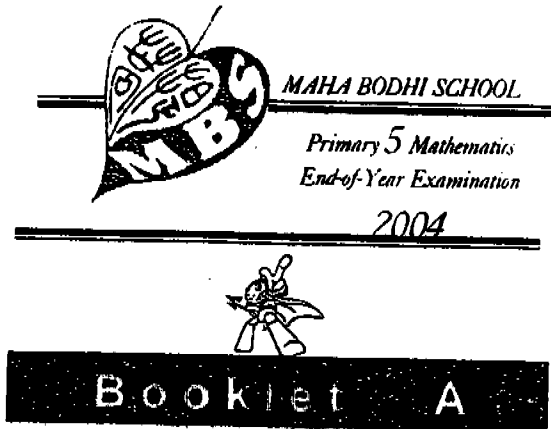


SAZ



35 Questions

45 marks

Total Time for Booklets A & B : 2 hours 15 minutes

- ◆ DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- ◆ FOLLOW ALL INSTRUCTIONS CAREFULLY.
- ◆ ANSWER ALL THE QUESTIONS.
- ◆ YOU WILL FIND PAGES 1 TO 11 IN THIS BOOKLET.
- ◆ FOR QUESTIONS IN SECTION A, SHADE YOUR ANSWERS ON THE OAS PROVIDED. FOR QUESTIONS IN SECTION B, WRITE YOUR ANSWERS ON THE ANSWER SHEET.

---

Name: \_\_\_\_\_ ( ) Date: 2<sup>ND</sup> November 2004

Class: Primary 5 ( )

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20

**Section A- Multiple-Choice Questions ( 25 marks )**

Questions 1 - 5 carry 1 mark each.

Questions 6 - 15 carry 2 marks each.

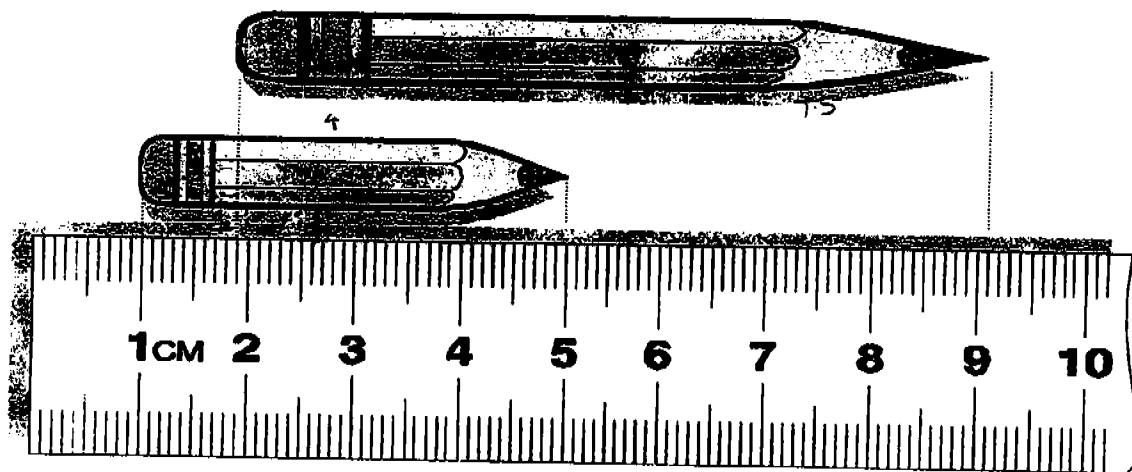


For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4) and shade the number in the corresponding oval on the OAS.

1. Which one of the following numbers is nearest to 200?

- (1) 199.9
- (2) 199.01
- (3) 200.9
- (4) 200.01

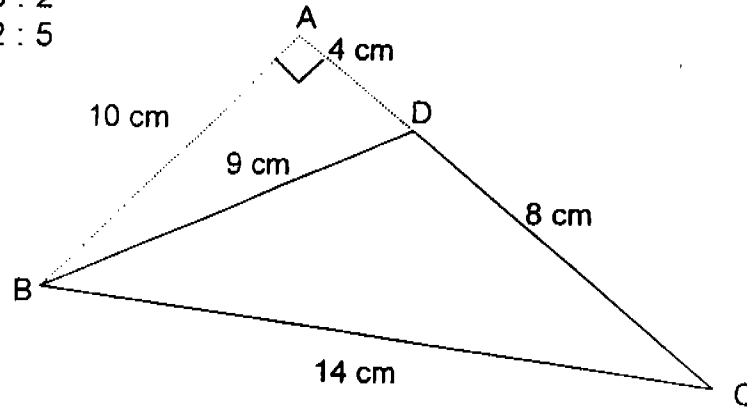


2. The total length of the two pencils is about \_\_\_\_ cm.

- (1) 11 cm
- (2) 12 cm
- (3) 13 cm
- (4) 14 cm

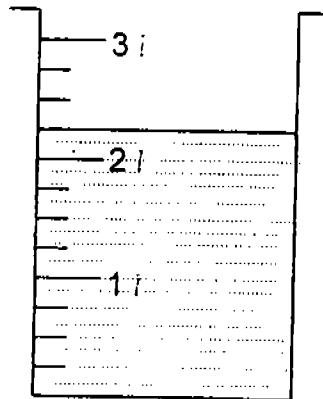
3. 40% of the pupils in a class are boys.  
What is the ratio of the number of girls to the total number of pupils in the class?

- (1) 3 : 5  
(2) 2 : 3  
(3) 3 : 2  
(4) 2 : 5



4. In the diagram above, not drawn to scale, AB, BC, CA and BD are straight lines. Given that  $AB \perp AC$ ,  $AB = 10$  cm,  $BC = 14$  cm,  $CD = 8$  cm,  $DB = 9$  cm and  $AD = 4$  cm, find the area of triangle BDC.

- (1)  $70 \text{ cm}^2$   
(2)  $60 \text{ cm}^2$   
(3)  $40 \text{ cm}^2$   
(4)  $20 \text{ cm}^2$



5. How much water is there in the beaker above?

- (1) 2 500 ml  
(2) 2 025 ml  
(3) 2 125 ml  
(4) 2 1250 ml

6. Mother bought 5m of cloth. She used  $\frac{1}{4}$  of it.  
How many metres of cloth did she have left?

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

(2)  $1\frac{1}{4}$

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

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

7. 5 girls were given 4 sweets each and 3 boys had to share 12.  
How many sweets did each child get on the average?

(1) 7

(2) 2

(3) 8

(4) 4

The telephone charges to a particular country are given as follow.  
Study it carefully before answering Question 8.

First 3 minutes or part thereof:	\$ 0.70
Next 5 minutes thereafter:	\$ 0.30 per minute
Every minute thereafter:	\$ 0.50

8. How much does it cost to talk on the phone for 11 minutes at this rate?

(1) \$ 2.70

(2) \$ 3.70

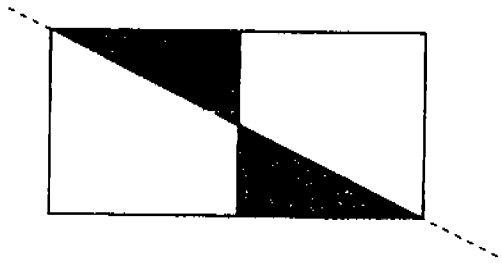
(3) \$ 5.10

(4) \$ 5.50

9. In each of the following rectangles, a dotted line is drawn. Which one of these lines is a line of symmetry?



(1)



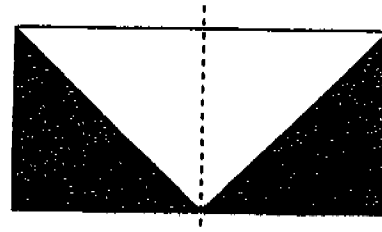
(2)



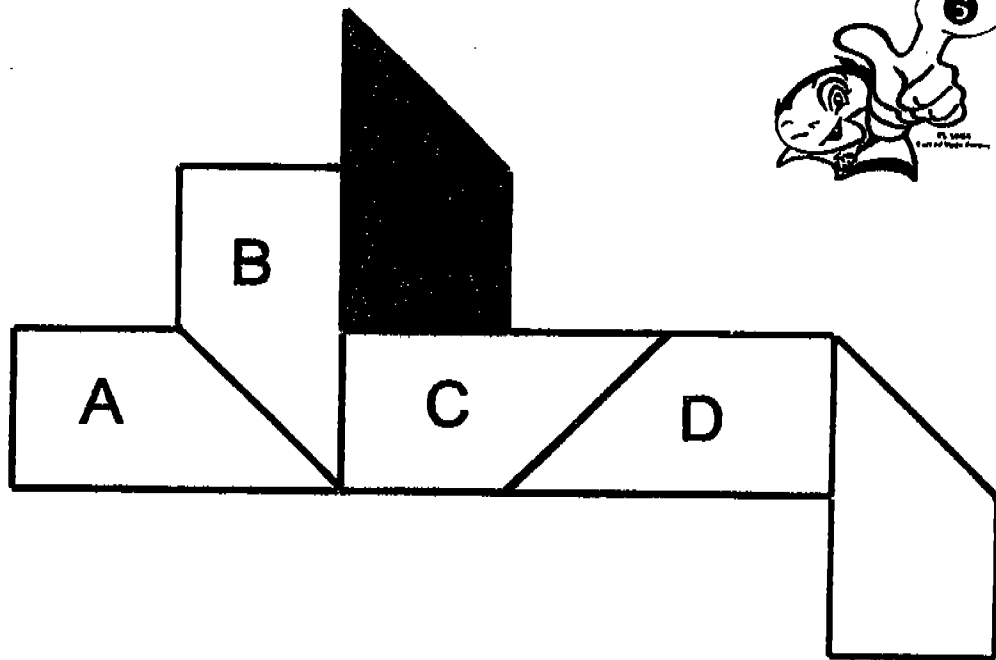
(3)



(4)



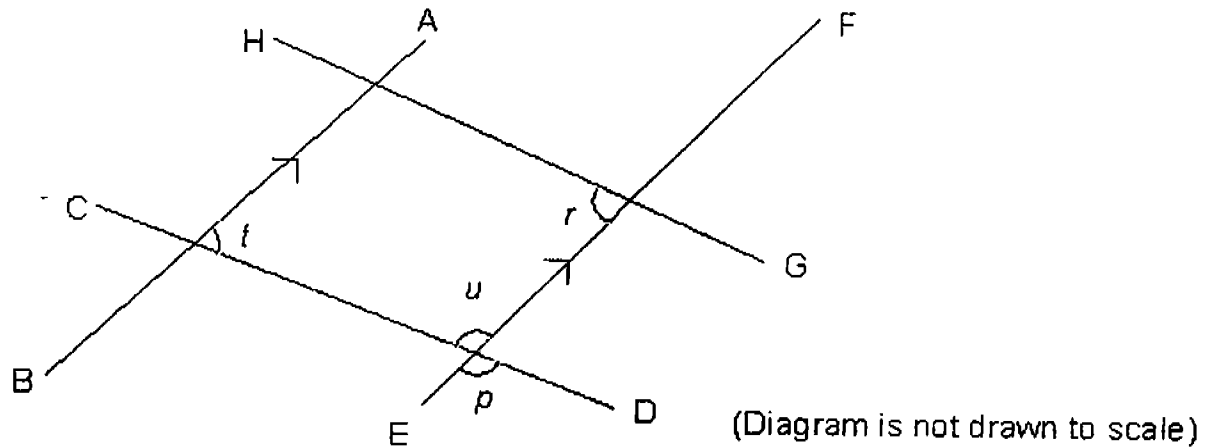
24



10. The picture above shows a tessellation of the shaded unit shape. Which one of the marked shapes has been tessellated wrongly?
- (1) A  
(2) B  
(3) C  
(4) D
11. Ali and Bala are to share some sweets. For every 3 sweets that Ali gets, Bala will get 2 more. What percentage of the sweets will Bala get?
- (1) 37.5 %  
(2) 40 %  
(3) 60 %  
(4) 62.5 %
12. 36 pupils were told to form a square. How many children were there on each side of the square?
- (1) 6  
(2) 8  
(3) 9  
(4) 10



In the diagram below, AB, CD, EF and GH are straight lines and AB is parallel to EF. Study it carefully before answering Question 13.



13. Which one of the following statements is definitely correct?

- (1)  $\angle r + \angle t = 180^\circ$
- (2)  $\angle r + \angle u = 180^\circ$
- (3)  $\angle t + \angle p = 180^\circ$
- (4)  $\angle u + \angle p = 180^\circ$

14. What is the percentage discount for the evening gown shown on the right?

- (1) 80 %
- (2) 50 %
- (3) 25%
- (4) 20%

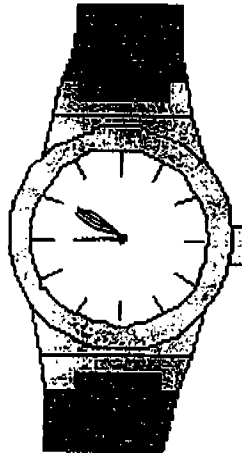


**Evening Gown**  
 Now: \$ 200  
 Was: \$ 250

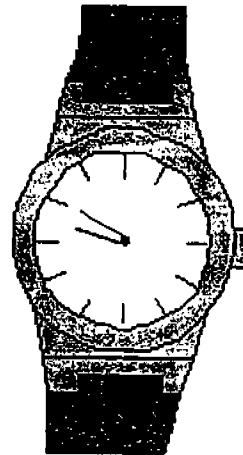


15. The time is now 15 minutes to 10 a.m. Which one of the following watches shows correctly the position of the hour hand?

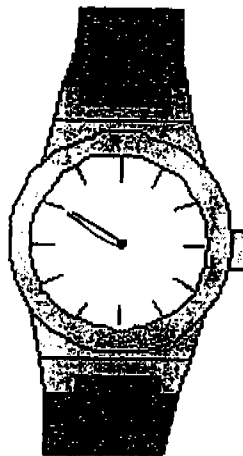
(1)



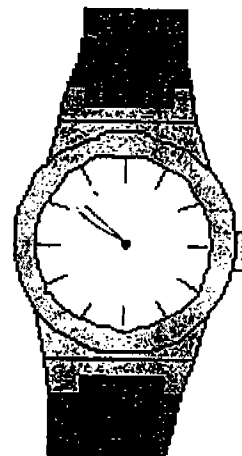
(2)



(3)



(4)





**Section B. ( 20 marks )**

Each question from 16 - 35 carries 1 mark.  
Write your answers on the Answer Sheet.



16. In 234.567, which digit is in the tenths place?

17. Round off 2 222 ¢ to the nearest dollar.

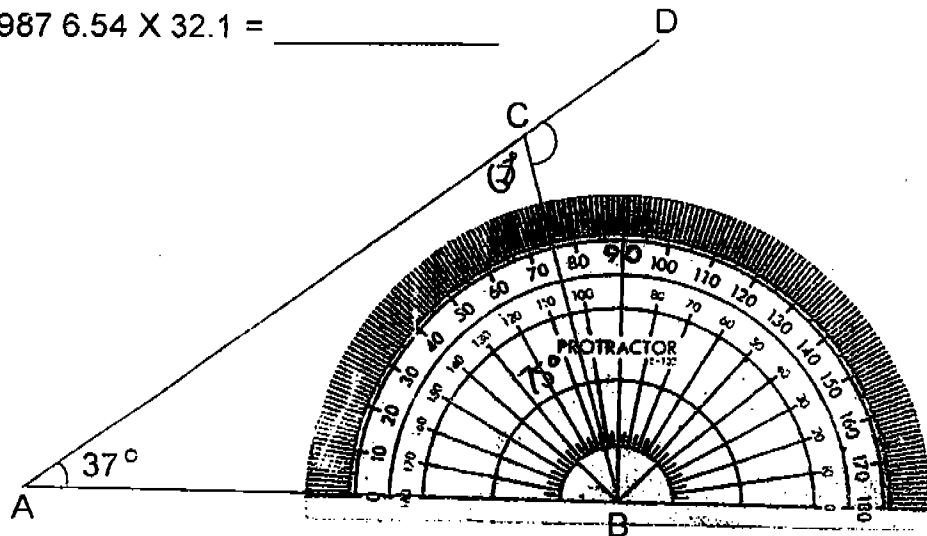
Study the following mathematical statement and answer Questions 18 & 19:

$$987\ 654 \times 321 = 317\ 036\ 934$$

18.  $987\ 654 \times 321 = 987\ 554 \times 321 + \boxed{\phantom{00000}} \times 321$

What is the missing number in the box?

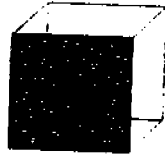
19.  $987\ 6.54 \times 32.1 = \underline{\hspace{2cm}}$



20. In the diagram above, AB, BC and DA are straight lines.  
Using *only* the information given in the diagram above,  
find  $\angle DCB$  if  $\angle CAB = 37^\circ$



21. The shaded face of the cube shown below has an area of  $16 \text{ cm}^2$ .  
What is the volume of the cube?



22. Reduce  $\frac{5}{10}$  to its simplest form.

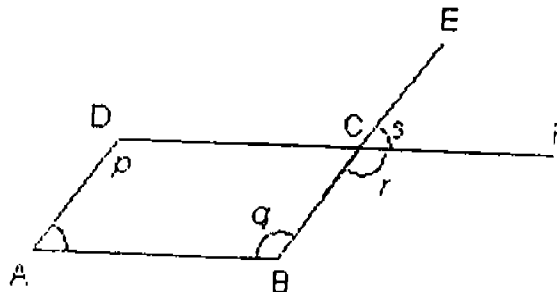
23.  $3\frac{1}{4} - 1\frac{1}{2} =$

24. Hashim paid \$9.90 for a toy after getting a 10% discount.  
What was the original price of the toy?

25. John's results are shown on the right.  
Find the average marks he scored for each subject.

English:	84 / 100
Chinese:	92 / 100
Maths :	7100
Science:	78 / 100
<hr/>	
Total :	320 / 400

26. In the diagram below, ABCD is a parallelogram. BE and DF are straight lines. Which one of the marked angles is equal to  $\angle DAB$ ?



27. A tree will take half a year to grow 3 cm. At this rate, how many months will it take to grow by 2 cm?



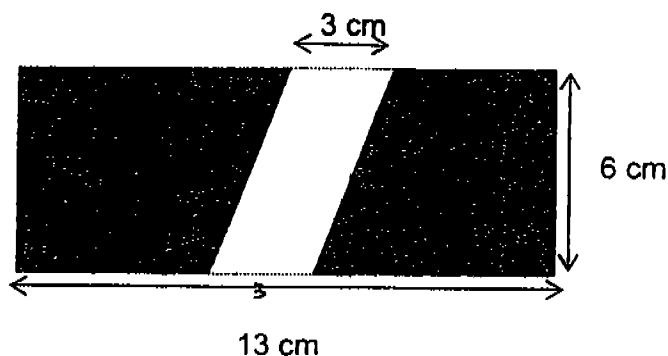
28.  $10 - 8 \div 2 + 2 = \underline{\hspace{2cm}}$

29. It is now November.  
Which month of the year will it be in a  $\frac{1}{4}$  year's time?

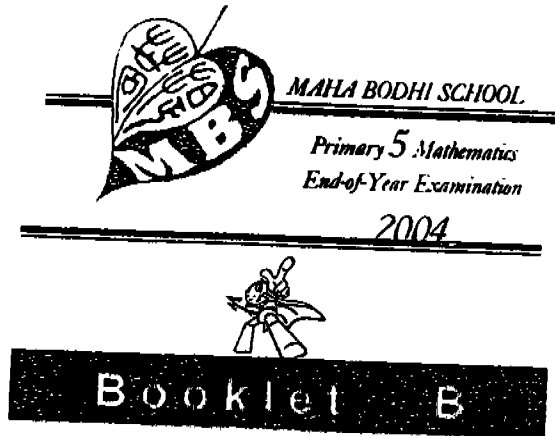
30. Sally can type 120 words in 5 minutes. How long does she take to type 300 words at this rate?

31. Express  $\frac{1}{5}\%$  as a decimal.

32. There are twice as many 50¢ coins as 20¢ coins in a box. They add up to be more than \$5 but less than \$8. How much money could there possibly be in the box?



33. A parallelogram was cut from a rectangle 13 cm by 6 cm as shown in the diagram above. What is the remaining area of the rectangle?



15 Questions

55 marks

Total Time for Booklets A & B : 2 hours 15 minutes

- ◆ DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- ◆ FOLLOW ALL INSTRUCTIONS CAREFULLY.
- ◆ ANSWER ALL THE QUESTIONS.
- ◆ SHOW ALL YOUR WORKING STEPS CLEARLY IN THE SPACE PROVIDED. OMISSION OF KEY WORKING STEPS OR UNITS OF MEASUREMENT WILL RESULT IN A LOSS OF MARKS.
- ◆ YOU WILL FIND PAGES 12 TO 23 IN THIS BOOKLET WITH THE ANSWER SHEET ON THE BACK COVER.

FREE DELIVERY PLEASE CALL : JEREMY H/P : 9851 8226

Name: \_\_\_\_\_ ( ) Date: 2<sup>ND</sup> November 2004

Class: Primary 5 ( )

**Section C** ( 55 marks )

For questions 36 to 50, write your answers in the spaces provided.  
For each question, **show your working clearly** in the space below each question.

The number of marks for each question or part-question are shown in the brackets ( ).



36. Mrs Cheong spent thrice as much money as Mrs Wong.  
If Mrs Cheong spent \$12.30, how much did the two women spend in all?

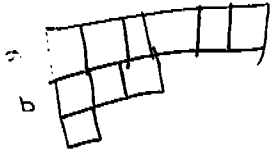
Answer: \_\_\_\_\_ (2m)



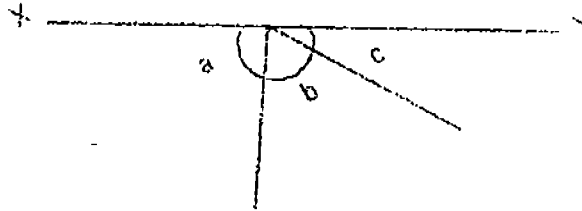
37. Sammy saves 50¢ more than Sharon daily.  
When Sharon has saved \$6, Sammy has saved \$8.50.  
How much does Sharon save daily?

Answer: \_\_\_\_\_ (2m)





38. In the diagram below, not drawn to scale,  $XY$  is a straight line. Given that  $\angle a$  is twice as large as  $\angle b$  and that  $\angle b$  is thrice as large as  $\angle c$ , find  $\angle a$ .



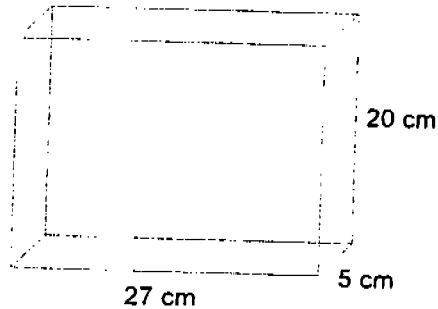
Answer: \_\_\_\_\_ (2m)

39. 3 apples and 2 pears cost \$2.70.  
2 apples and 3 pears cost \$2.80.  
What is the total cost of an apple and a pear?

Answer: \_\_\_\_\_ (2m)



40. (a) What is the volume of the box shown below?  
(b) What is the maximum number of cubes of sides 3 cm that can be fitted into the box?



Answer: (a) \_\_\_\_\_ (1m)

(b) \_\_\_\_\_ (2m)



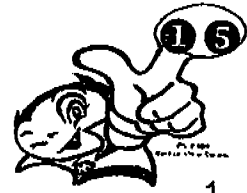
Misskoh School, P.O. Kuala Lumpur, Malaysia 2009

41. Ahmad and Banu have 30 stickers in total.  
Banu and Calvin have 45 stickers altogether.  
If Ahmad has 4 stickers more than Banu, how many stickers has Calvin?

Answer: \_\_\_\_\_ (3m)



Misskoh School, P.O. Kuala Lumpur, Malaysia 2009



42. After Albert had spent  $\frac{3}{5}$  of his money and Beatrice had spent  $\frac{1}{4}$  of hers, they had the same amount of money left. If they had an average of \$23 at first, how much did Albert spend?

Answer: \_\_\_\_\_ (4m)







43. There were 40 children at a party. Each girl was given 5 balloons while each boy was given 60% as many. If the girls took 24 balloons more than the boys in total, how many boys were at the party?

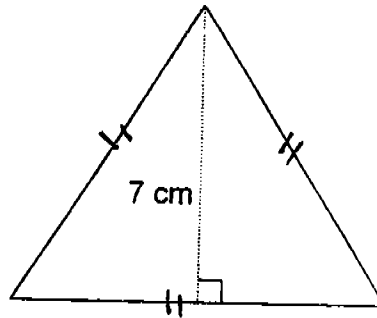
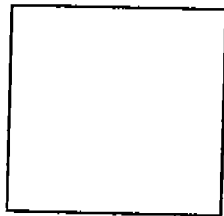
Answer: \_\_\_\_\_ (4m)



M. S. S. S. School, P. O. Road, New Zamboanga 2004



44. The square in the diagram below has the same perimeter as the equilateral triangle. If the area of the square is  $36 \text{ cm}^2$ , find the area of the triangle.





Answer: \_\_\_\_\_ (in)





An identical ring is being sold in two shops at different prices.  
Study the information presented below before answering Question 45.

<u>Shop A</u>	<u>Shop B</u>
	
Usual Price: \$ 60 Discount: 20%	Usual Price: \$ 55 Discount: 10%

45. (a) How much less will the ring cost in Shop A after the discount?  
(b) Find the difference between the discounted prices of the ring in the two shops?

Answer: (a) \_\_\_\_\_ (1m)

(b) \_\_\_\_\_ (3m)





46. A teacher has a bag of sweets. If she gives each pupil in her class 5 sweets each, she will have 20 sweets left. If she gives them 8 sweets each, she will need to buy another 88 sweets. How many sweets does the teacher have?

Answer: \_\_\_\_\_ (5m)





Study the picture below and answer the question that follows:

Can I have half a kilogram of cherries and 3 kilograms of grapes, please?

 <b>CHERRIES</b> \$0.95 per 100 g	 <b>GRAPES</b> per 100 g
--	---



Sure... and that will be \$13, madam. Thank you.

47. How much would a kilogram of each type of fruit cost in total?

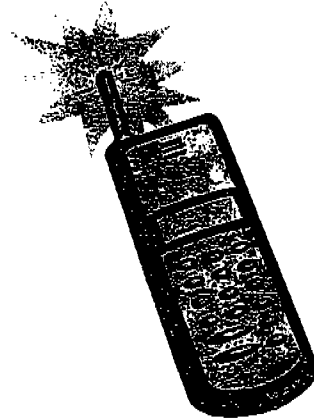
Answer: \_\_\_\_\_ (5m)



Make Maths School - 22 End of Year Examinations 2007



48. It costs 10¢ to send a short message (SMS) and twice as much to send a multi-media message (MMS). In a particular month, a subscriber paid \$56 for sending  $\frac{2}{3}$  as many MMS as SMS. How many SMS did the subscriber send that month?

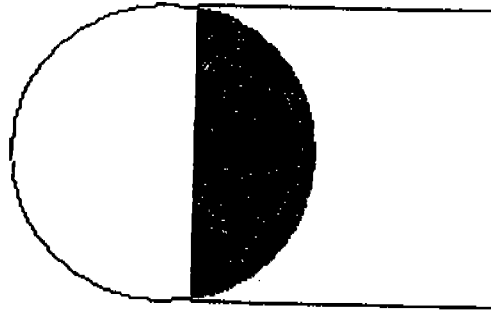


Answer: \_\_\_\_\_ (5m)





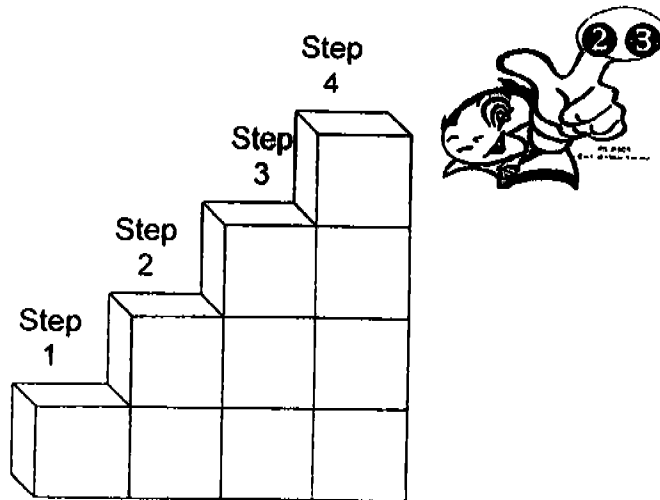
The figure below consists of a circle that has been pasted on top of a square. The pasted part is shaded. Study it carefully and answer Question 49.



49. In the circle, the ratio of the area of the unshaded part to that of the shaded part is  $5 : 3$ . In the square,  $\frac{2}{7}$  of it is shaded. Find:
- (a) the ratio of the area of the circle to that of the square and
  - (b) the ratio of the area of the shaded part to that of the unshaded part of the figure.

Answer: (a) \_\_\_\_\_ (2m)

(b) \_\_\_\_\_ (3m)



50. Some 3-cm cubes are stacked up to form steps as shown in the diagram above.
- What is the volume of the figure shown above?
  - How many more such cubes will be needed if the figure is to reach Step 25?

Answer: (a) \_\_\_\_\_ (2m)

(b) \_\_\_\_\_ (3m)



End Paper

Please check your work





MAHA BODHI SCHOOL  
END OF THE YEAR EXAMINATION - 2004  
PRIMARY 5 MATHEMATICS

SAR

- 1) 4  
2) 1  
3) 1  
4) 3  
5) 4  
6) 3  
7) 4  
8) 2  
9) 4  
10) 1  
11) 4  
12) 4  
13) 3  
14) 4  
15) 2  
16) 5  
17) \$ 22  
18) 100  
19) 317036.934  
20) 112  
21) 64  
22)  $1/2$   
23)  $1 \frac{3}{4}$   
24) \$ 11.00  
25) 80  
26)  $\angle S$   
27) 4 months  
28) 8  
29) February  
30) 12.5 minutes  
31) 0.002  
32) \$ 6.00  
33)  $60 \text{ cm}^2$   
34) 40 km  
35) 60 km  
36) \$ 16.40  
37) \$ 1.20  
38)  $108^\circ$   
39) \$ 1.10  
40) a)  $2700 \text{ cm}^3$   
b) 54 cubes  
41) 32 stickers  
42) \$ 18  
43) 22 boys  
44)  $28 \text{ cm}^2$   
45) a) \$ 12    b) \$ 1.50  
46) 200 sweets  
47) \$ 12.25  
48) 240 SMS  
49) a) 16 : 21    b) 6 : 25  
50) a)  $270 \text{ cm}^3$   
b) 315 cubes