403 / SA2 / 20

Name : _____ (   )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2015 Semestral Assessment Two

Booklet A

27 October 2015

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

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 including the cover page.

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and <u>SHADE</u> the oval completely.

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1. The value of the digit 4 in 84 391 is _____.

    1) 40

    2) 400

    3) 4000

    4) 40 000

2. Seventy-six thousand and forty-two in figures is _____.

    1) 76 420

    2) 76 402

    3) 76 042

    4) 7642

3. How many one-sixths are there in 3 wholes?

    1) $\dfrac{1}{2}$

    2) 2

    3) $\dfrac{1}{18}$

    4) 18

4. Which one of the following has $\frac{1}{5}$ of the figure shaded?

1)

2)
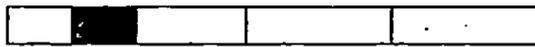
3)

4)

5. What fraction of the shapes are ((?
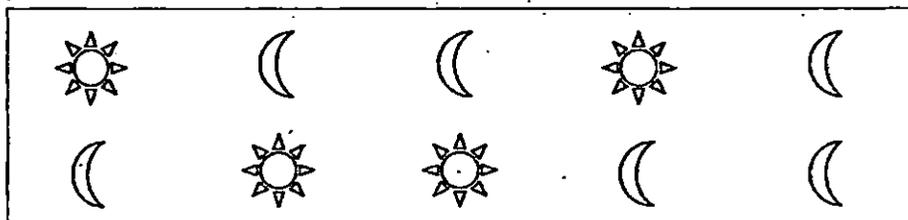
1) $\frac{3}{5}$

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

3) $\frac{2}{5}$

4) $\frac{2}{3}$

6. Write $3\frac{9}{25}$ as a decimal.

   1) 3.9

   2) 3.45

   3) 3.36

   4) 3.25

7. One of the lines in the figure is parallel to AB. Which line is parallel to AB?
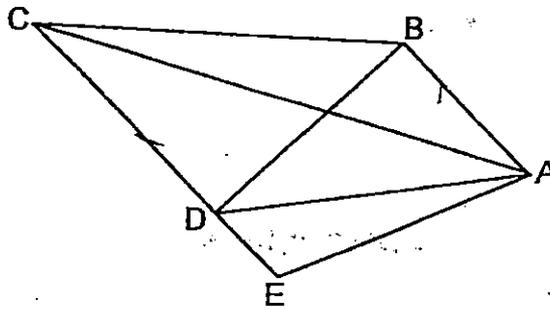
   1) EC

   2) BC

   3) AD

   4) BD

8. Complete the following number pattern.

   15 , 19 , 24 , _____ , _____ , 45 , 54

   1) 27 , 31

   2) 29 , 36

   3) 28 , 33

   4) 30 , 37

9. 29 hundreds and 40 tens is the same as _____.

    1) 2904

    2) 2940

    3) 3300

    4) 4290

10. Look at the figure below. Which one of the following statements is false?
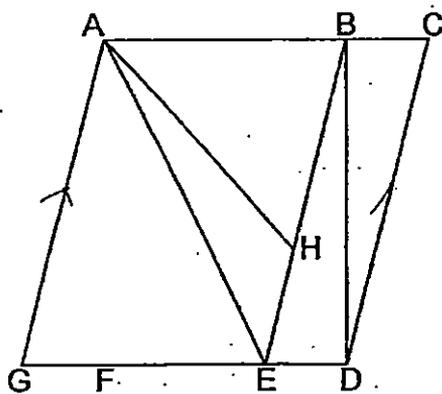
    1) BD is perpendicular to DG.

    2) AB is perpendicular to BE.

    3) AG is parallel to CD.

    4) BE is parallel to AG.

11. In the figure below, which angle is a right angle?
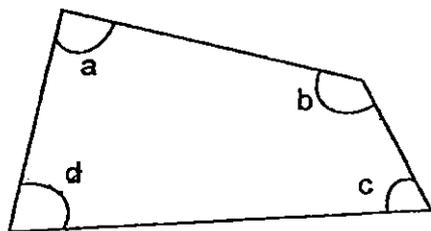
1) ∠a

2) ∠b

3) ∠c

4) ∠d

12. Which of the shapes below **can** be tessellated?
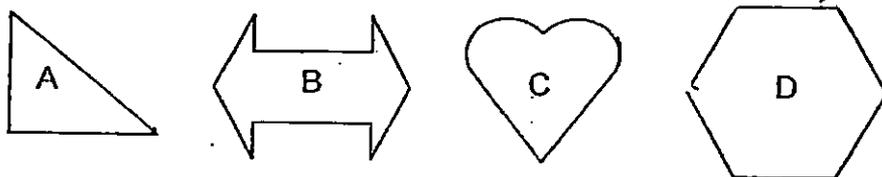

1) A and C

2) A and D

3) B and C

4) B and D

13. $48 \times 36 =$ _____ $\times 9$

    1) 192

    2) 432

    3) 1628

    4) 1728

14. The duration of the movie "Dino World" was 2 hours 4 minutes. The movie started at 16 40. At what time did the movie end?

    1) 18 44

    2) 18 42

    3) 18 40

    4) 18 36

15. Queenie went for a party with her friends. She left home at 21 20 and returned home at 01 05 the next day. What was the total time that Queenie was out at the party?

    1) 3 h 15 min

    2) 3 h 45 min

    3) 4 h 15 min

    4) 4 h 45 min

16. The graph below shows the amount of money Jacqueline saved in four months. She saved a total of $1160.
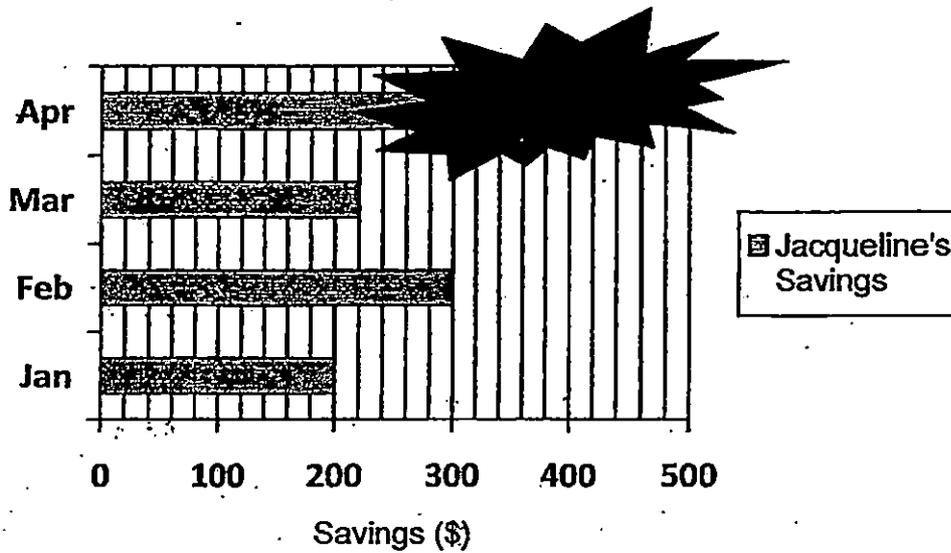
However, Jacqueline accidentally spilled water on her graph. How much did she save in April?

1) $290

2) $380

3) $400

4) $440

17. Samuel had $5.00. He bought a stapler with a two-dollar note, 2 twenty-cent coins and 3 five-cent coins. How much did he have left?

1) $3.55

2) $2.45

3) $1.10

4) $0.65

18. Which of the shapes below is symmetrical?

A   B   C   D

1) A

2) B

3) C

4) D

19.

N

John

1 step
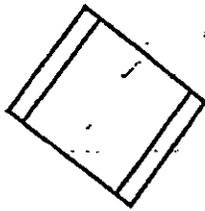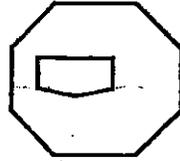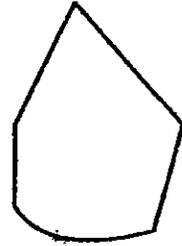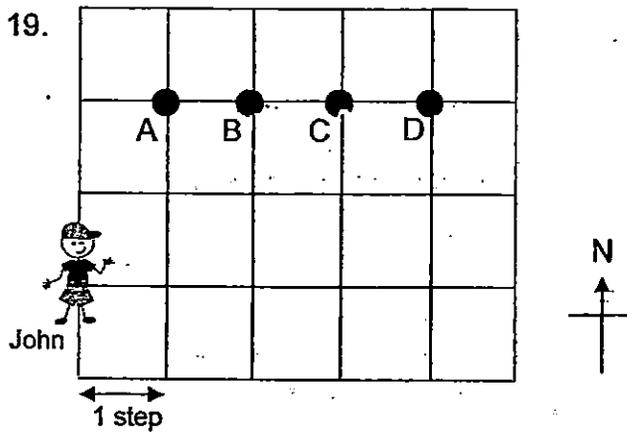
John followed a treasure map given to him. From his starting position, he took three steps to the east. Then, he took one step to the north. He walked one step to the west and then, one final step to the north. He finally reached the treasure! Where was the treasure located?

1) A

2) B

3) C

4) D

20. Mr Huang decided to build a small pool measuring 5 m by 2 m in his garden. He decided to place it at a corner of his garden, which was 7 m long and 4 m wide. What was the area of the garden **not** covered by the pool?

5 m

2 m

4 m

Garden

7 m
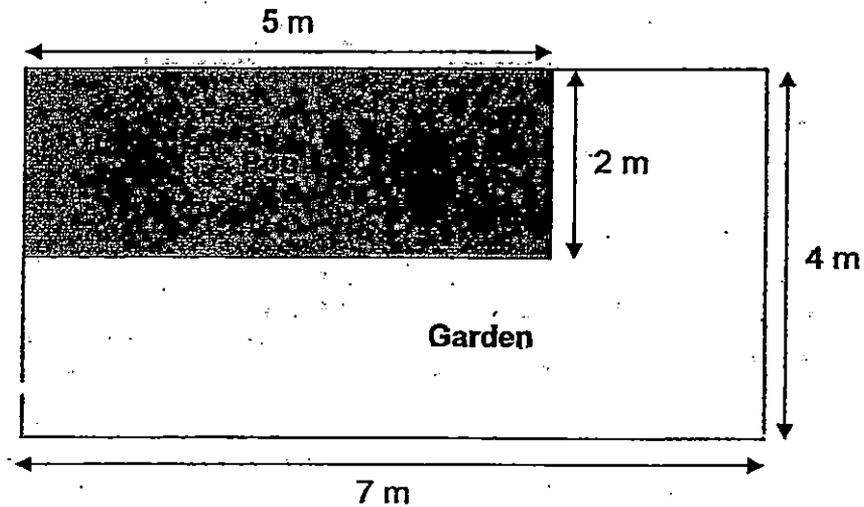
1) 4 m²

2) 10 m²

3) 18 m²

4) 28 m²

END OF BOOKLET A

Name:_____ (   )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2015 Semestral Assessment Two

Booklet B

27 October 2015

Booklet A :	/ 40
Booklet B :	/ 60
Total :	/ 100

_____
Parent's/Guardian's Signature

## TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **15** printed pages including the cover page.

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

21.   Round off 71 469 to the nearest hundred.

Ans : _____

22.   What is the remainder when 1067 is divided by 7?

Ans · _____

23.   Some factors of 42 are 1, 2, 3, 6, 7, and 42. What are the other two factors of 42?

Ans : _____ and _____

2
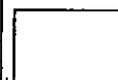
24. What is the value of $\frac{3}{4} + \frac{5}{8}$?

Express your answer as a mixed number.

Ans : _____

25. What is the missing number in the box?

$$\frac{3}{6} = \frac{\boxed{?}}{18}$$

Ans : _____

26. Round off 25.49 to the nearest whole number.

Ans : _____

27. Write the decimal represented by Y.

0.61   0.62

Y
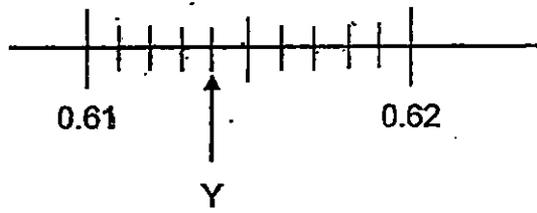
Ans : _____

28. Find the value of 4.89 × 6.

Ans : _____

4
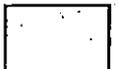
29. In the figure shown, PQRS is a rectangle. Find ∠URT.

P   T   Q

U

                    58°

S   R

        8°
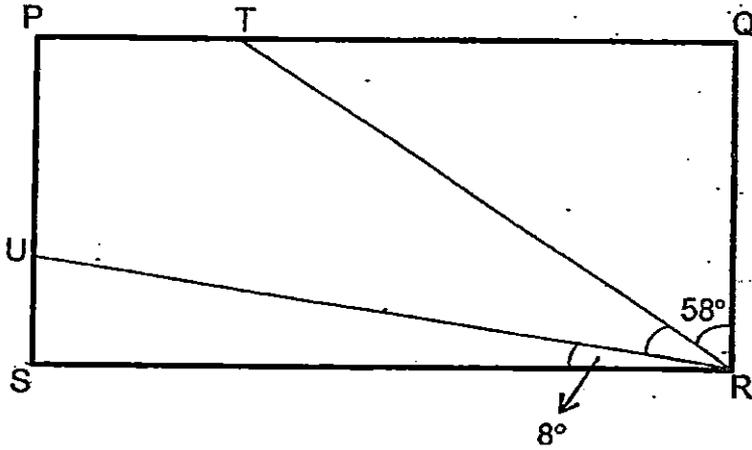
Ans : _____ °

30.

$$11.42 = 11 + \dfrac{21}{\boxed{?}}$$

The missing number in the box is _____ .

Ans : _____

31. Mrs Tan has 24 pupils in her class. She wants them to work in groups for an activity. What is the total number of different ways that she can arrange her pupils, so that each group has the same number of pupils? (Note: no one is allowed to work individually)

Ans : _____

32. Lucinda took a flight from Seoul to Singapore. When it was 07 00 in Seoul, it was 06 00 in Singapore. The flight was 7 hours 15 minutes long. When Lucinda landed in Singapore, the clock in the airport showed 18 05. What was the time in Seoul when Lucinda's flight departed? Express your answer using the 24-h clock.

Ans : _____
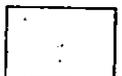
33. The table below shows the amount of time some pupils spent on track practices in a week.

Name of Pupils	Time spent (h)
Nitha	9
Thomas	17
Kathy	15
Benson	8
Kewen	16
Timmy	12

a) How many students spent more than 12 hours on their track practices in a week?

Ans : _____

b) What is the total amount of time spent by the pupils on their track practices in a week?

Ans : _____ hours
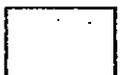
34. The following is a symmetric figure. Draw a line to show the line of symmetry.
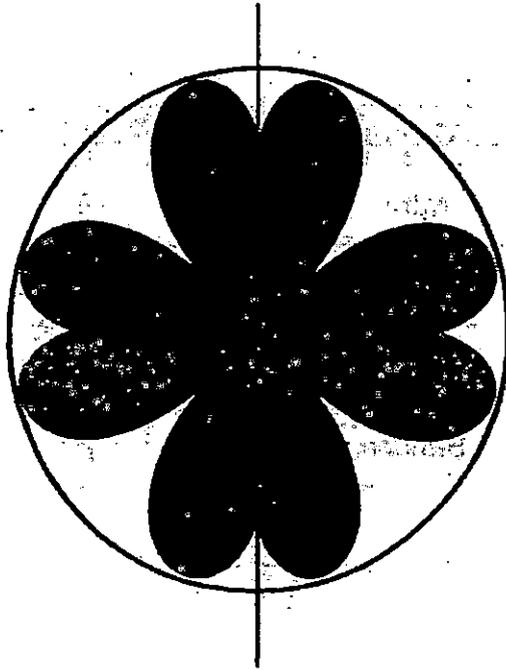
35. Lina put 120 eggs on some big trays and small trays. She put 6 eggs on each big tray and 4 eggs on each small tray. She used the same number of big trays and small trays. How many trays did Lina use altogether?

Ans : _____

36. There are 60 blue balls and 24 red balls in a basket. $\frac{2}{3}$ of the blue balls are dented. All the red balls are not dented. How many more red balls than blue balls are **not** dented?

Ans : _____

37. Using a set-square, draw a line perpendicular to AB through the point X.
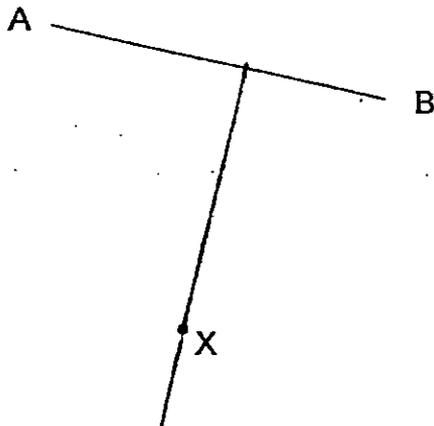
38. 2 similar packets of cherries cost $7.90. How much do 8 such packets of cherries cost?

Ans : $ _____

39. Flyn is facing north-west now. What is the angle that she must turn anti-clockwise to face east?

Ans : _____ °
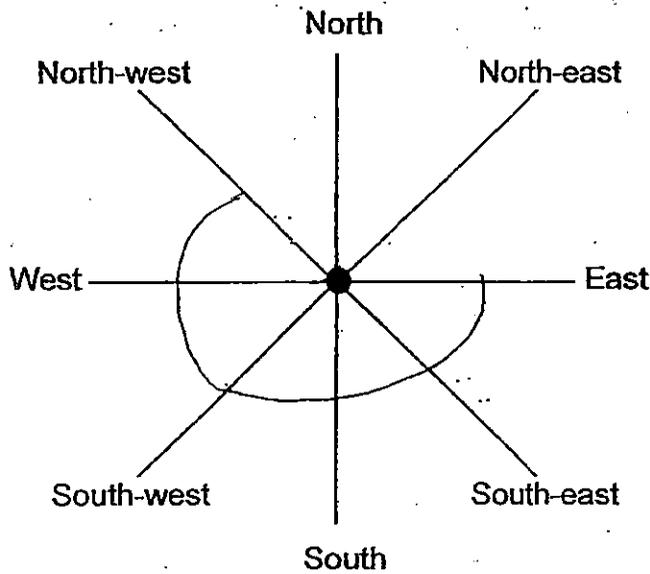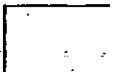
0. The pattern below shows part of a tessellation.
Study the tessellation carefully.
Shade the two unit shapes that are tessellated **incorrectly.**
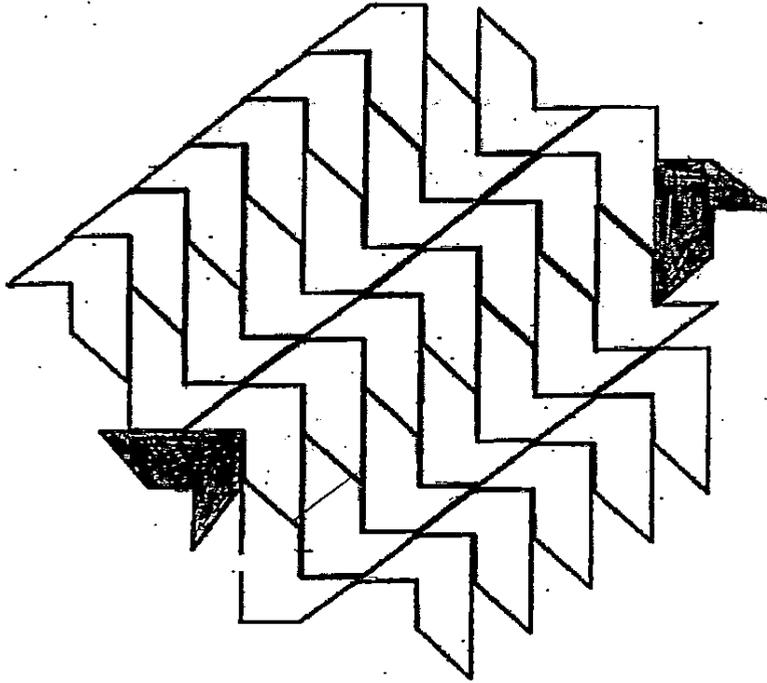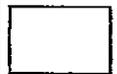
Section C: (20 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

41. Ted baked 3129 muffins. He packed the muffins into 60 big boxes of 28 muffins each. Then he packed the remaining muffins into small boxes of 9 muffins each. How many small boxes of 9 muffins did Ted pack altogether?

Ans : _____ [3]

42. Josie bought a roll of pink cloth. She used 12 m of the cloth to make new curtains for her house. She had $\frac{1}{4}$ of the cloth left. How much cloth did she buy?

Ans : _____ [3]

43. Roy needs to fence up the plot of land as shown below. Every metre of fencing material costs $3. How much does he need to pay to fence up the plot of land? (All the lines meet at right angles)

3 m

4 m

7 m

11 m
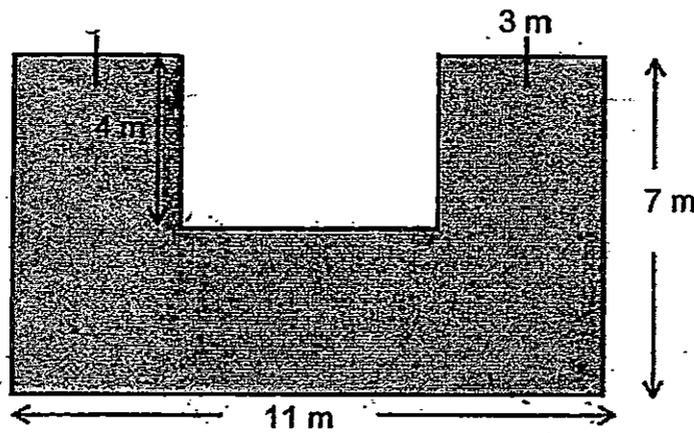
Ans : _____ [3]

44. Yoshi prepared some fruit punch for his party. For the fruit punch, he put in 1.23ℓ of syrup and 4 times as much water as syrup. He then poured the fruit punch equally into 8 glasses. How much fruit punch were there in each glass? Round off your answer to 2 decimal places.

Ans : _____ [3]

45. Mr Thio spent $960. This was $\frac{4}{9}$ of his salary. Mrs Thio's salary was $600 less than Mr Thio's salary. What was Mrs Thio's salary?

Ans : _____ [4]

46. The figure below is made up of identical rectangles. The length of the rectangle is twice of its breadth. The area of the figure is 256 cm². What is the perimeter of the figure?
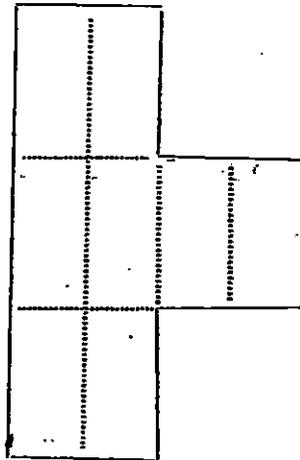
Ans : _____ [4]

EXAM PAPER 2015
LEVEL   : PRIMARY 4
SCHOOL   : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM   : SA2

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

Q21. 71500   Q22. 3   Q23. 21 and 14 ➜ 42 ÷ 3 = 14

Q24. 1⅜   Q25. 9   Q26. 25   Q27. 0.614

Q28. 29.34 ➜ 4.89 x 6 = 29.34   Q29. 24° ➜ 58+8=66, 90 – 66=24

Q30. 50   Q31. 6 ways ➜ 24÷ 4=6, 24÷ 6=4, 24 ÷3=8, 24÷ 8=3, 24÷ 2 = 12, 24 ÷12=2

Q32. 1150   Q33a. 3 students

Q33b. 77 hours ➜ 17+ 9 = 26, 15+8=23, 16+12=28, 28+26=54, 54+23=77

Q34. SEE PICTURE   Q35. 24 trays 6+4=10, 120÷10=12, 12x2=24
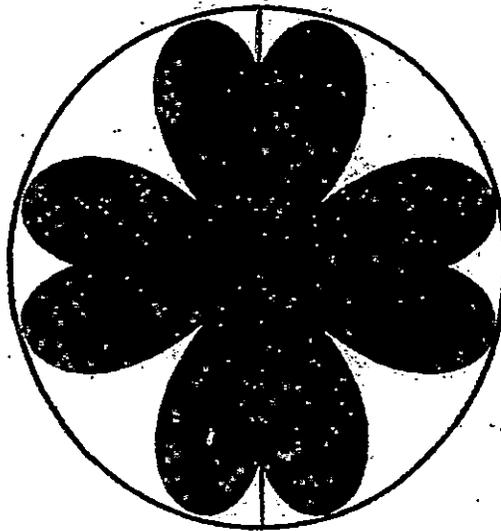
Q36. 4 red balls 20+20=40, 60-40=20, 24-20=4

Q37. SEE PICTURE
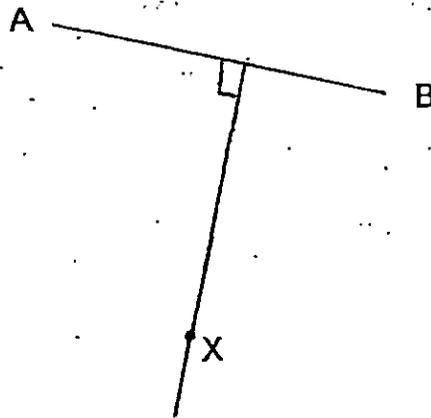
Q38. $31.60 8÷2=4, 7.90 x 4 = 31.60

Q39. 225°   **Q40. SEE PICTURE**
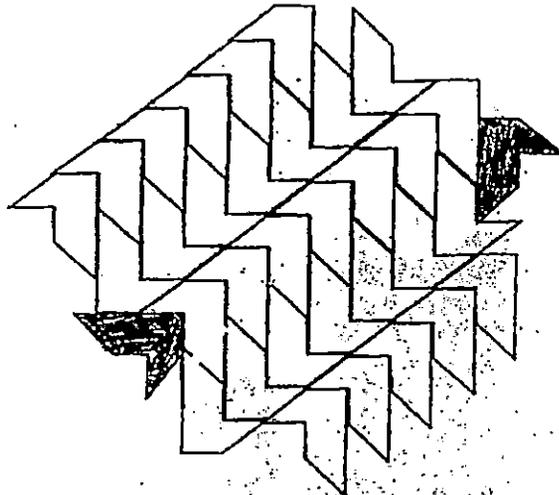
Q41. 161 small boxes 28x60=1680, 3129-1680=1449, 1449÷9=161

Q42. 16 metres 12÷3=4, 4x4=16

Q43. $132 11=11=22, 4+4=8, 22+8=30, 7+7=14, 30+14=44, 44x3=132

Q44. 0.77 litres 1.23 x 4=4.92, 4.92 x 1.23=6.15, 6.15÷8 ≈ 0.788, 0.768 ≈ 0.77

Q45. $1560 960÷4=240, 240x9=2160, 2160 – 600=1560

Q46. 80cm 256 ÷8=32, Breath 4cm , Length 8cm , 20x4 = 80

THE END