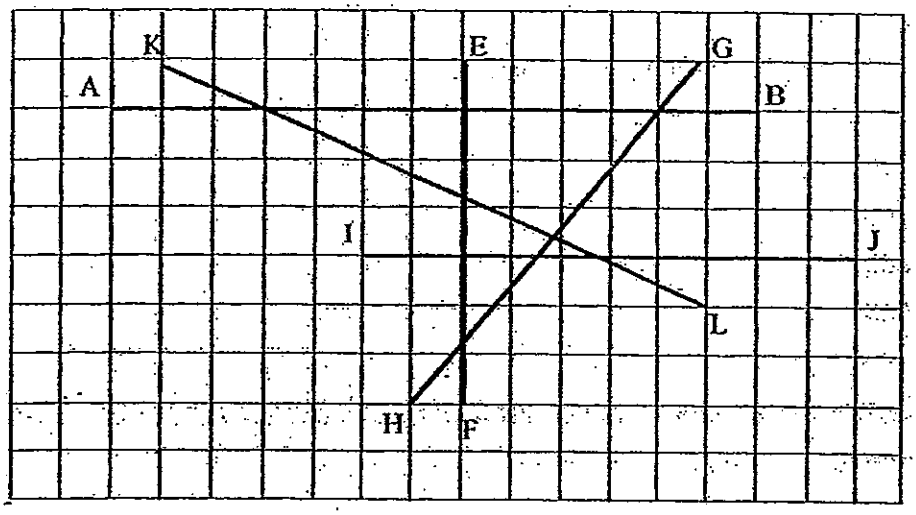
(1) 177
(2) 180
(3) 270
(4) 540

18. Caleb has 5 twenty-cent coins.
How many more fifty-cent coins does he need to make up $5?

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

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19. Which line is perpendicular to line AB?



(1) EF
(2) GH
(3) IJ
(4) KL

20. $4 \triangle 8 = 24 \bigcirc 12$

What do $\triangle$ and $\bigcirc$ represent?

	$\triangle$	$\bigcirc$
(1)	×	+
(2)	+	×
(3)	+	-
(4)	×	÷

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Maha Bodhi School

2012 Semestral Assessment 2

Mathematics

Name : _____ ( )

Class : Pr 3 _____

Duration : 1 h 45 min

Date : 29 October 2012

Parent's Signature : _____

Section A (40 marks)	
Section B (40 marks)	
Section C (20 marks)	
Total (100 marks)	

BOOKLET B

Section B (40 marks)

Questions 21 to 40 carry 2 marks each.

Write your answers in the spaces provided, giving the answers in the units stated.

Show your working clearly in the space provided below each question.

Marks will be awarded for correct method shown.

21. Write 7012 in words.

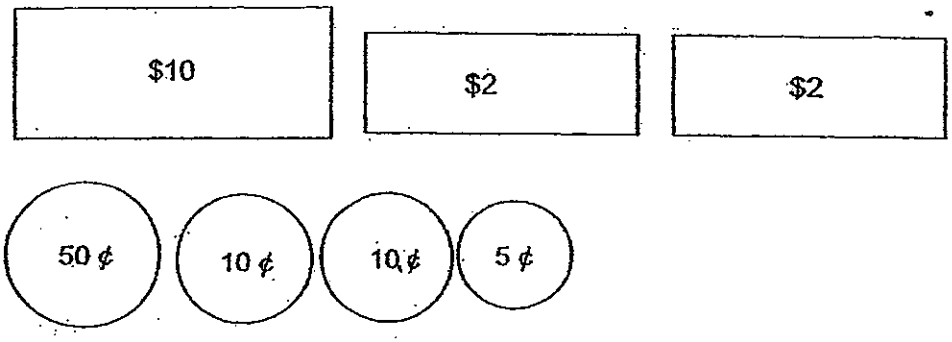
Ans: _____

22. How many tenths are there in $\frac{1}{5}$?

Ans: _____ tenths

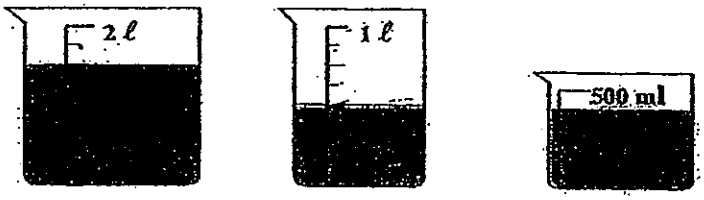
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23. What is the amount of money shown below ?



Ans: $ _____

24. Find the total volume of water in the 3 measuring cups shown below.



Ans: _____ ml

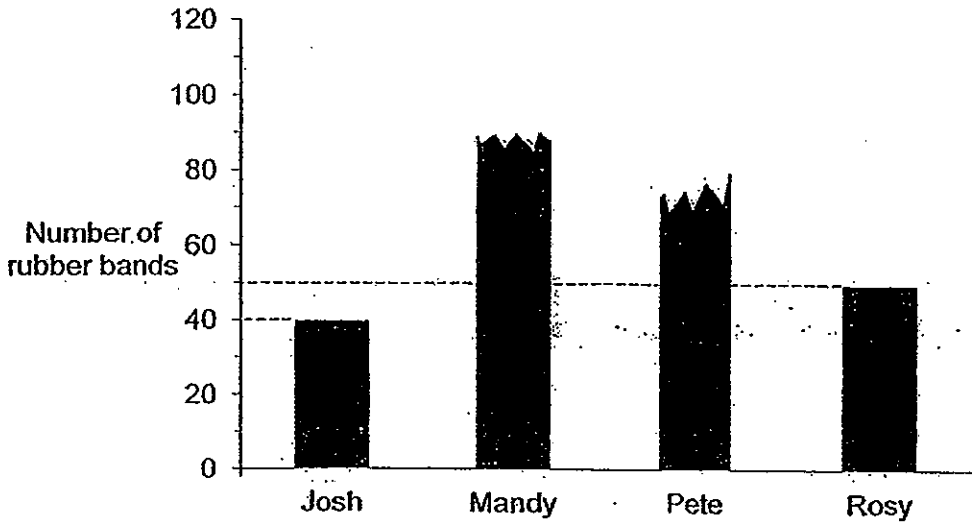
25. Joel started work at 8.00 a.m. After 2 hours, he rested for 10 minutes. Then, he went for lunch 2 hours later. At what time did he go for lunch?

Ans: _____ p.m.

19.

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The graph below shows the number of rubber bands 4 children have.
Part of the graph has been torn off.
Use the following graph to answer questions 26 and 27.



26. How many rubber bands do Rosy and Josh have?

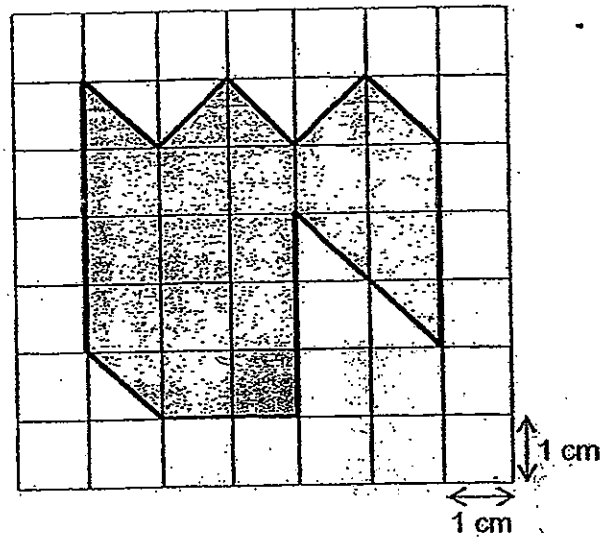
Ans: _____ rubber bands

27. The total number of rubber bands Pete and Rosy have is the same as the total number of rubber bands Josh and Mandy have. If Mandy has 90 rubber bands, how many rubber bands does Pete have?

Ans: _____ rubber bands

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28. What is the area of the shaded figure?



Ans: _____ cm^2

29. ☺ + ☺ = 90 and

♡ + ♡ + ♡ + ♡ = 160,

What is the value of ☺ + ♡ ?

Ans: _____

30. Mrs Chan bought 470 sweets. If she packed them equally into bags of 4, how many sweets were left unpacked?

Ans: _____ sweets

61.

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31. Ali has a rope that is 1 m long. He cuts it into 3 pieces. The first piece is $\frac{1}{4}$ m long. The second piece is $\frac{3}{8}$ m long. What is the length of the third piece?

Ans: _____ m

Use the following information to answer questions 32 and 33.

Specials	
Fish Balls	20 ¢
Chicken Wings	80 ¢
Packet Drinks	60 ¢
Ice Cream	45 ¢
Pancakes	30 ¢

32. Meiying bought 2 fish balls, 3 pancakes and a chicken wing.
How much did she spend in all?

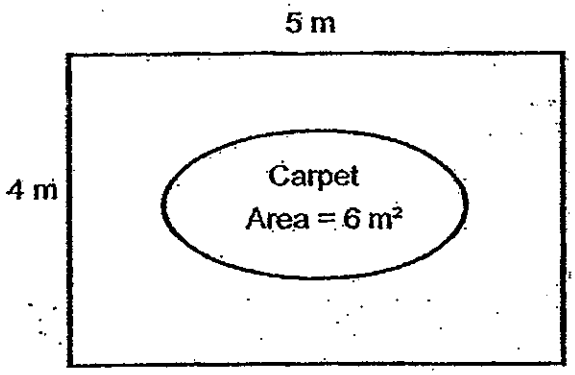
Ans: $_____

33. What is the maximum number of packet drinks Ali can buy with $4?

Ans: _____ packet drinks

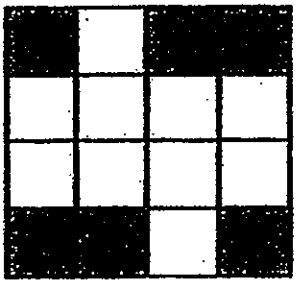
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34. A rectangular living room is 5 m long and 4 m wide. An oval carpet is placed in the middle of the living room. What is the area of the living room not covered by the carpet?



Ans: _____ m²

35. How many more unit squares must be shaded so that $\frac{1}{2}$ of the figure is shaded?



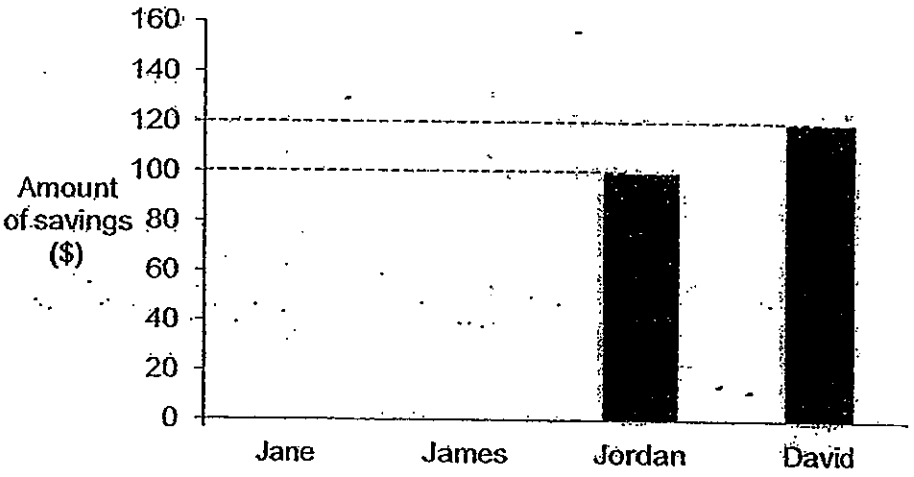
Ans: _____ unit squares

36. Anthony, Ben and Chris shared $1450. Anthony received $200 more than Ben. Chris received $350 more than Ben. How much did Ben receive?

Ans: $ _____

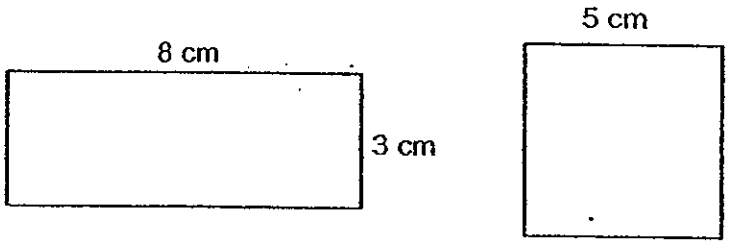
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37. The graph below shows the amount of savings 4 children saved last month. The amount of savings for Jane and James is missing.
All 4 children saved a total of $400. James saved $80 less than Jordan.
How much money did Jane save?



Ans: $ _____

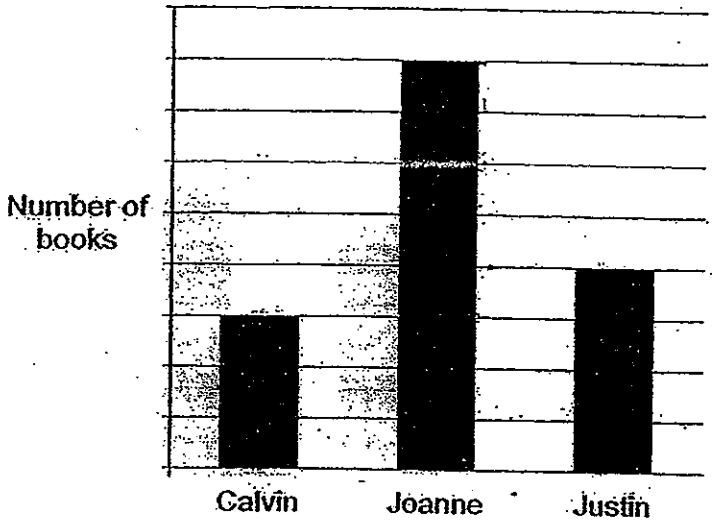
38. Find the total perimeter of the square and rectangle shown below.



Ans: _____ cm

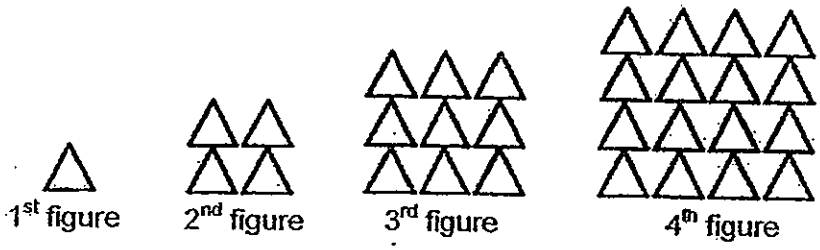
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39. The graph below shows the number of books each child had. How many books did Justin have if Joanne had 10 more books than Calvin?



Ans: _____ books

40. Study the pattern below. How many triangles will there be in the 8th figure?



Ans: _____ triangles

65.

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Section C (20 marks)

Questions 41 to 45 carry 4 marks each.

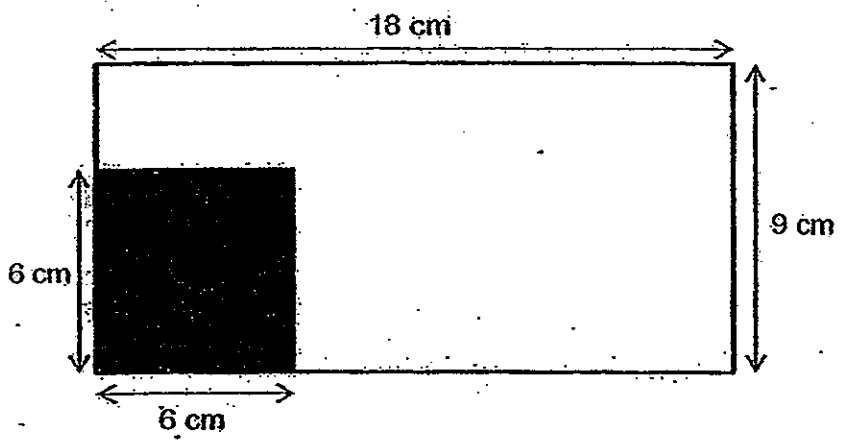
Write your number sentences and final statements clearly in the space provided below each question.

41. Geraldine wanted to buy a pair of earrings which costs $23.55. She had $15.50 and her father gave her $3.50. How much more money would she need?

42. Jeff's mass is twice as much as Tony's mass.
Andy's mass is three times as much as Tony's mass.
If their total mass is 132 kg altogether, what is Jeff's mass?

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43. Madam Teo had a rectangular piece of cloth 18 cm by 9 cm.
She cut out a 6-cm square from it to make a handkerchief for her daughter.
What was the area of cloth she had left?



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44. A pail contained some water at first. Shane poured 7 bottles of water, each containing 2 litres of water, into the pail. After that, the total amount of water in the pail is twice the amount it contained at first. How much water is in the pail now?

45. Li En has 15 more stamps than Xue Li.
Danny has twice as many stamps as Li En.
The three of them have 125 stamps altogether.
How many stamps does Xue Li have?



Remember to check your work!
Every mark counts.
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ANSWER SHEET

EXAM PAPER 2012
SCHOOL : MAHA BODHI SCHOOL
SUBJECT : PRIMARY 3 - MATHEMATICS
TERM : SA 2

SECTION A

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

Q17	Q18	Q19	Q20
3	3	1	3

SECTION B

21. Seven thousand and twelve
22. 2
23. $14.75
24. 2400ml
25. 12.10 p.m.
26. 90
27. 80
28. 18
29. 85
30. 2
31. $\frac{3}{8}$ m
32. $2.10
33. 6
34. 14 m^2
35. 2
36. $300
37. $160
38. 42 cm
39. 8
40. 64

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SECTION C

41. $15.50 + $3.50 = $19.00
$23.55 - $19.00 = $4.55
Geraldine will need $4.55 more.

42. 132 ÷ 6 = 22
22 x 2 = 44
Jeff is 44 kg.

43. 18cm x 9cm = 162 cm^2
6cm x 6cm = 36 cm^2
$162cm^2 - 36cm^2 = 126cm^2$
She had 126 cm^2 of cloth left.

44. 7 x 2 = 14
14 x 2 = 28
The amount of water in the pail now is 28 litres.

45. 15 x 3 = 45
125 – 45 = 80
80 ÷ 4 = 20
Xue Li has 20 stamps.

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