



HENRY PARK PRIMARY SCHOOL
2015 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 4

Name: _____ ()

Parent's Signature

Class: Primary 4 _____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	20
Section B (Open-Ended)	50
Section C (Problem Sums)	30
Total	100

Section A: Multiple Choice Questions (10 x 2 marks = 20 marks)

Read each question carefully. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals on the Optical Answer Sheet.

1. In which of the following numbers does the digit 2 stand for 2000?

(1) 12 407

(2) 27 408

(3) 37 204

(4) 74 025

2. 84 351 rounded off to the nearest hundred is _____.

(1) 84 300

(2) 84 350

(3) 84 400

(4) 84 451

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

$$\frac{1}{2}, \frac{3}{4}, \frac{5}{8}$$

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

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

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

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

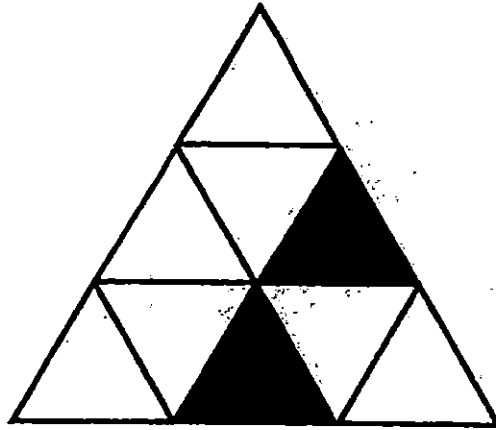
4. The figure shown is made up of identical triangles. What fraction of the figure is shaded?

(1) $\frac{2}{7}$

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

(3) $\frac{7}{2}$

(4) $\frac{7}{9}$



5. In the number 9.876, which digit is in the tenths place?

(1) 6

(2) 7

(3) 8

(4) 9

6. Express 0.08 as a fraction in its simplest form.

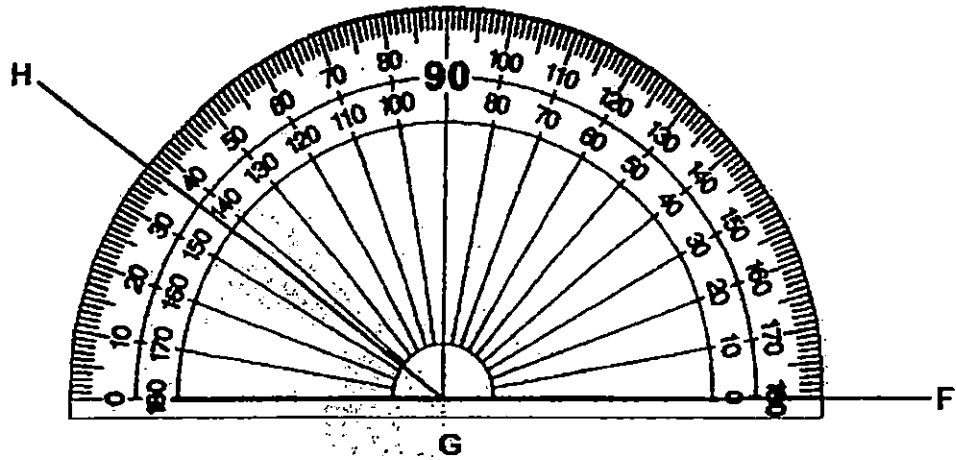
(1) $\frac{1}{8}$

(2) $\frac{2}{25}$

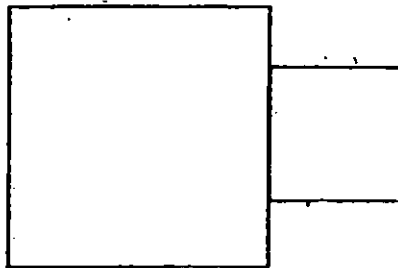
(3) $\frac{1}{10}$

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

7. Find the value of $\angle FGH$.

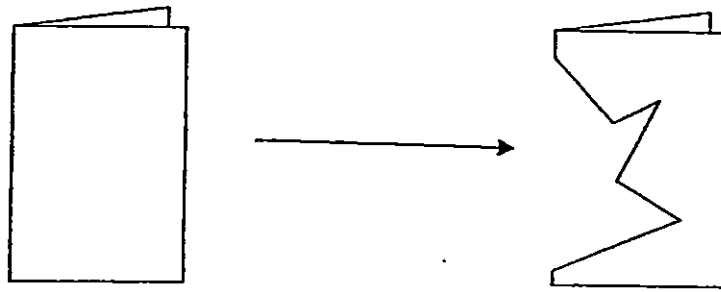


- (1) 37°
 - (2) 43°
 - (3) 143°
 - (4) 157°
8. The figure below is made up of 2 squares. The length of the smaller square is half the length of the bigger square. Given that the perimeter of the whole figure is 60 cm, find the length of the bigger square.

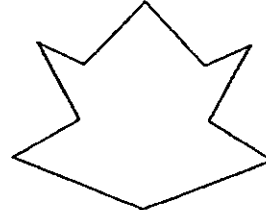
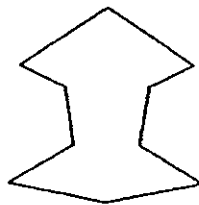
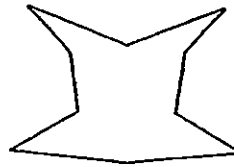
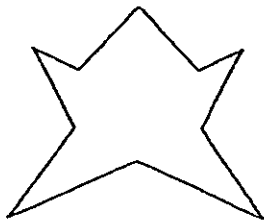


- (1) 5 cm
- (2) 6 cm
- (3) 10 cm
- (4) 12 cm

9. Alicia folded a piece of paper and cut out a shape as shown below.



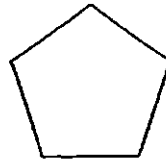
Which of the following figures below did Alicia cut out from the folded piece of paper?



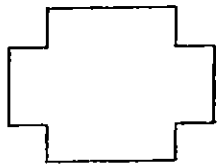
10. Which of the following shapes cannot be tessellated?



A



B



C



D

- (1) A and B
- (2) B and C
- (3) C and D
- (4) D and A

(Go on to Section B)

NAME: _____ () CLASS: Primary 4 _____

Section B: Open-Ended Questions (25 x 2 marks = 50 marks)

Read the questions carefully and write the correct answer in the blanks provided. Show all workings clearly.

11. Write the missing number in the number pattern below.

13 000 , 12 200 , 11 400 , 10 600 , _____ , 9000

Ans: _____

12. Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____ and _____

13. Find the product of 4705 and 6.

Ans: _____



14. How many one-ninths are there in 3 wholes?

Ans: _____ one-ninths

15. Find the value of $1 - \frac{1}{12} - \frac{1}{3}$

Ans: _____

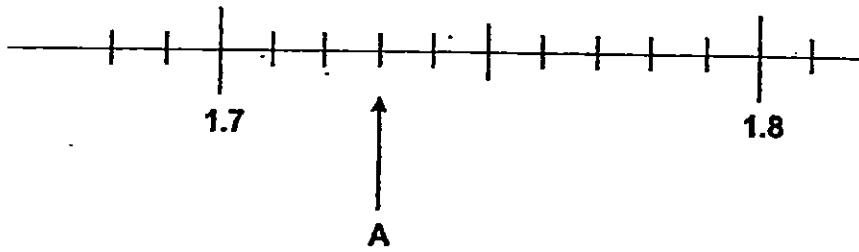
16. Which two of the fractions below are equivalent to $\frac{6}{8}$?

$\frac{3}{4}$, $\frac{4}{6}$, $\frac{10}{12}$, $\frac{12}{16}$

Ans: _____ and _____



17. Write the decimal represented by A.

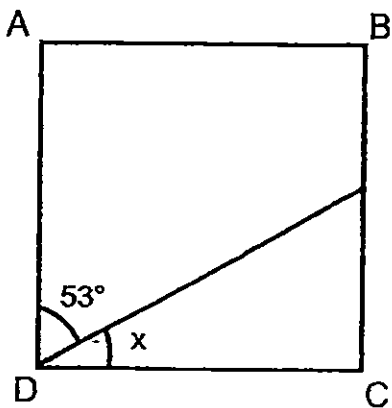


Ans: _____

18. Express 0.4 as a fraction.

Ans: _____

19. ABCD is a square. Find $\angle x$.



Ans: _____^o



20. Look at the numbers below. Find the sum of the **smallest** and **greatest** numbers.

2539

2689

2953

2839

Ans: _____

21. What is the sum of the first and second common multiples of 5 and 7?

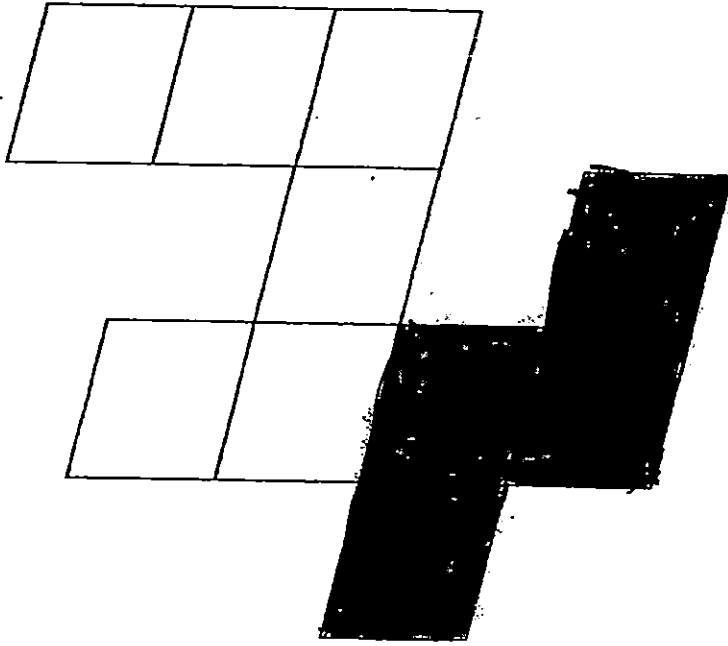
Ans: _____

22. Peter ate $\frac{1}{3}$ of a pizza for lunch. He ate $\frac{1}{4}$ of the pizza for dinner.

What fraction of the pizza did Peter have left?

Ans: _____

23. Shade $\frac{2}{5}$ of the figure shown below.

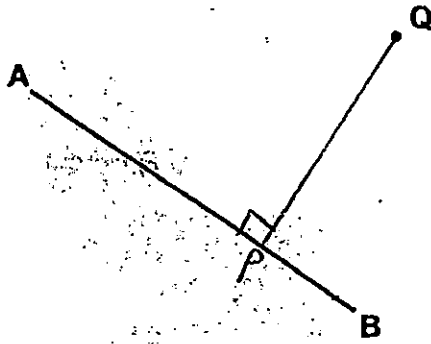


24. Kate, Lisa and Minah participated in a running competition. Kate ran 2.48 km. She ran 0.54 km more than Lisa. Lisa ran 1.5 km less than Minah. What was the distance Minah ran?

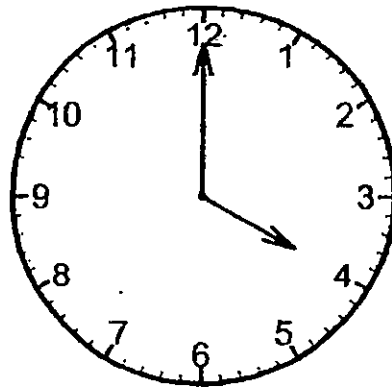
Ans: _____ km



25. Draw a line PQ such that it is perpendicular to AB and passes through point Q.



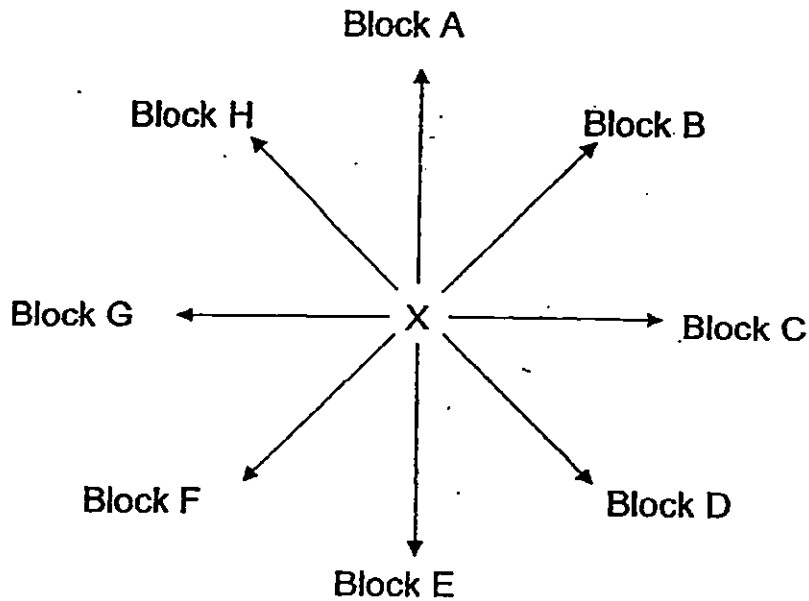
26. How many $\frac{1}{4}$ -turns in the clockwise direction would the hour hand on the clock make from 4 a.m. to 1 p.m. ?



Ans: _____ $\frac{1}{4}$ -turns

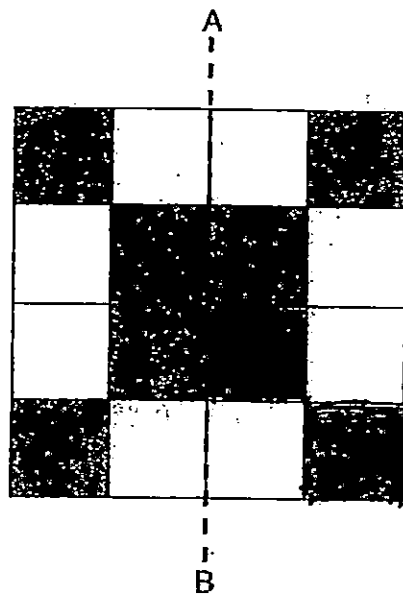


27. Tim is standing at Point X and facing Block H. He makes a 135° turn in the anti-clockwise direction. Which block will he be facing after making the turn?

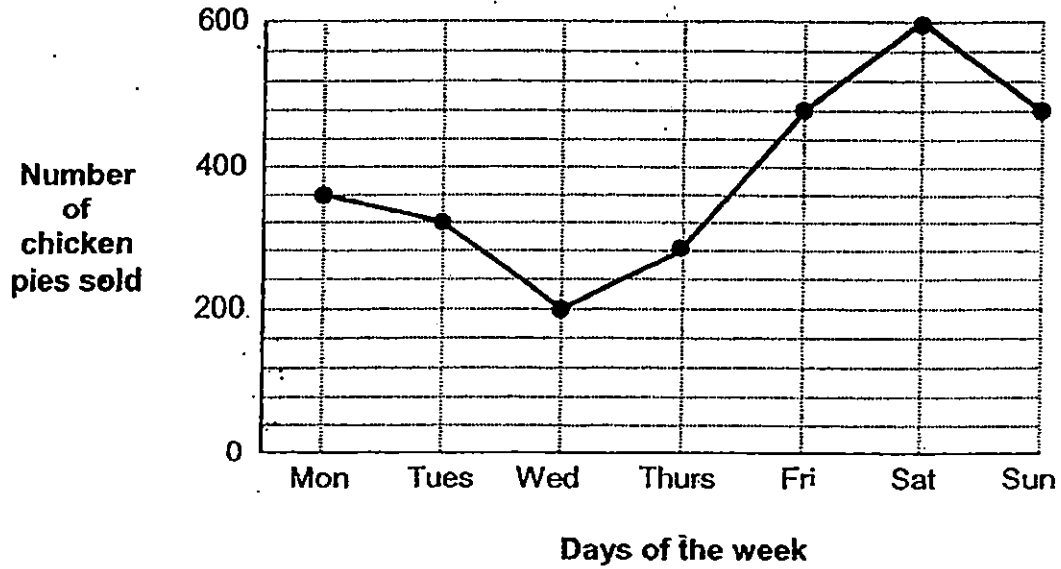


Ans: _____

28. The figure below is made up of identical squares. Shade 2 more squares in the figure below so that AB becomes the line of symmetry.



The line graph below shows the number of chicken pies Mr Lee sold in a particular week. Study the graph and answer questions 29 and 30.

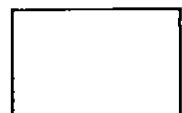


29. How many more chicken pies did Mr Lee sell on Friday than Thursday?

Ans: _____

30. Mr Lee sold each chicken pie for \$3.00. What was the total amount Mr Lee received from the sales of the chicken pies on Saturday and Sunday?

Ans: \$ _____



31. Danny started his piano practice at 10.30 a.m. and ended his piano practice at 1.15 p.m. He took a 25-minute break in between his piano practice. How much time did Danny spend practising on his piano? Give your answer in hours and minutes.

Ans: _____ h _____ min

32. There are 36 classes in a school. Each class has 39 students. Each student raised \$9 for charity. What was the total amount of money raised by the students?

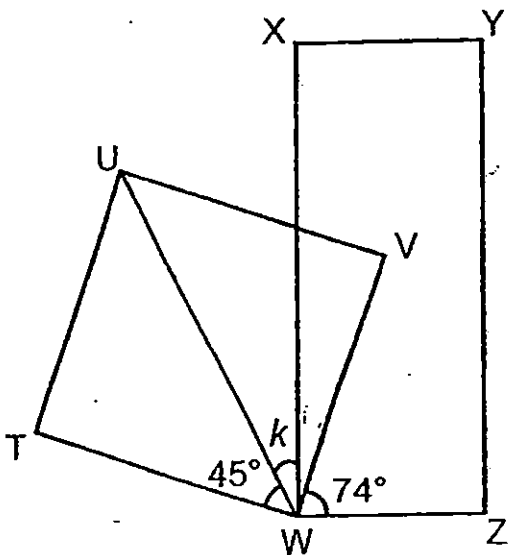
Ans: \$ _____



33. Sean mixed 8 similar bottles of water with 0.56 litres of orange syrup to make an orange drink. The capacity of each bottle of water was 1.7 litres. How many litres of orange drink did Sean make?

Ans: _____ litres

34. In the figure below, TUVW is a square and WXYZ is a rectangle. $\angle TWU = 45^\circ$ and $\angle VWZ = 74^\circ$. Find $\angle k$.



Ans: _____



35. Jenny's colour printer takes $\frac{1}{4}$ minute to print one large photograph. Jenny set the colour printer to print 32 such large photographs continuously. What is the latest time Jenny must start printing so that the photographs are printed by 2.05 p.m.?

Ans: _____

(Go on to Section C)



NAME: _____

CLASS: Primary 4 _____

Section C: Problem Sums (30 marks)

Read the following problem sums carefully. You may draw models to help you. Show all working clearly and write your answers in the spaces provided. The number of marks allocated is shown in the brackets [] at the end of each question.

36. Lynn had a ribbon 30 m long. She gave 750 cm of the ribbon to her sister and used the remaining length to make bows.
- (a) What was the length of ribbon Lynn had left after giving her sister 750 cm of the ribbon?
- (b) Lynn used exactly the same length of ribbon to make each bow. She made a total of 9 such bows. What was the length of ribbon used for each bow?

Ans: (a) _____ [2]

(b) _____ [2]



37. Jeffery spent $\frac{1}{8}$ of his monthly salary and saved \$161. Given that he saved the same amount of money each month, how much money did Jeffrey earn in 12 months?

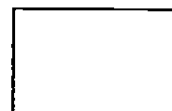
Ans: _____ [4]

38. A tennis racket costs 3 times as much as a basketball. 1 tennis racket and 4 such basketballs cost \$287.35. How much does the tennis racket cost?

Ans: _____ [3]

39. In Sunshine Primary School, flag poles are placed at equal distance apart in a straight line. The distance between the 1st and 5th flag pole is 11.6 m. There are a total of 8 flag poles. What is the distance between the first and last flag pole?

Ans: _____ [3]



40. Harold bought some mangosteens and repacked them into bags of 25. He had 175 such bags of mangosteens and 7 mangosteens left.

a) How many mangosteens did Harold buy?

b) Harold wanted to have 180 bags of mangosteens. How many more mangosteens must he buy?

Ans :a) _____ [2]

b) _____ [2]

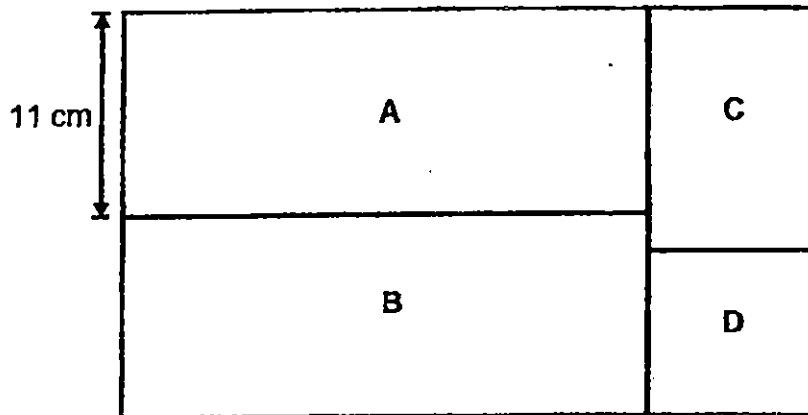


41. Mrs Ang had a total of 306 dresses for sale. She sold $\frac{2}{3}$ of the dresses to Shop A and $\frac{1}{9}$ of the dresses to Shop B. How many dresses had she left?

Ans: _____ [4]



42. The figure below is made up of 3 rectangles A, B and C and square D. Rectangle A and Rectangle B are identical. Rectangle A has a breadth of 11 cm. The area of Square D is 81 cm^2 . What is the perimeter of Rectangle C?

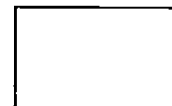


Ans: _____ [4]



43. Sam has 7.2 kg of flour. Beth has 3.14 kg less flour than Sam. Sam and Beth want to bake 7 cakes for their class party. Each cake requires 1.35 kg of flour. How much flour would they have left after baking their cakes?

Ans: _____ [4]



-END OF PAPER-

Setters: Mrs Chia Seow Wei, Mrs Emily Tang, Mrs Phyllis Voo, Mr Philip Ho,
Mdm Yvonne Lee



EXAM PAPER 2015

LEVEL : PRIMARY 4

SCHOOL : HENRY PARK PRIMARY SCHOOL

SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	3	2	2	3	2	3	4	4	1

Q11. 9800

Q12. 2 and 5

Q13. 28330

Q14. 27 one-ninths

Q15. $\frac{7}{12} - \frac{12}{12} - \frac{4}{12} - \frac{1}{12} = \frac{7}{12}$

Q16. $\frac{3}{4}$ and $\frac{12}{16}$

Q17. 1.73

Q18. $\frac{4}{10}$

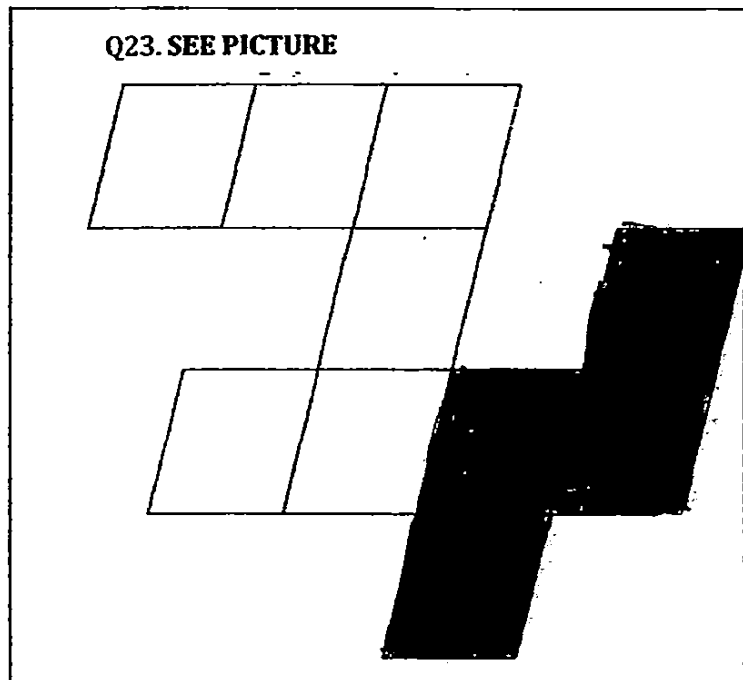
Q19. $37^\circ \rightarrow 90 - 53 = 37$

Q20. $5492 \rightarrow 2953 + 2539$

Q21. $105 \div 5 = 5, 10, 7 = 7, 14$

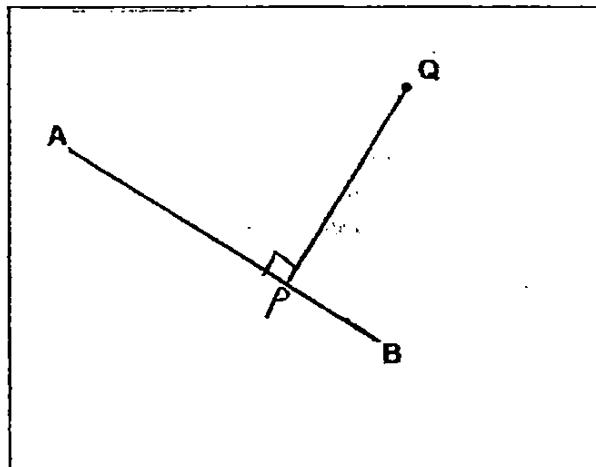
Q22. $\frac{5}{12}$

Q23. SEE PICTURE



Q24. $3.44\text{km} \rightarrow 2.48 - 0.54 = 1.94$

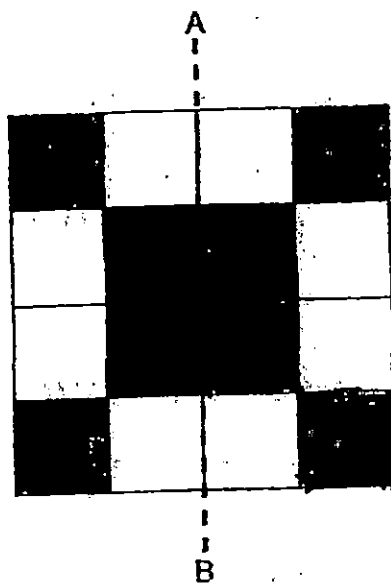
Q25. SEE PICTURE



Q26. $3\frac{1}{4}$ turns

Q27. Block E

Q28. SEE PICTURE



Q29. 200

Q30. $\$3240 \ 1080 \times 3 = 3240$

Q31. 2h 20min $\rightarrow 45 - 25 = 20$.

Q32. $12636 \rightarrow 1404 \times 9 = 12636$

Q33. 14.16litres

Q34. $29^\circ \rightarrow 90 - 74 = 16, 45 - 16 = 29$

Q35. 1.57pm

Q36a. $2250\text{cm} \rightarrow 30\text{m} = 3000\text{cm}, 3000 - 750 = 2250\text{cm}$

Q36b. $250\text{cm} \rightarrow 2250 \div 9 = 250$

Q37. $\$2208 \rightarrow 7u = 161, u = 161 \div 7 = 23, 23 \times 96 = 2208$

Q38. $\$123.15 \rightarrow 287.35 \div 7 = 41.05, 41.05 \times 3 = 123.15$

Q39. $20.3\text{m} \rightarrow 11.6 \div 4 = 2.9, 2.9 \times 7 = 20.3$

Q40a. $4382 \rightarrow 175 \times 25 = 4375, 4375 + 7 = 4382$

Q40b. $118 \rightarrow 180 - 75 = 5, 25 \times 5 = 125, 125 - 7 = 118$

Q41. $68 \rightarrow 306 \div 9 = 34, 34 \times 2 = 68$

Q42. $44\text{cm} \rightarrow 11 \times 2 = 22, 22 - 9 = 13, 13 = 9 + 13 + 9 = 44$

Q43. $1.81\text{kg} \rightarrow 7.2 - 3.14 = 4.06, 1.35 \times 7 = 9.45, 7.2 + 4.06 = 11.26, 11.26 - 9.45 = 1.81$

THE END