

METHODIST GIRLS' SCHOOL (Primary)
2008 End-of-Year Examination
Primary 4

MATHEMATICS

BOOKLET A

Name: _____ ()

Class: P 4. _____

Booklet A (40)	
-----------------------	--

Total time for Booklets A, B and C: 1 h 45 min

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

Follow all instructions carefully.

Answer all questions.

This booklet consists of 10 printed pages.

Section A: (40 marks)

For each of the following question, four options are given.

One of them is the correct answer.

Make your choice (1, 2, 3, 4). Shade the oval (1, 2, 3, 4) on the Optical Answer Sheet.

1. In which of the following numbers does the digit 8 stand for 800?
 - (1) 3 180
 - (2) 5 708
 - (3) 8 103
 - (4) 9 824

2. Which of the following is a factor of both 30 and 45?
 - (1) 15
 - (2) 25
 - (3) 30
 - (4) 45

3. How many one-ninths are there in 3 wholes?
 - (1) 27
 - (2) 18
 - (3) 3
 - (4) 9

4. Which one of the following fractions is in its simplest form?

(1) $\frac{3}{8}$

(2) $\frac{6}{9}$

(3) $\frac{2}{10}$

(4) $\frac{9}{12}$

5. Write $6\frac{9}{25}$ as a decimal.

(1) 6.9

(2) 6.09

(3) 6.36

(4) 6.036

6. What is the missing number in the box?

$$30.009 = 30 + \frac{9}{\boxed{?}}$$

(1) 1

(2) 10

(3) 100

(4) 1000

The table below shows the sales of different books in a month.

Each + represents 12 books.

Study the table carefully and answer questions 7 and 8.

Book title	Number of books sold
Santa Bear	+ + + +
Bad Dream	+ + + + + + + +
Messy Room	+ + + + +
Visit the Dentist	+ + + + + + +
No Boys Allowed	+ + + + + + + + +

7. What is the number of books sold for the book 'No Boys Allowed'?

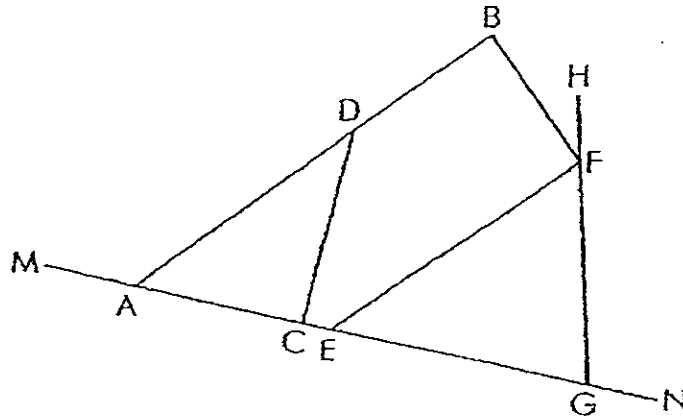
- (1) 9
- (2) 21
- (3) 98
- (4) 108

8. Which book title has 48 more books sold than the book 'Santa Bear'?

- (1) Bad Dream
- (2) Messy Room
- (3) Visit the Dentist
- (4) No Boys Allowed

(Go to page 5)

For questions 9 and 10, refer to the figure below.



9. Which line is parallel to EF?

- (1) AB
- (2) BF
- (3) CD
- (4) GH

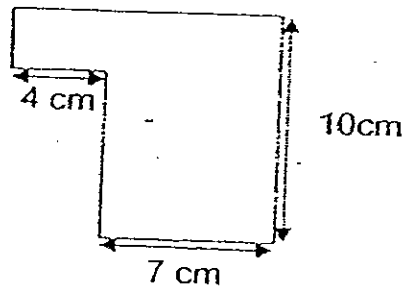
10. Which line is perpendicular to MN?

- (1) DA
- (2) DC
- (3) FE
- (4) HG

11. What is $\frac{3}{4}$ of 1 minute? Give your answer in seconds.

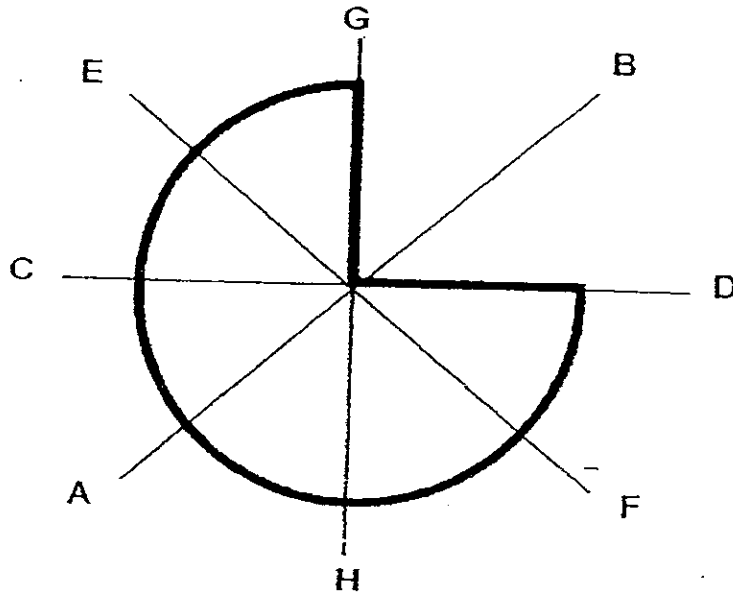
- (1) 15 s
- (2) 45 s
- (3) 60 s
- (4) 75 s

12. Find the perimeter of the figure below.



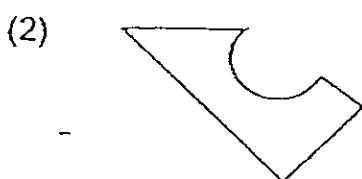
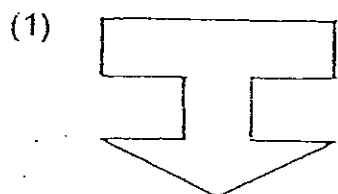
- (1) 24 cm
- (2) 35 cm
- (3) 42 cm
- (4) 82 cm

13. Which line is the line of symmetry?



- (1) AB
- (2) CD
- (3) EF
- (4) GH

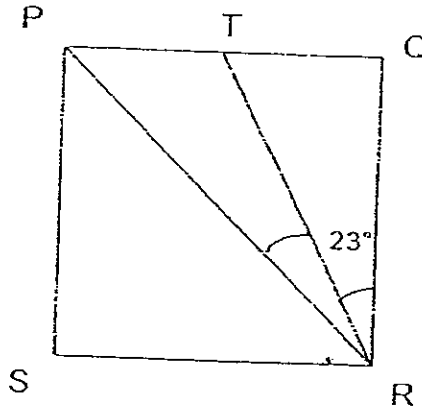
14. Which one of the following shapes can tessellate?



15. What is the best estimate for the product of 48×293 ?

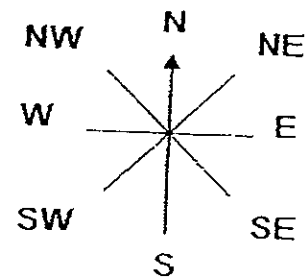
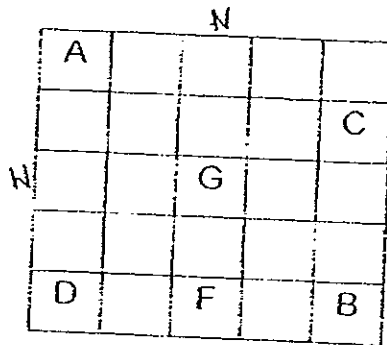
- (1) 40×290
- (2) 40×300
- (3) 50×290
- (4) 50×300

16. PQRS is a square. PR is a diagonal.
Find $\angle PRT$.



- (1) 22°
- (2) 33.5°
- (3) 45°
- (4) 67°

17. The following grid shows the position of letters, A, B, C, D, F and G.



A is _____ of G.

- (1) NE
- (2) NW
- (3) SE
- (4) SW

18. Find the difference between 36.03 and 3.99. Round off your answer to the nearest tenth.
- (1) 3.02
 - (2) 30.0
 - (3) 32.0
 - (4) 32.04
19. How many tenths are there in 70.7?
- (1) 7
 - (2) 70
 - (3) 707
 - (4) 7070
20. The perimeter of a rectangle is 108 cm. Its length is twice its breadth. What is the breadth of the rectangle?
- (1) 6cm
 - (2) 12cm
 - (3) 18 cm
 - (4) 36 cm

Section B: (40 marks)

Write your answers in the space provided.

For questions which require units, give your answers in the units stated.

21. $36\,907 = 30\,000 + \underline{\quad? \quad} + 900 + 7$

What is the missing number?

22. Round off 18 098 to the nearest hundred.

23. What is the first common multiple of 3 and 7?

24. Find the value of $1 - \frac{1^x}{3^x} - \frac{1}{12}$.

25. Write $\frac{17}{7}$ as a mixed number in its simplest form.

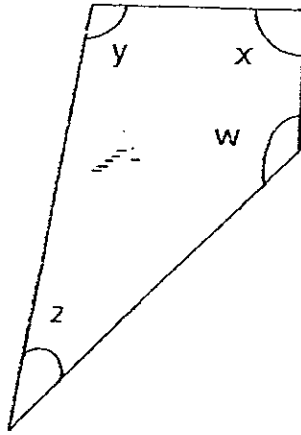
26. Express $\frac{37}{100}$ as a decimal.

27. Arrange the following numbers in order from the greatest to the smallest.

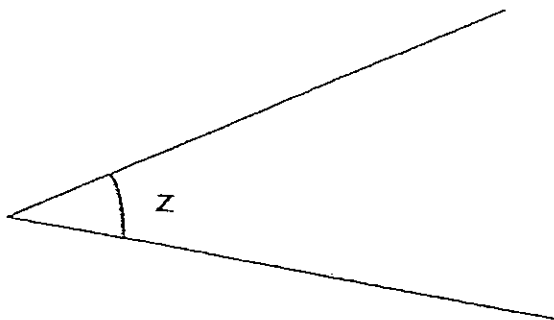
0.708, 0.807, 0.087

(greatest)		(smallest)

28. In the figure, one of the angles is a right angle. Name the angle.



29. Measure and write down the size of $\angle z$.

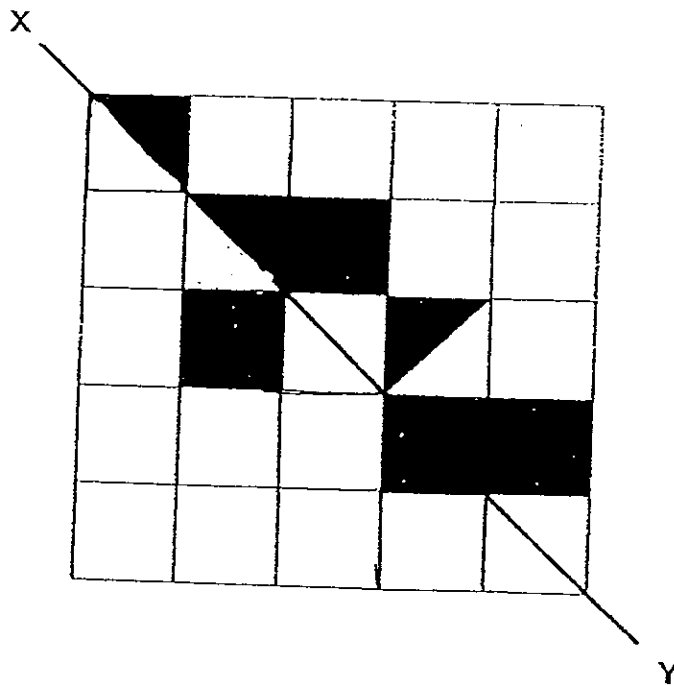


(Go to page 14)

30. Jamie reached school at 12 30.
 It takes her 1 hour 35 minutes to reach school.
 What time did she leave home?
 Express your answer using the 24-hour clock.

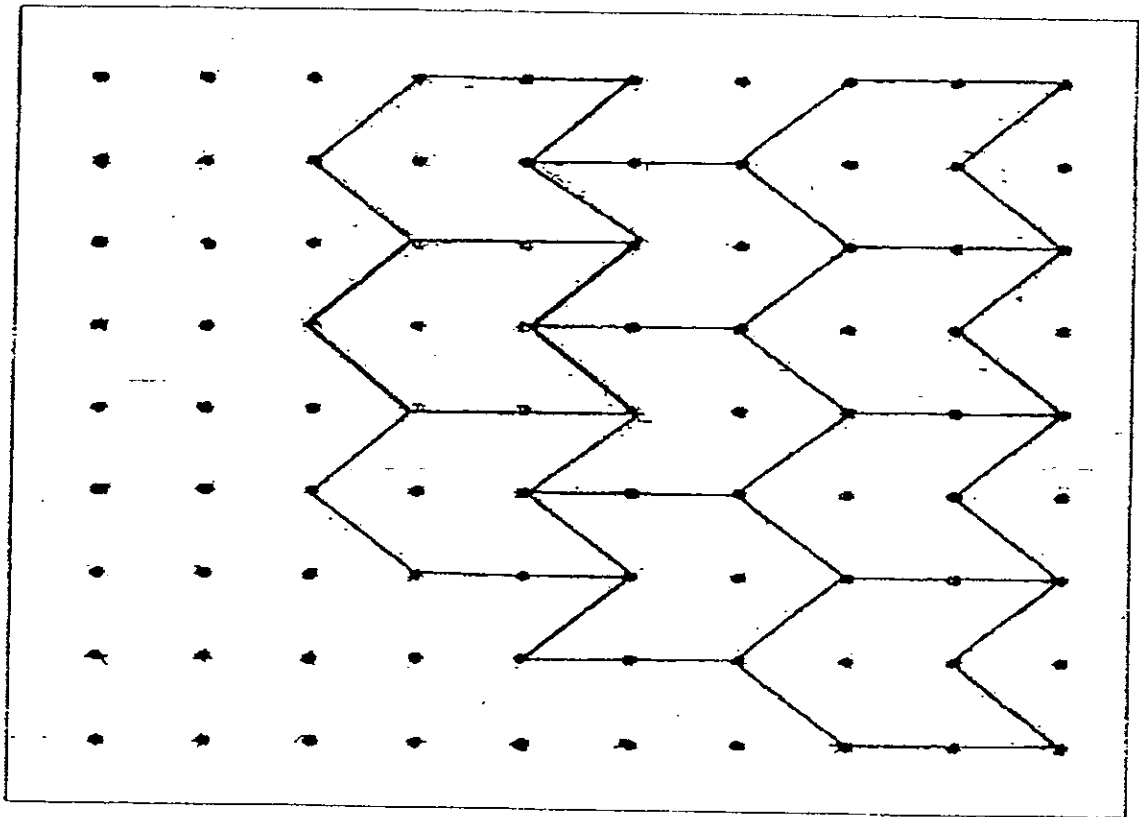


31. In the figure below, the line XY is the line of symmetry.
 Shade some squares and half-squares to make a symmetric pattern.



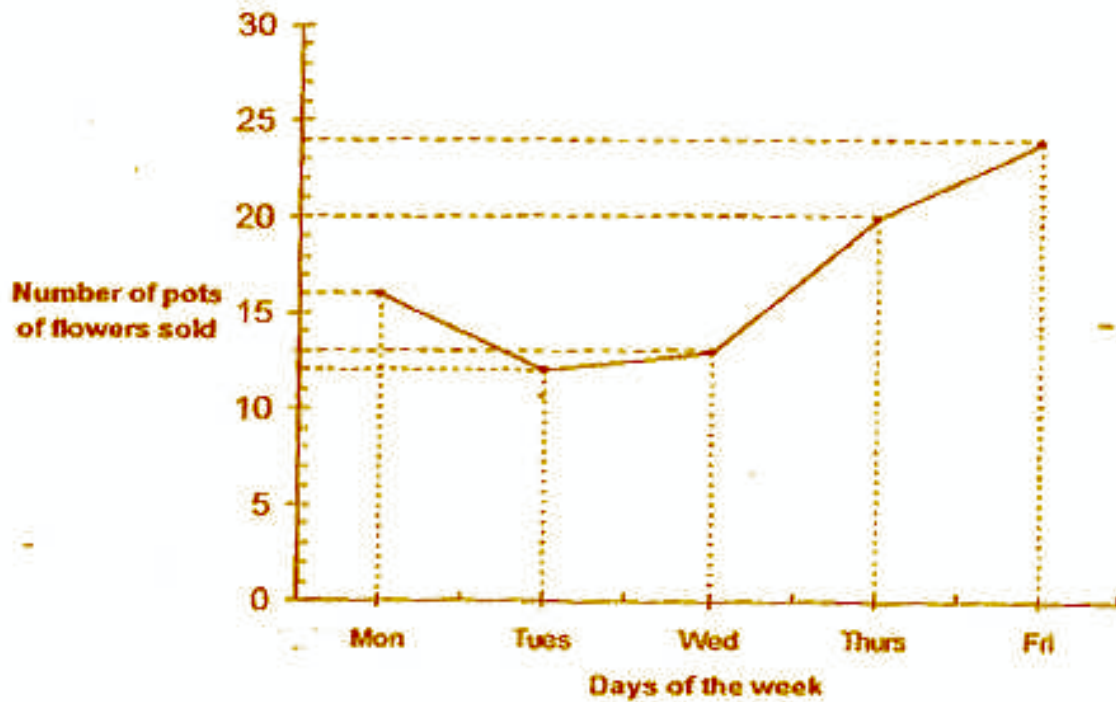
(Go to page 15)

32. Extend the tessellation by 4 more units.



The graph below shows the number of pots of flowers sold by a florist during a five-day carnival.

Study it carefully and answer questions 33 and 34.

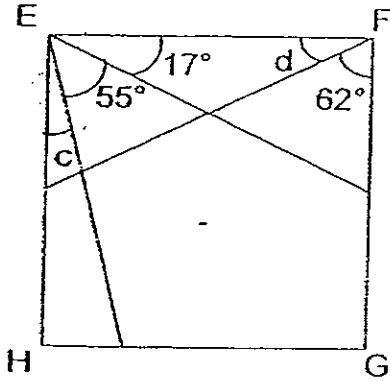


33. On which day was the greatest increase in the number of pots of flowers sold?

34. How many pots of flowers did the florist sell in all?

(Go to page 17)

35. EFGH is a square.
Find $\angle c$ and $\angle d$.



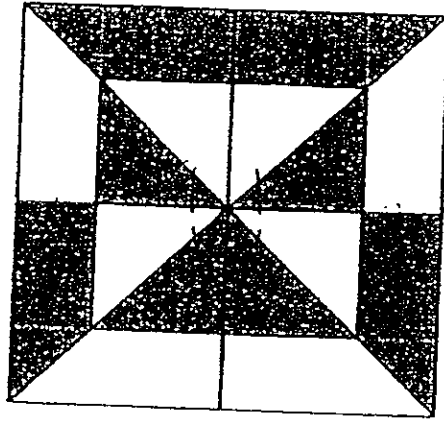
$\angle c =$ and $\angle d =$

36. Sally started doing her household chores at 09 30 and finished at 15 45.
Her tea break was half an hour long.
How much time did she spend on doing household chores?

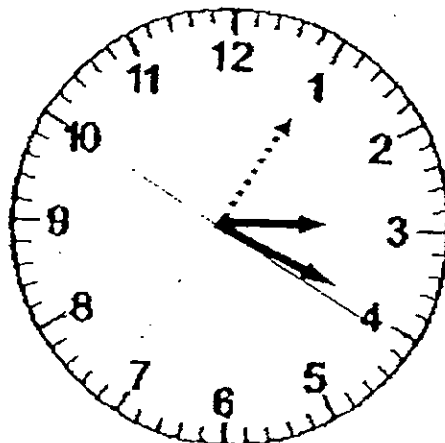
h min

(Go to page 18)

37. What fraction of the figure below is shaded?

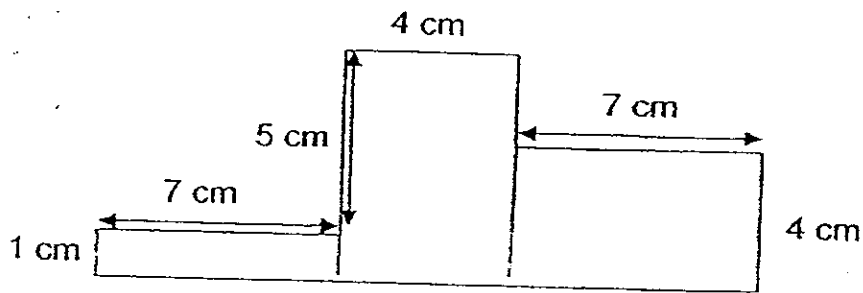


38. The minute hand of a clock moved from 3.05 a.m. to 3.20 a.m.
What was the angle moved by the minute hand?



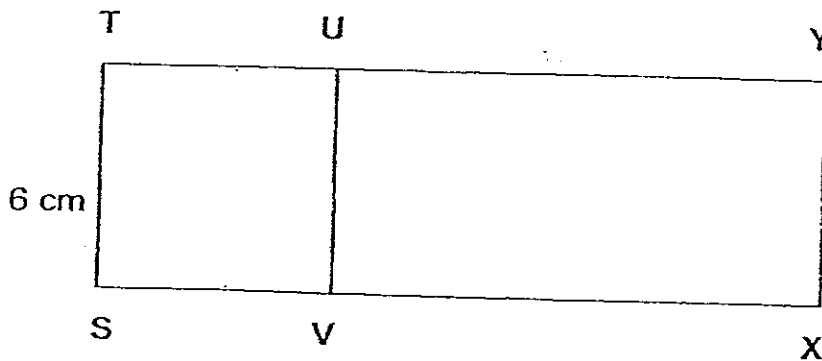
(Go to page 19)

39. Find the area of the figure below.



cm²

40. The figure below is made up of a square STUV and a rectangle UVXY.
 UY is twice the length of TS.
 Find the perimeter of the figure.



cm

Section C: (20 marks)

Show your working clearly in the space provided for each question and write your answers in the space provided.

The number of marks available is shown in brackets [] at the end of each question or part-question.

41. The total cost of 3 files and 4 books is \$67.
The total cost of 6 files and 11 books is \$173.
What is the cost of 1 book?

Ans: _____ [4]

42. Henry had some stamps.
After giving 32 stamps to Timmy, they had the same number of stamps.
If Timmy had 26 stamps at first, how many stamps did Henry have at first?

Ans: _____ [4]

(Go to page 21)

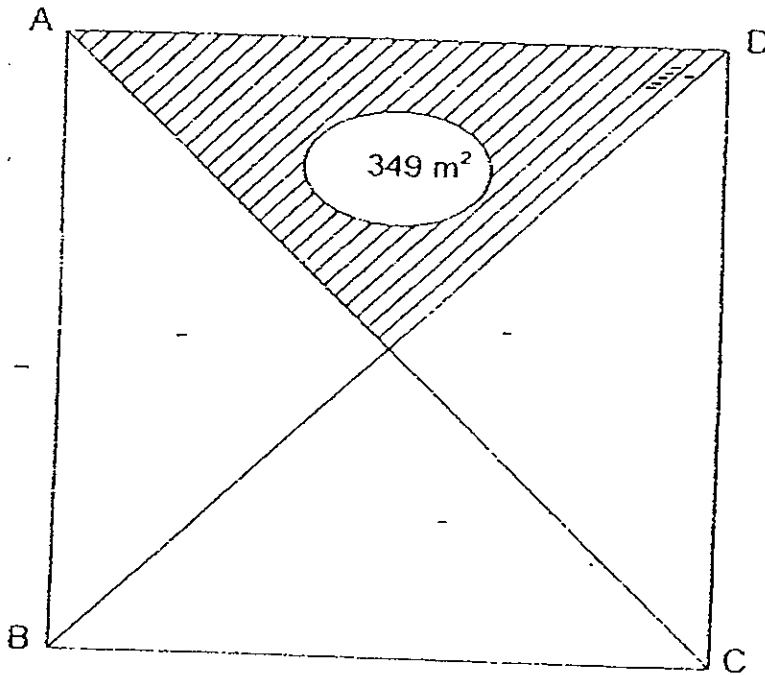
43. Angie, Beatrice and Cally had \$655 altogether. Angie spent $\frac{1}{3}$ of her money. Beatrice spent \$25 and Cally spent twice the amount Angie spent. If they had the same amount of money left, how much money did Cally have at first?

Ans: _____ [4]

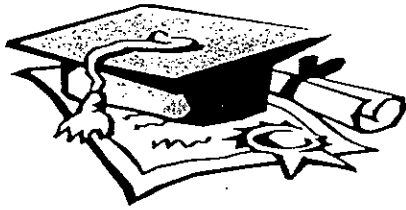
44. David bought a pen, a pencil and an eraser from a bookshop.
A pen cost 5 times as much as a pencil.
An eraser cost \$2.25 less than a pencil.
If an eraser cost \$0.55, how much did David pay altogether?

Ans : _____ [4]

45. ABCD is a square field of side 80 m.
The shaded region of the field is a garden with a pond of area 349 m^2 .
What is the area of the shaded region?



Ans: _____ [4]



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : MGS PRIMARY SCHOOL
 SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	1	1	1	3	4	4	1	1	2	2	3	1	3	3	1	2
Q18	Q19	Q20														
3	3	3														

21) 6000

22) 18100

23) 21

24) 7/12

25) $23/7$

26) 0.37

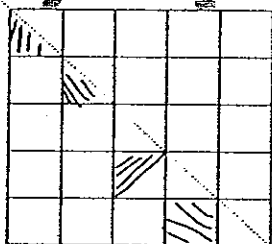
27) 0.807, 0.708, 0.087

28) $\sphericalangle X$

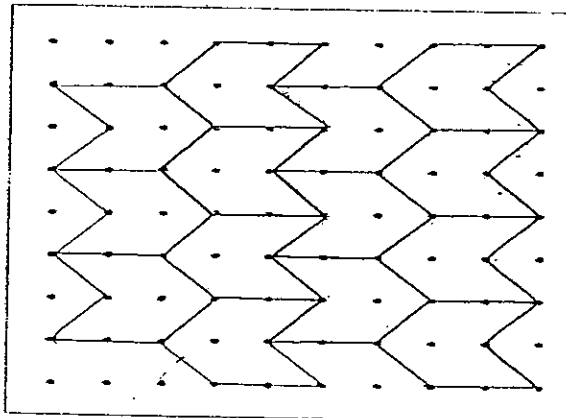
29) 33°

30) 1055

31)



32)



33) Thursday

34) 85 pots

35) 18° and 28°

36) 5h 45min

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

38) 90°

39) 59cm^2

40) 48cm

41) $173 - 67 = 106$

$106 - 67 = 39$

$39 \div 3 = 13$

The cost of 1 book is \$13

42) $26 + 32 = 58$

$58 + 32 = 90$

Henry had 90 stamps at first.

43) $655 - 25 = 630$

$630 \div 9 = 70$

$70 \times 4 = 280$

Cally had \$280 at first.

44) $0.55 + 2.25 = 2.80$

$2.80 \times 5 = 14.00$

$14.00 + 0.55 + 2.80 = 17.35$

David paid \$17.35 altogether.

45) $80 \times 80 = 6400$

$6400 \div 4 = 1600$

$1600 - 349 = 1251$

The area of the shaded region is 1252m^2