METHODIST GIRLS' SCHOOL (Primary)
2009 End-of-Year Examination
Primary 3

MATHEMATICS

Name: _____ ( )

Class: P 3._____

Date: 8 October 2009

Total time for Sections A, B and C: 1 h 40 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Marks Obtained:

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

This booklet consists of 17 printed pages.

Section A (20 x 2 marks)

For each one of the following questions, four options are given. Choose the most suitable option and shade your answer in the Optical Answer Sheet (OAS) provided.

1. $3\,574 = 3\,000 + 5 \times \square + 70 + 4$
What is the missing number in the box?

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

2. The difference between two numbers is 28.
The smaller number is 33. What is the other number?

(1) 5
(2) 28
(3) 33
(4) 61

3 Which one of the following numbers gives a remainder of 2 when divided by 6?

(1) 128
(2) 240
(3) 306
(4) 412

Go to page 2

4. Nancy saved $180. Emily saved 3 times as much as Nancy. How much money did they save altogether?

(1) $720
(2) $620
(3) $540
(4) $440

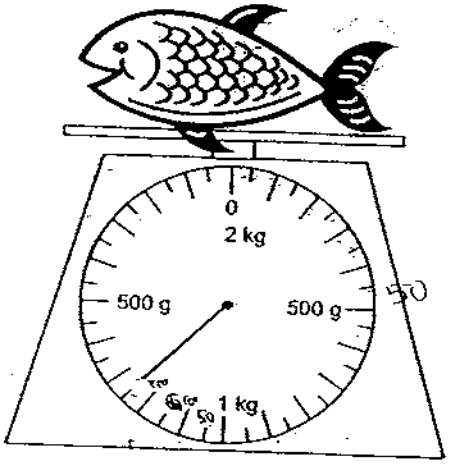
5. Mr Lee took a taxi to his office. The taxi fare was $11.80. He paid the taxi driver $20. How much change did he get?

(1) $7.20
(2) $8.20
(3) $9.20
(4) $10.20

6. The height of a giraffe is about _____.

(1) 7 cm
(2) 7 m
(3) 90 cm
(4) 90 m

7. What is the mass of the fish?



(1) 250 g
(2) 750 g
(3) 1 kg 250 g
(4) 1 kg 300 g

Go to page 3

8. The mass of a papaya is 640 g. It is 4 times as heavy as an orange. What is the total mass of the papaya and the orange?

(1) 160 g
(2) 800 g
(3) 2 560 g
(4) 3 200 g

9. Mei Mei used 4 bottles of orange syrup and 6 times as much water to make some orange drink for her party. Each bottle contained 2 *l* of orange syrup. How much drink did she have?

(1) 24 *l*
(2) 32 *l*
(3) 48 *l*
(4) 56 *l*

10. The capacity of a jug is 5 times the capacity of a cup. If 3 such cups can hold 600 *ml* of water, what is the capacity of the jug?

(1) 200 *ml*
(2) 600 *ml*
(3) 1 000 *ml*
(4) 1 800 *ml*

11. David took 1h 10 min while Ben took 58 min to finish a race. How much faster was Ben?

(1) 10 min
(2) 12 min
(3) 52 min
(4) 58 min

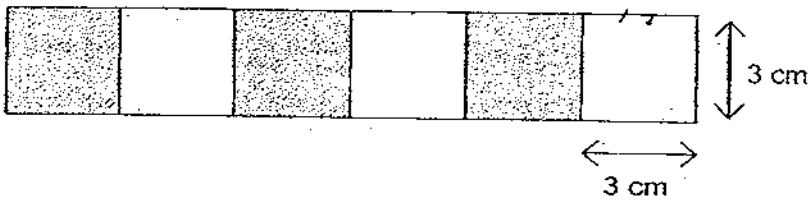
Go to page 4

12. My watch is 10 minutes fast. It shows 9.05 now. What is the actual time?

(1) 8.55
(2) 9.00
(3) 9.15
(4) 10.05

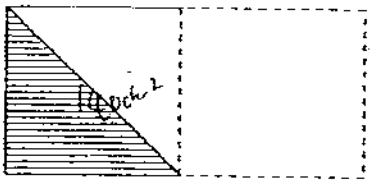
13. Ken painted some squares on a rectangular card as shown below. What is the area of the rectangular card?

(1) 9 cm²
(2) 18 cm²
(3) 54 cm²
(4) 162 cm²



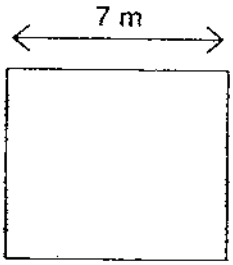
14. The area of a piece of paper is 140 cm ². Mathew folds it equally into two, and then shades a triangle on it, as shown in the diagram. What is the area of the shaded triangle?

(1) 35 cm²
(2) 40 cm²
(3) 58 cm²
(4) 70 cm²



15. Mr Lim wants to put a fence around his square garden. Each side of the garden is 7 m. What is the length of fencing he needs?

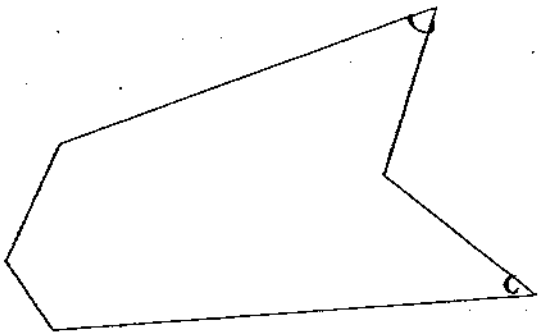
(1) 7 m
(2) 14 m
(3) 21 m
(4) 28 m



Go to page 5

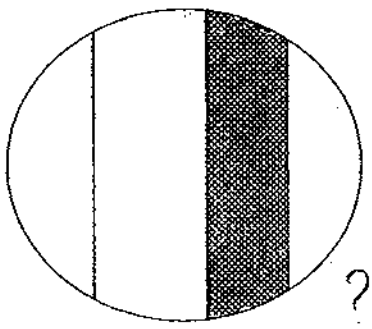
16. How many angles in the figure below are smaller than a right angle?

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

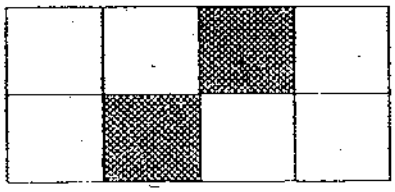


17. Which diagram shows that $\frac{1}{4}$ of it is shaded?

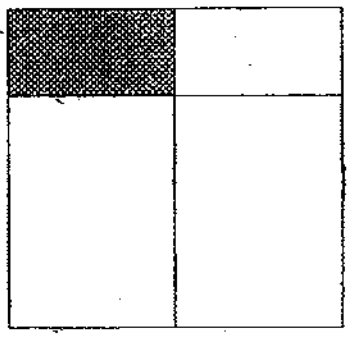
(1)



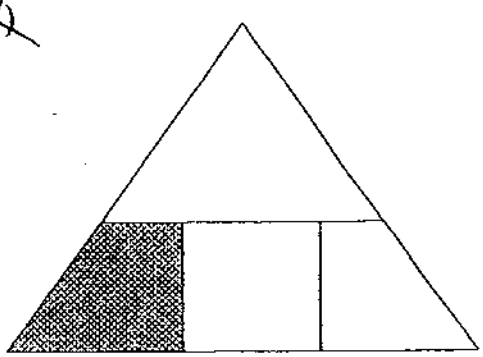
(3)



(2)

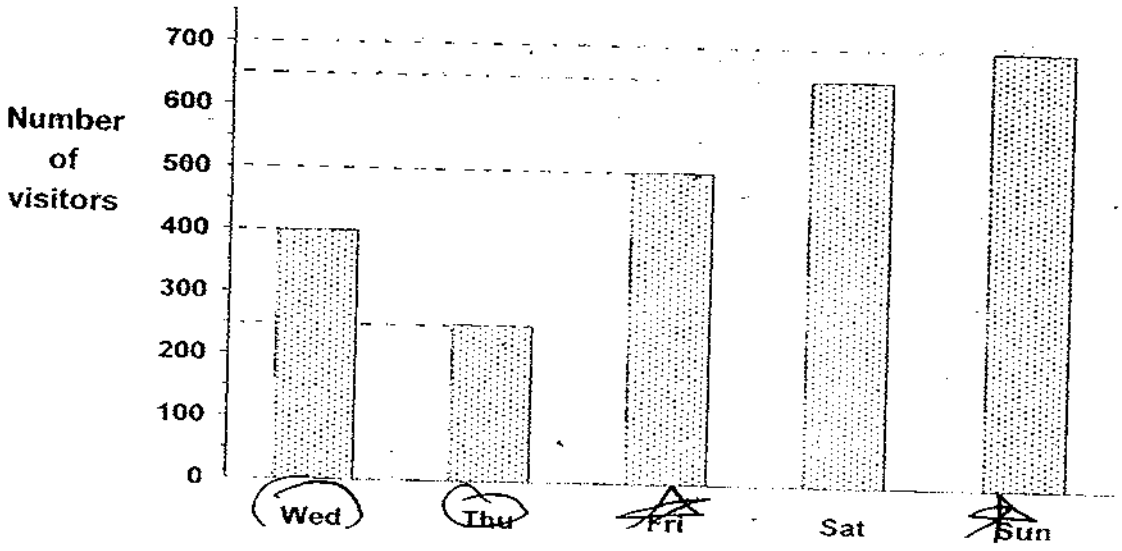


(4)



Go to page 6

The bar graph below shows the number of people visiting an exhibition over 5 days. Study it and answer questions 18 & 19.



18. How many more visitors went to the exhibition on Wednesday than on Thursday?

(1) 150
(2) 200
(3) 250
(4) 400

19. How many people visited the exhibition from Friday to Sunday?

(1) 1 150
(2) 1 200
(3) 1 800
(4) 1 850

Go to page 7

20. Which one of the following fractions is greater than $\frac{3}{5}$?

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

(2) $\frac{5}{12}$

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

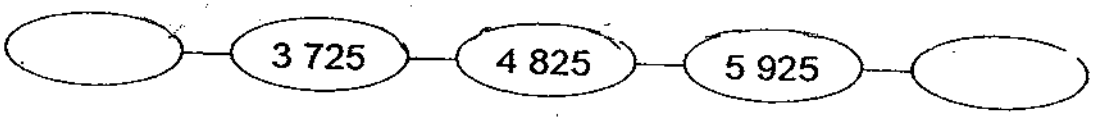
(4) $\frac{7}{10}$

Go to page 8

Section B (20 x 2marks)

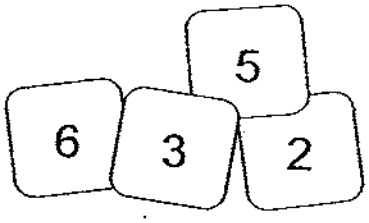
For each of the following questions, write your answers in the boxes provided. Give your answers in the units stated. Show your working.

21.



22. $9 + 9 + 9 + 9 + 9 = \boxed{3} \times 9 + 18$

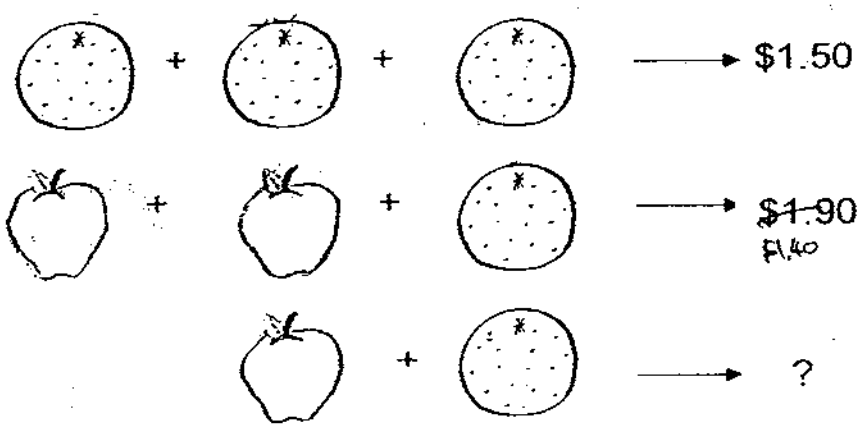
23. Arrange the number cards to form the smallest 4 – digit odd number.



24. Tom rears fishes. He has 7 times as many guppies as swordtails. If he has 49 swordtails, how many guppies has he?

Go to page 9

25.

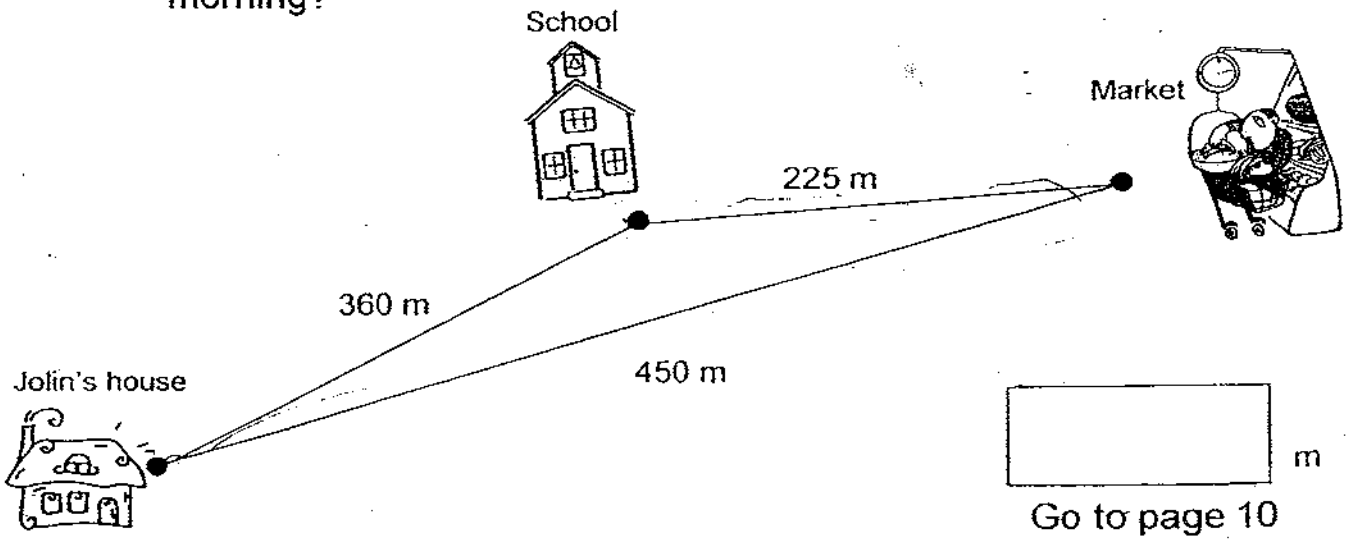


$ _____

26. Peter has 4 fifty-cent coins and 10 twenty-cent coins. How much money does he have in all?

$ _____

27. Jolin goes to the market with her mother every morning before going to school. She walks from her house to the market before walking to school. How far does she walk every morning?

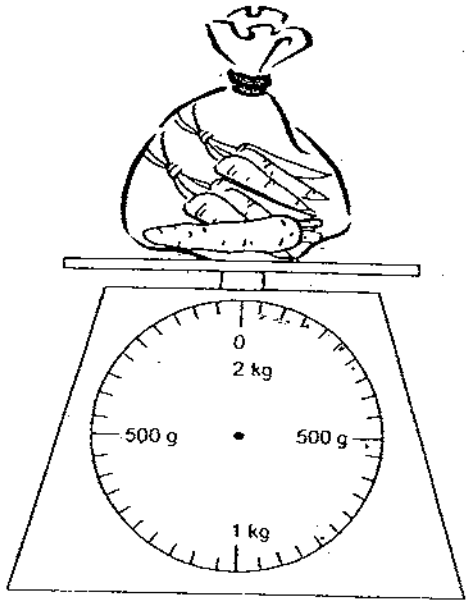


_____ m

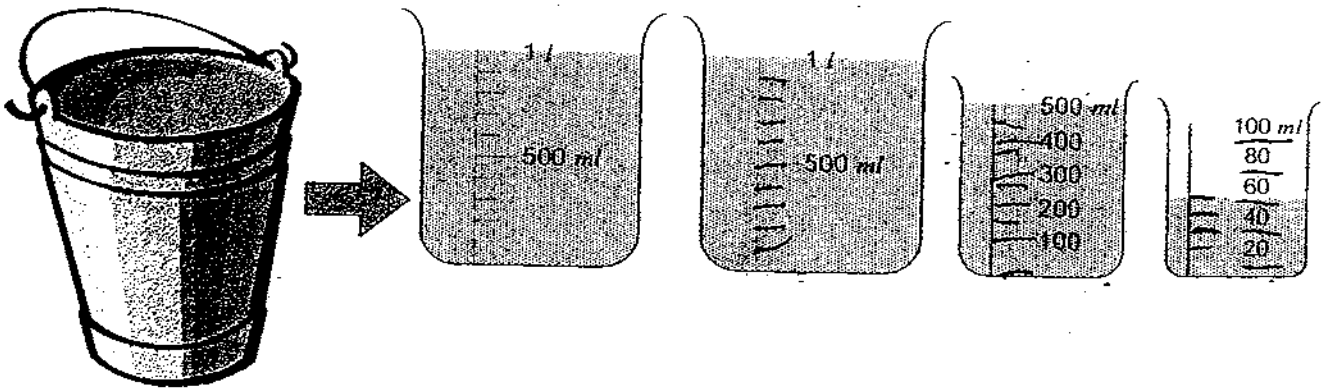
Go to page 10

28. The carrots have a mass of 800 g.

Draw the pointer to show the reading on the scale.



29. What is the capacity of the pail?



l	*ml*

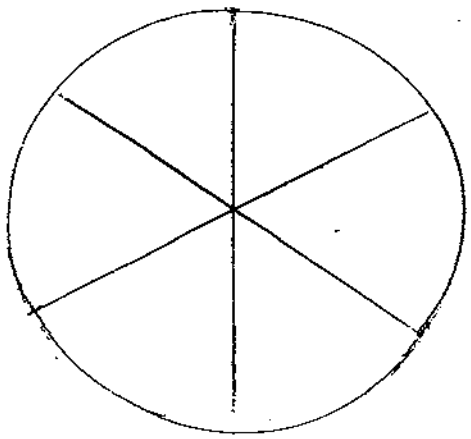
Go to page 11

30. Arrange the fractions in order, beginning with the smallest.

$\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{12}$, $\frac{1}{5}$

---

31. The pizza shown below was cut into 6 equal pieces. Jack ate $\frac{1}{3}$ of the pizza. Shade to show the fraction of the pizza that was **not eaten**.



32. Fill in the missing numbers.

$\frac{2}{3} = \frac{\square}{9} = \frac{8}{\square}$

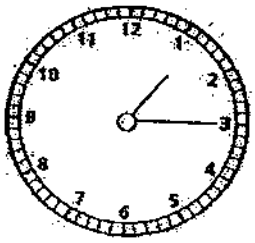
33. Mrs Lim bought $\frac{1}{2}$ kg of flour. She used $\frac{1}{6}$ kg to bake a cake. How much flour had she left?

☐ kg

Go to page 12

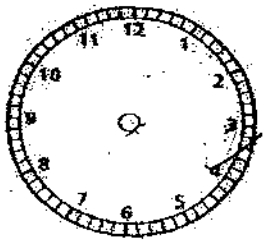
34. A supermarket opens for business at 8.30 a.m. daily. All the workers are to report for work 45 minutes before opening time. What time must the workers report for work?

35. Draw in the hands and write down the time.

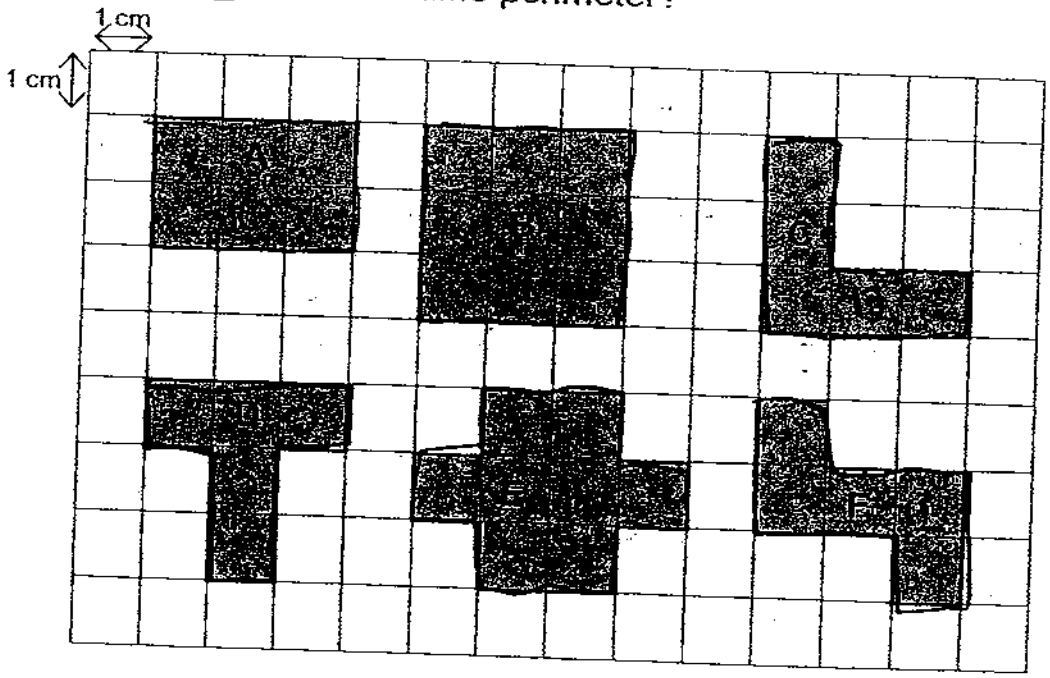


1.15

2 h 20 min later



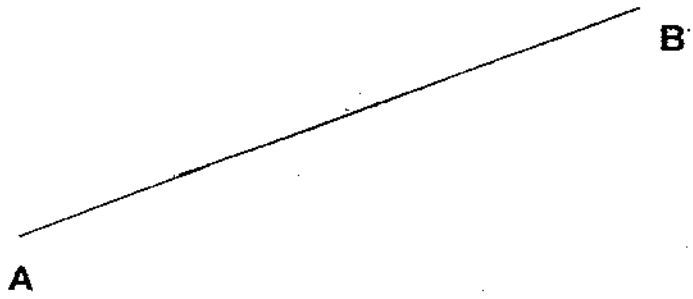
36. Azmi drew these figures on a 1-cm square grid. Which two figures **do not** have the same perimeter?



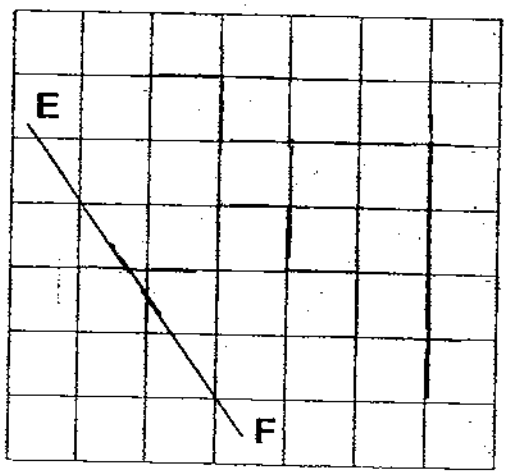
Figures _____ and _____

Go to page 13

37. Draw a line, ST, perpendicular to the line AB. **Name and mark** the perpendicular lines.

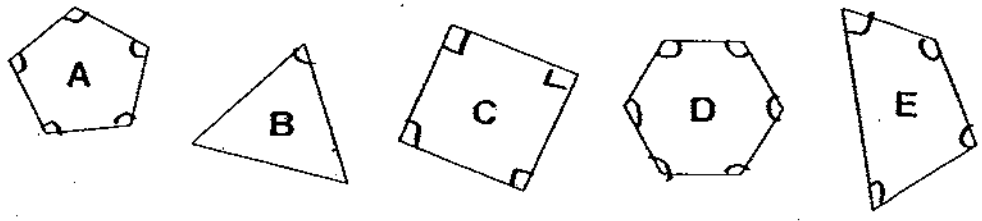


38. In the grid below, draw a line CD parallel to line EF. **Name and mark** the pair of parallel lines.



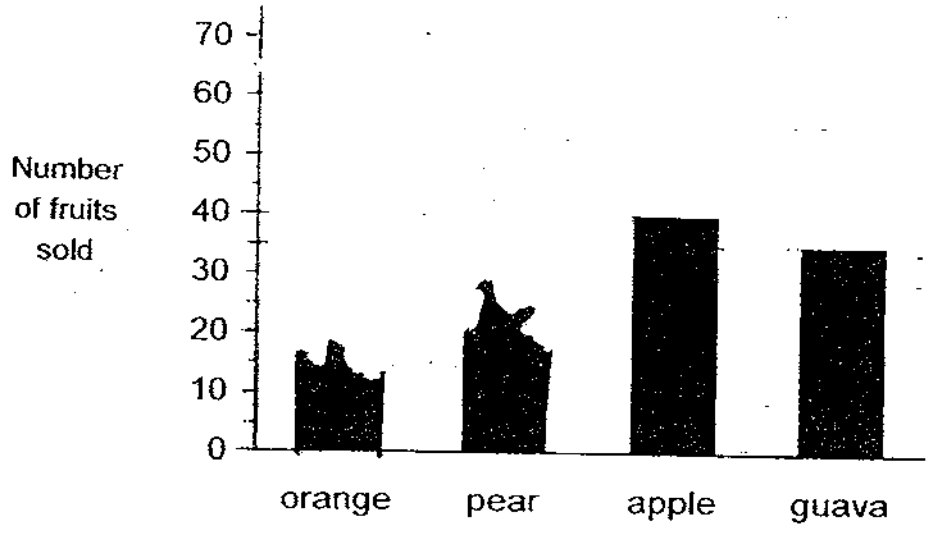
Go to page 14

39. Which two of the following figures shown below have the same number of angles?



Figures _____ and _____

40. Uncle Hock spilled water on the bar graph accidentally and part of it was erased. Help him to complete the graph with the information given.



Orange	50
pear	65
apple	40
guava	35

Go to page 15

Section C (5 x 4 marks)

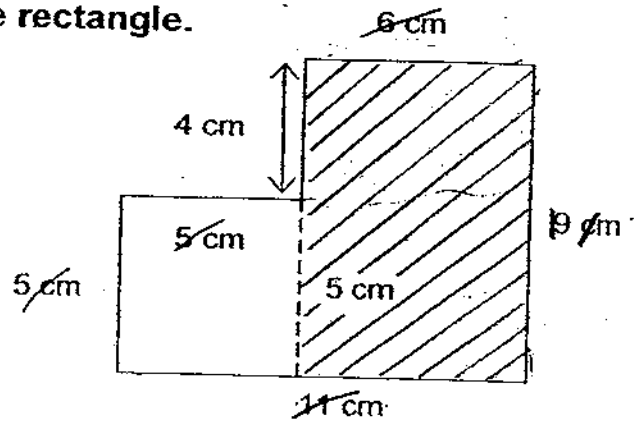
Solve the following problems. Show all your working clearly.

41. Mr Tan bought a computer for $1 782. He paid $900 deposit and the rest in equal amounts over 9 months.
How much did he pay each month?

42. Miss Lee bought 8 packets of bookmarks. Each packet had 105 bookmarks. She distributed all the bookmarks equally among the pupils in the Primary 2 classes. How many pupils were there in Primary 2 if each pupil received 5 bookmarks?

Go to page 16

43. The figure below is made up of a square and a rectangle.
    (a) Find the **perimeter** of the **figure**.
    (b) Find the **area** of the **rectangle.**



44. A train left Town A at 7.10 a.m. It arrived in Town B at 1.15 p.m. It took another 1h 30min to travel from Town B to Town C. How long did the train take to travel from Town A to Town C?

Go to page 17

45. Alicia has a piece of ribbon. She cuts the ribbon into 3 pieces, A, B, and C.
A is 120 cm long.
B is 28 cm longer than A.
C is 38 cm shorter than A.
What is the length of the piece of ribbon?

End of Paper

ANSWER SHEET

EXAM PAPER 2009

SCHOOL : MGS PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

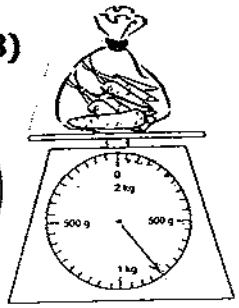
TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	4	1	1	2	2	3	2	4	3	2	1	3	1	4	2	3

Q18	Q19	Q20
1	4	4

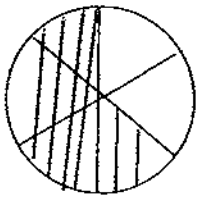
21)2625, 7025 **22)3** **23)2365** **24)343** **25)$1.20** **26)$4**

27)675m **28)**



29)2L 550ml **30)1/12,1/8,1/12,1/5**

31)

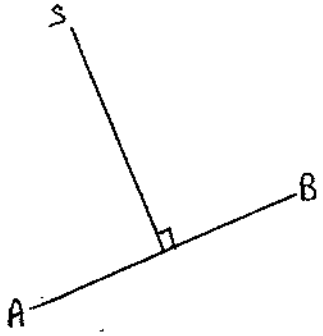


32)2/3=6/9=8/12 **33)1/3kg**

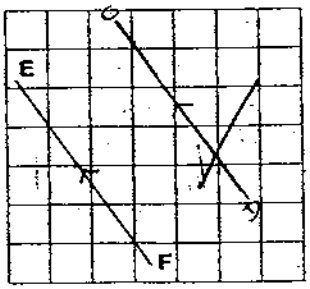
34)7.45 a.m. **35)**

3.35

36)A and F **37)**

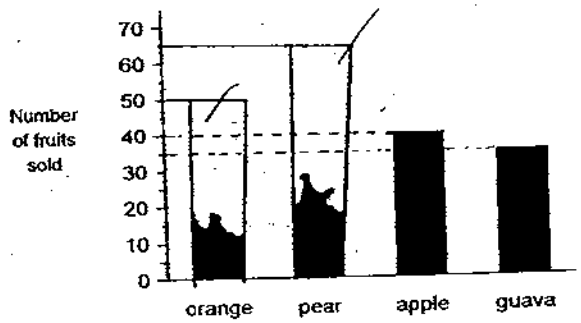


38)



39)C and E

40)



41)1782-900=882
882÷9=98
He paid $98 each month.

42)105x8=840
840÷5=168
There were 168 pupils in primary 2.

43)9x6=54
The area of the rectangle is 54cm_2.

44)6h 5min + 1h 30min = 7h 35min
The train will take 7h 35min to travel from Town A to Town C.

45)120+28=148
120-38=82
120+145=268
268+82=350
The piece of ribbon is 350cm.