NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2006

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/ 100

Name: _____ (   )

Class: Primary 4 (   )

Date: 2 November 2006

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A

Questions 1 to 20 carry 2 marks each. For each question, four choices are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.
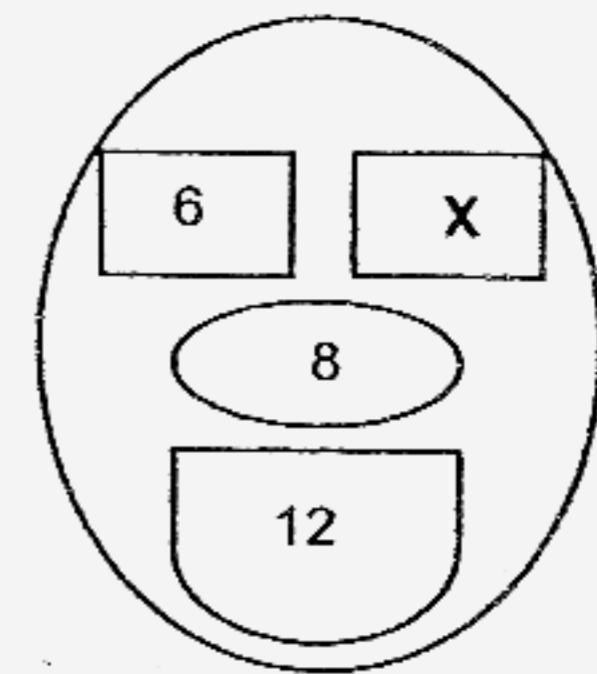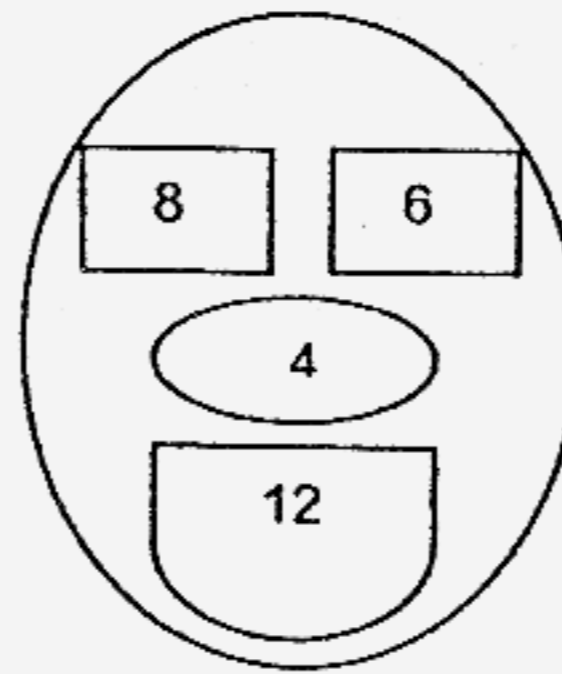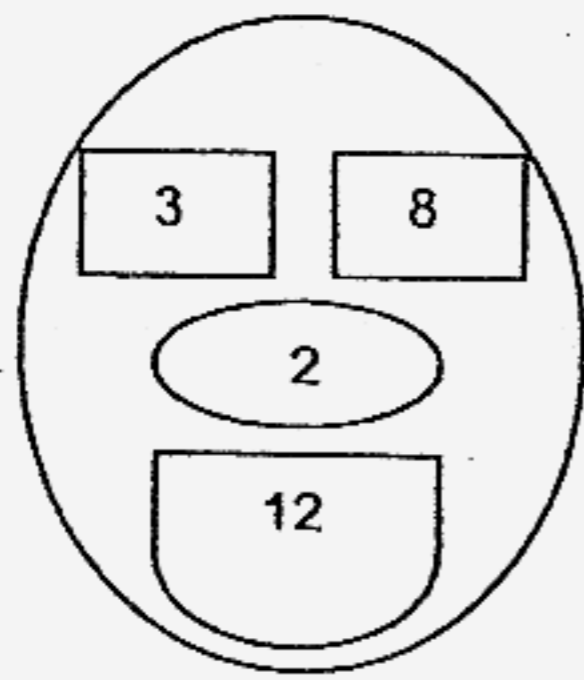
(Total: 40 marks)

1. Which of the following is **not** a multiple of 7?

(1)   35   (2)   42
(3)   63   (4)   74

2. Study the pattern below. What is the value of **X** in the last face?

(1)   16   (2)   2
(3)   3   (4)   4

3. After rounding off the result of a sum to the nearest hundred, the answer is 2500. Which of the following is most likely to be this sum?

(1)   25 hundreds + 60   (2)   24 hundreds + 50
(3)   24 thousands + 50   (4)   25 thousands + 50

4. Which of the following is the smallest?

(1) $\dfrac{3}{4}$ (2) $\dfrac{3}{5}$

(3) $\dfrac{3}{6}$ (4) $\dfrac{3}{7}$

1

5. In 426.098, which digit is in the hundredths place?

    (1) 8
    (3) 9

    (2) 2
    (4) 4

6. What is the sum of the values of the digit 1 and the digit 2 in the number 20.415?

    (1) 2.01
    (3) 20.01

    (2) 20.001
    (4) 20.1

7. The mass of 6 tins of longans is 2.65 kg. Find the mass of a tin of longans. Round off your answer to 1-decimal place.

    (1) 0.40 kg
    (3) 0.45 kg

    (2) 0.44 kg
    (4) 0.50 kg

8. The table below shows the time taken by 4 runners to complete a 200 m race.

Runner	Time taken
Aini	23.16 s
Caili	22.99 s
Elizabeth	23.08 s
Geetha	22.9 s

The difference in the time taken by the first 2 runners who completed the race is _____.

    (1) 0.08 s
    (3) 0.17 s

    (2) 0.09 s
    (4) 0.26 s

9. $30.6 \div 5$ is _____ more than 3.55.

    (1)   2.57   (2)   3.57
    (3)   6.12   (4)   9.67

10. Express 255 minutes in hours and minutes.

    (1)   2 h 55 min   (2)   4 h 15 min
    (3)   4 h 25 min   (4)   4 h 35 min

11. If I can buy 4 kg of sugar for $4.80, how much can I buy with $19.20?

    (1)   8 kg   (2)   12 kg
    (3)   14 kg   (4)   16 kg

12. Express $7\frac{1}{7}$ as an improper fraction.

    (1) $\frac{8}{7}$ (2) $\frac{15}{7}$

    (3) $\frac{49}{7}$ (4) $\frac{50}{7}$

13. Vincent spent $4.95 on each box of chocolate and $2.05 on each packet of cookies. How much did he spend on 3 boxes of chocolate and 3 packets of cookies?
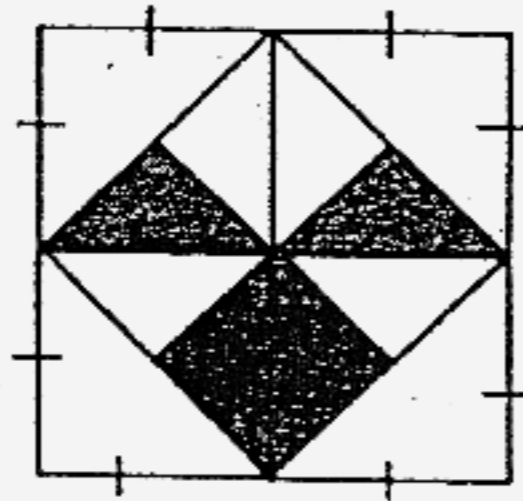
    (1) $14.85   (2) $20.50
    (3) $21.00   (4) $23.45

3

14. The solid is made up of 2-cm cubes. Find its volume.
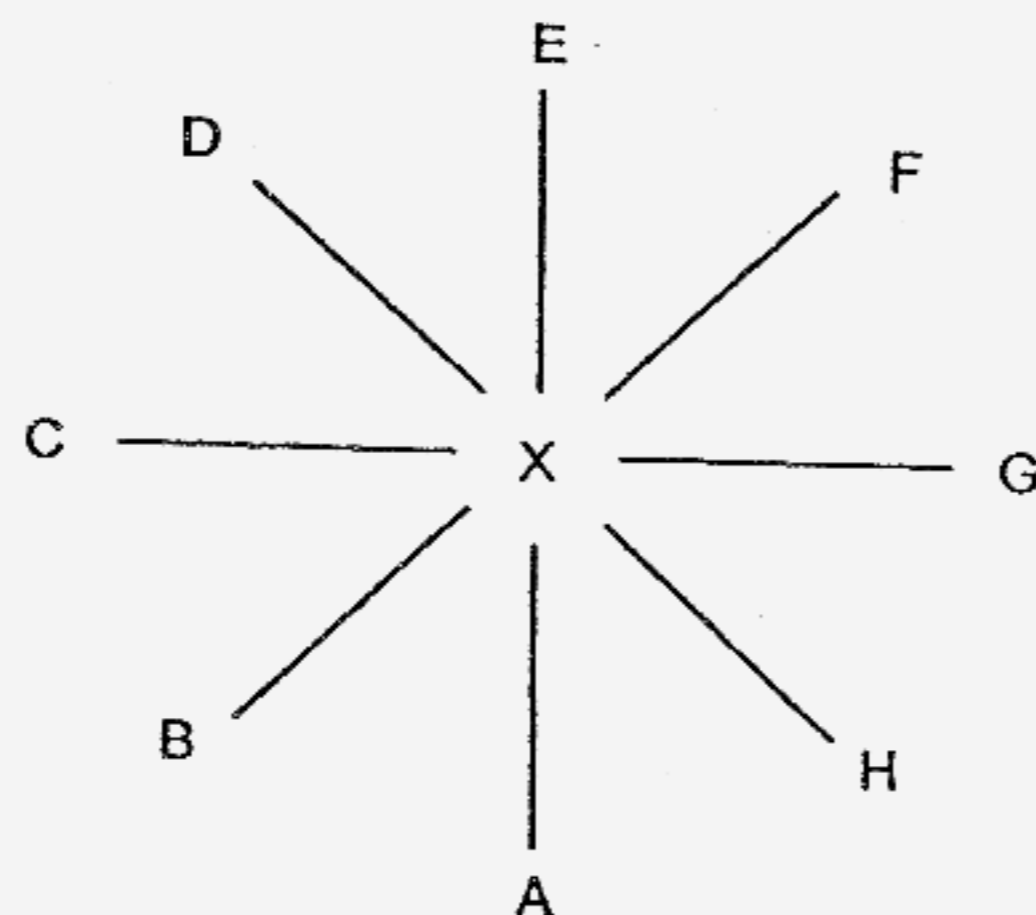
2 cm
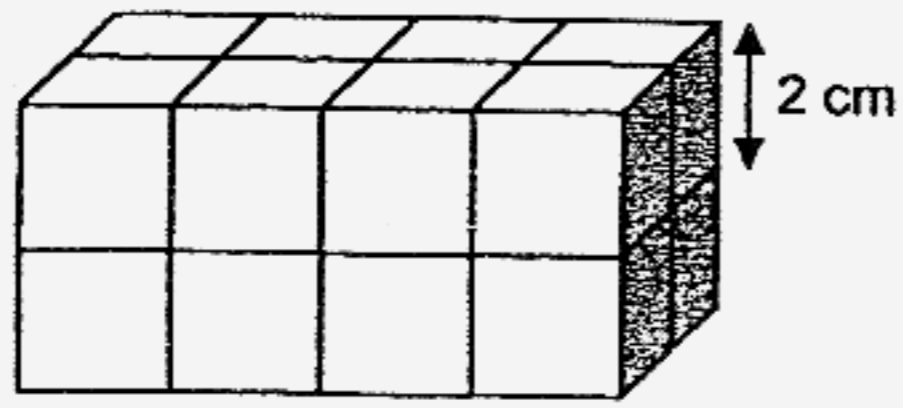
(1) 64 cm^3 (2) 96 cm^3
(3) 112 cm^3 (4) 128 cm^3

15. What fraction of the figure below is **shaded**?

(1) $\dfrac{3}{16}$ (2) $\dfrac{1}{4}$
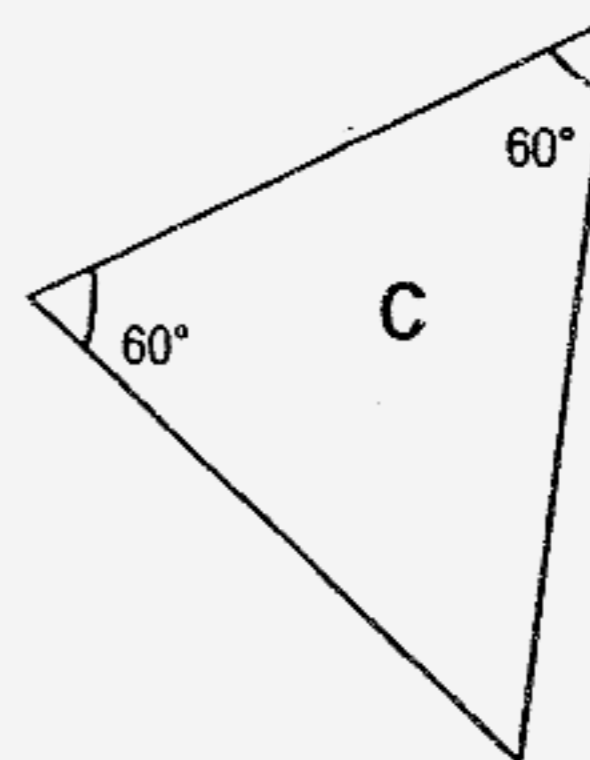
(3) $\dfrac{3}{8}$ (4) $\dfrac{3}{4}$

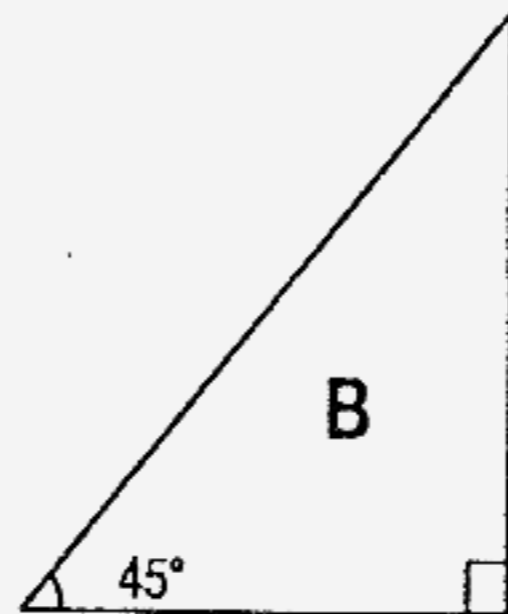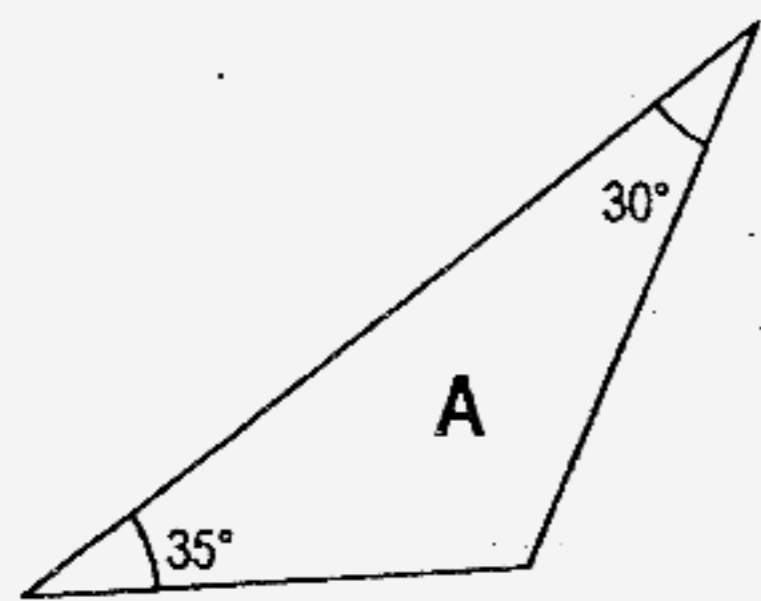16. A Girl Guide is standing at Point X and facing Point A. Which point would she be facing if she makes a $\frac{3}{4}$ turn to her right?

(1) C
(3) F

(2) D
(4) G

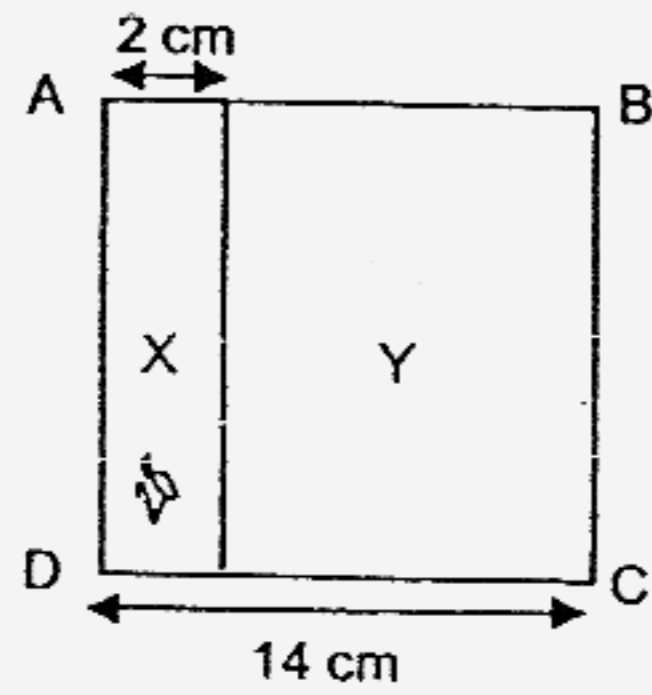17. How many pair(s) of perpendicular lines is/are there in the letters shown below?

M A T I X

(1) 1
(3) 3

(2) 2
(4) 4

18. Which of the following is/are isosceles triangle(s)?

(1) A only
(3) A and B

(2) C only
(4) B and C

5

19. Square ABCD is made up of Rectangle X and Rectangle Y. What is the area of Rectangle Y?

(1) 144 cm²
(3) 168 cm²
(2) 154 cm²
(4) 196 cm²

20. The table below shows the weekly earnings of 3 workers. What is the total earnings of the 3 workers in 4 weeks?

Name of Worker	Weekly Earnings
Christopher	$435
Johnny	$800
Alan	$1250

(1) $1740
(3) $7455
(2) $2485
(4) $9940

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

21. Use all the digits 8, 0, 9, 2 and 5 to form the **greatest** five-digit **odd** number.

Answer : _____

22. Study the number pattern below. What is the missing number in the box?

3	7	12	25
↓	↓	↓	↓
120	280	480	?
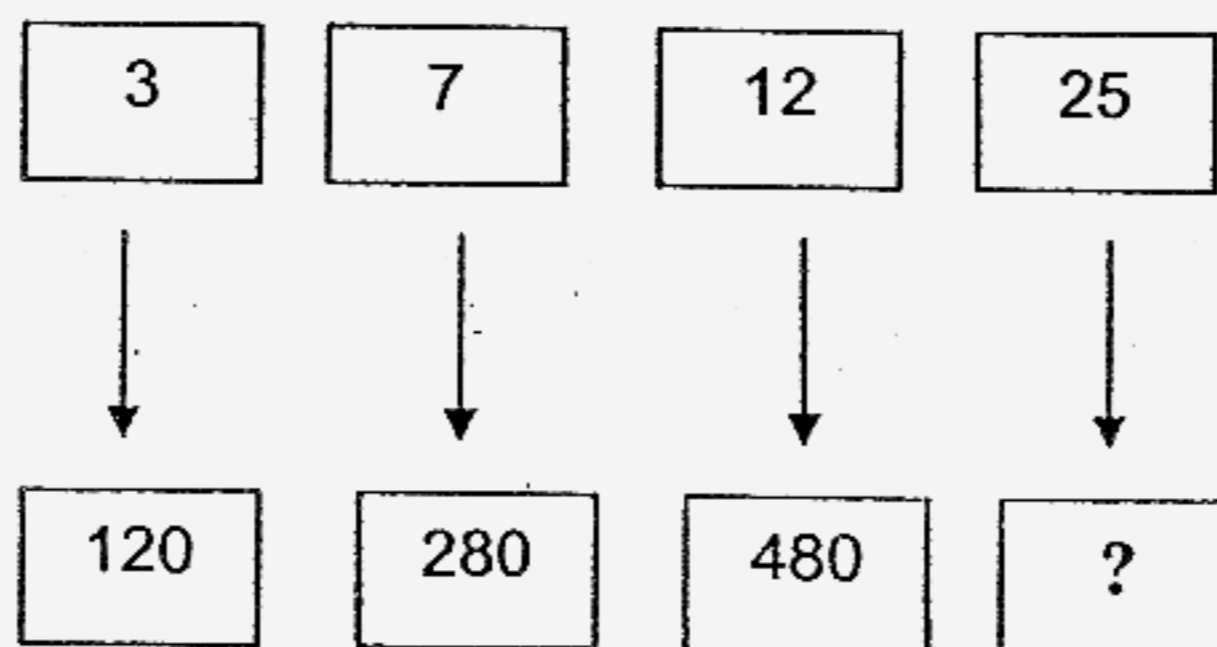
Answer : _____

23. What is the missing number in the box?

$$24 \times 13 = \boxed{?} \times 13 + 39$$

Answer : _____

24. There are some visitors at a fair. $\frac{5}{8}$ of the visitors are men, $\frac{1}{4}$ of the visitors are women and the rest are children. What fraction of the visitors are children?

Answer : _____

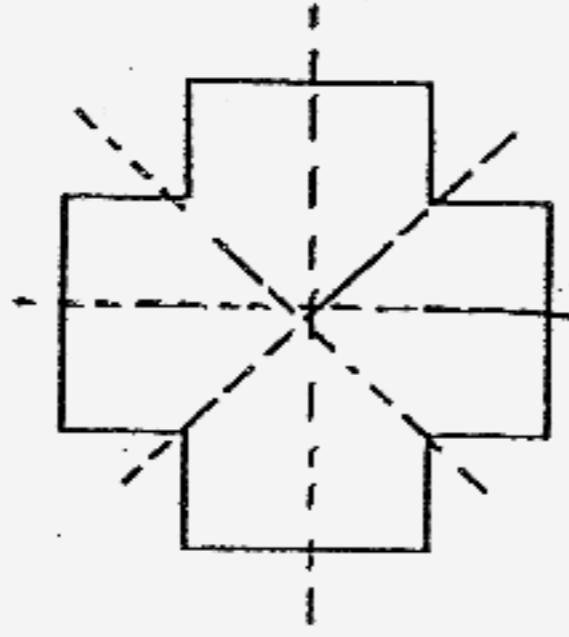25. What is 3 tens, 15 tenths and 6 thousandths in numerals?

Answer : _____

26. A bottle contains 1.28 l of orange juice. How many litres of orange juice are there in 8 such bottles?

Answer : _____ l

27. Annie has a mass of 23.4 kg. Her sister is 6.7 kg heavier than she. What is their total mass?

Answer : _____ kg

28. Study the figure below. How many line(s) of symmetry is/are there?

Answer : _____

29. Ten litres of water are poured into an empty rectangular tank measuring 40 cm long, 16 cm wide and 20 cm high. How much more water is needed to fill the tank to its brim? ($1\ l = 1000\ cm^3$)

Answer : _____ cm^3

30. $2\ l\ 80$ ml of orange juice can fill 8 identical mugs completely. How much orange juice can each mug hold?

Answer : _____ ml

31. When 3.09 is added to a number and the sum is multiplied by 3, the product is 21.42. What is this number?
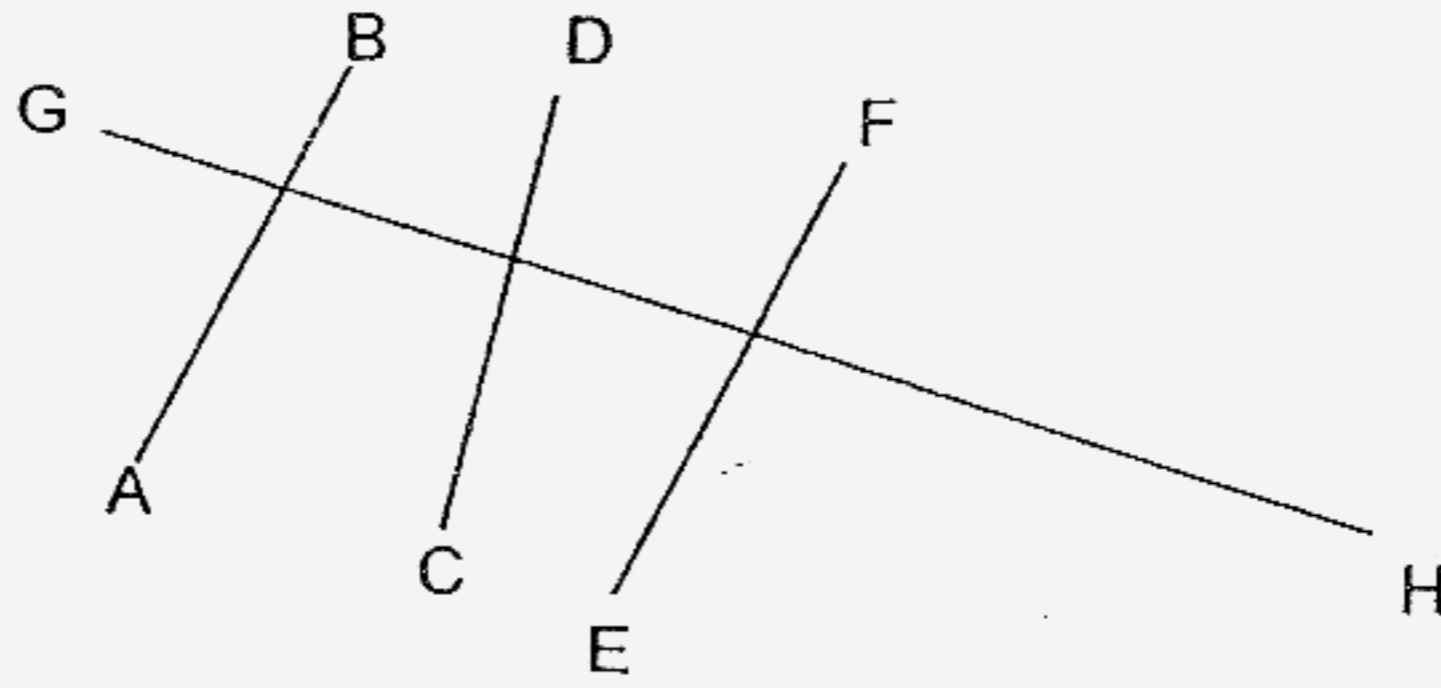
Answer : _____

32. Mrs Rani used 5 kg 500 g of sugar to fill 4 identical containers completely. How much sugar can each container hold?

Answer : _____ kg _____ g

33. Henry built a wooden fence around his garden which was 10 m long and 6 m wide. Stakes used for the fencing were placed 2 m apart. How many stakes did he use for the wooden fence?
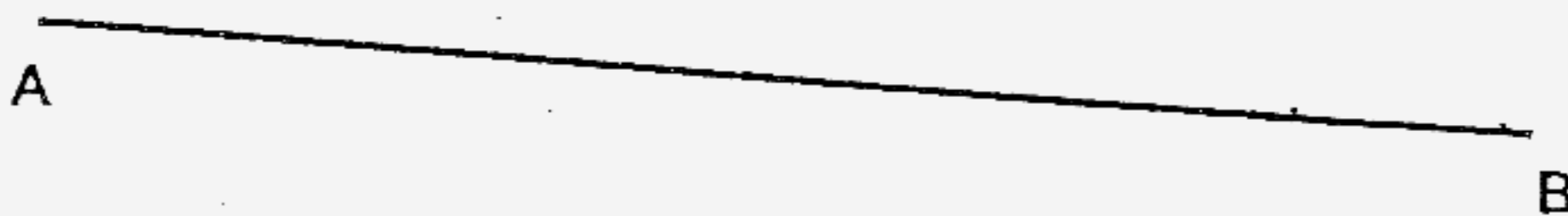
Answer : _____

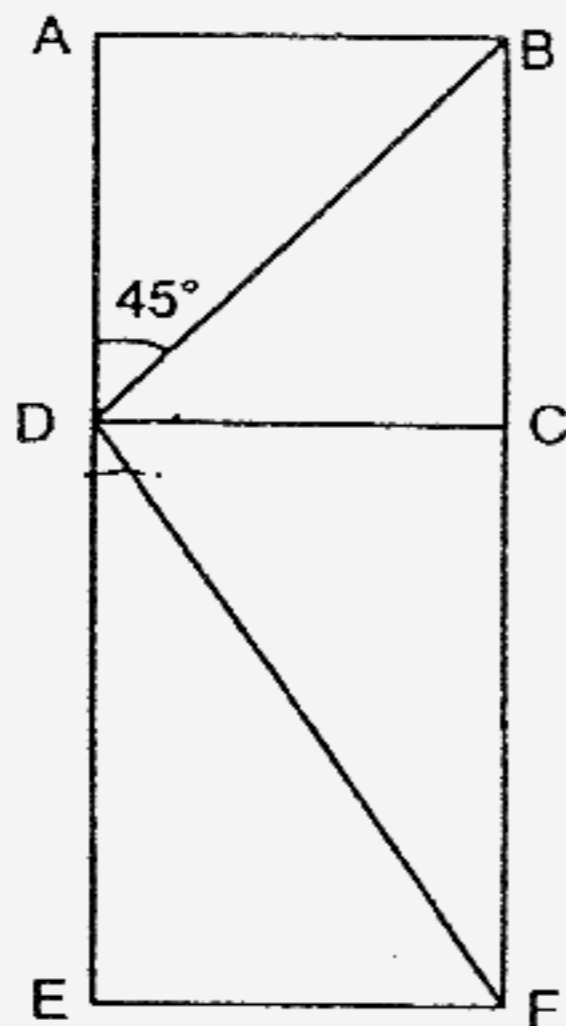34. Which of the following lines is parallel to Line AB?

B D
G F
A
C H
E

Answer : _____

35. Draw ∠ABC = 50°. The Line AB is drawn for you.

A
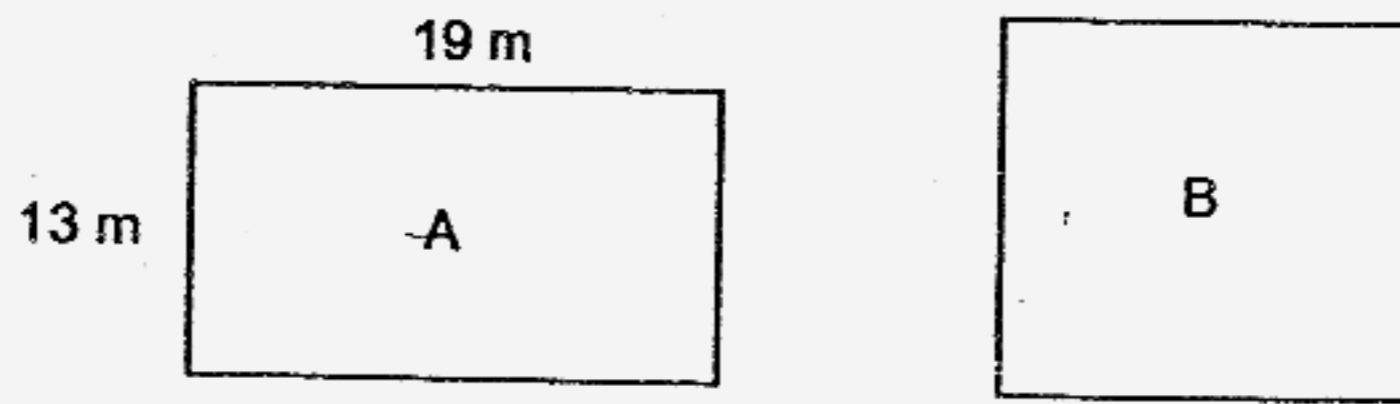B

36. Draw lines to match the figures with the correct names.

Trapezium •

Parallelogram •

Rhombus •

Square •

37. Rectangle ABFE is made up of Square ABCD and Rectangle CDEF.
    Find ∠ BDE.

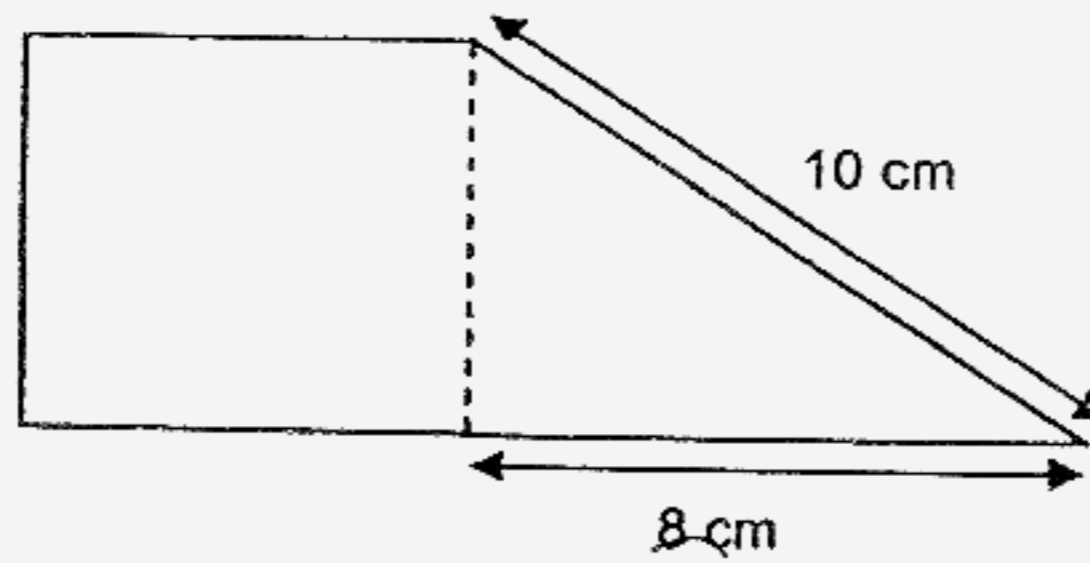Answer : _____

38. The perimeter of Square B is twice the perimeter of Rectangle A. Find the area of Square B.
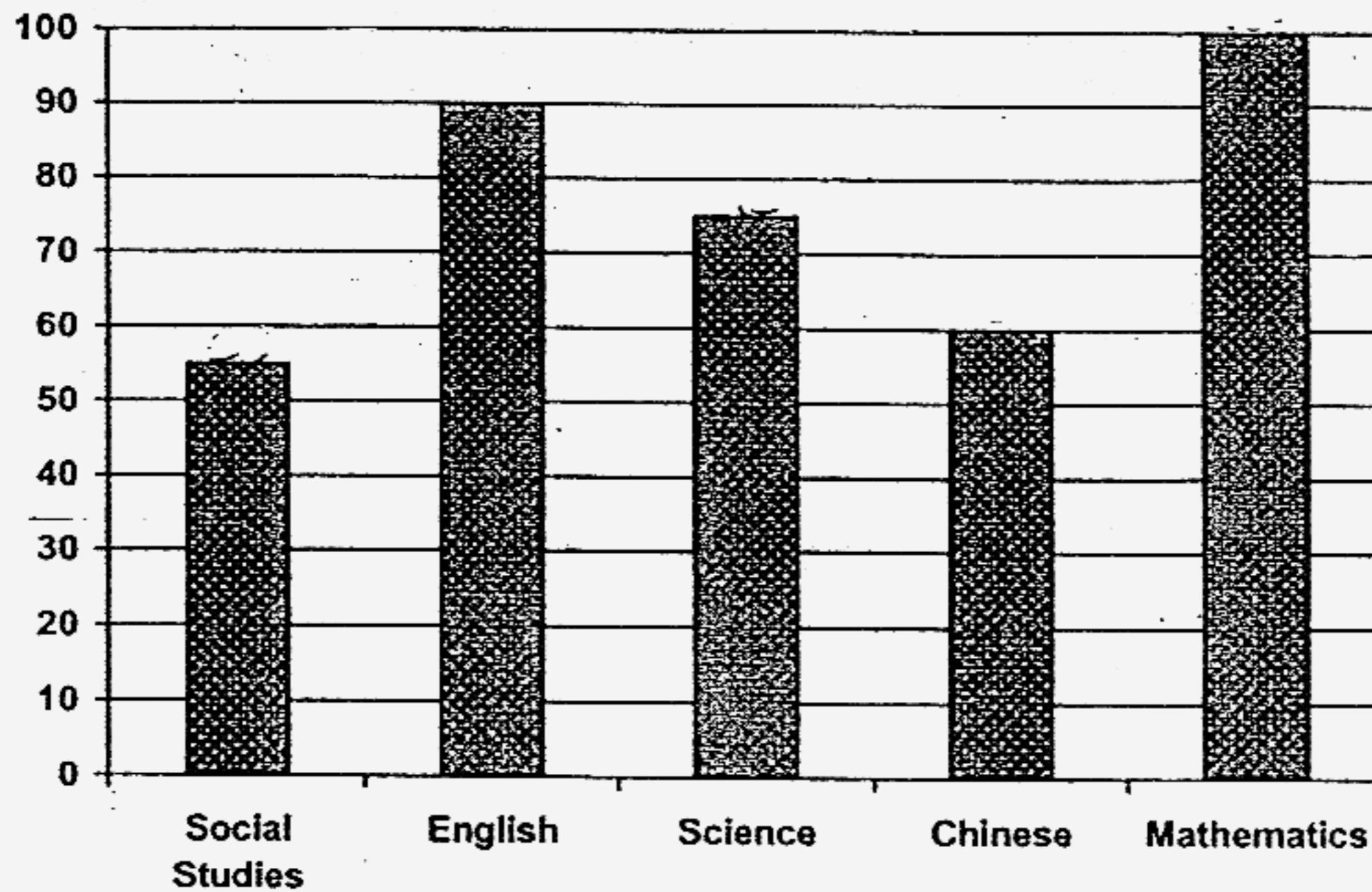
19 m

13 m | A

B

Answer : _____ m²

39. The figure is made up of a triangle and a square. The perimeter of the figure is 42 cm. Find the length of one side of the square.

10 cm

8 cm

Answer : _____ cm

40. The graph below shows John's marks in the second semestral examination. Study it carefully and answer the following questions.

(a) Which subject did John score $\dfrac{3}{5}$ of the highest possible marks?

Answer : _____

(b) What is the difference between John's highest and lowest marks?

Answer : _____

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working in the space provided.

(Total: 20 marks)

41. Joseph and Pauline have a total of $178. If Joseph gives Pauline $24, each of them will have an equal amount of money. How much money does Joseph have at first?
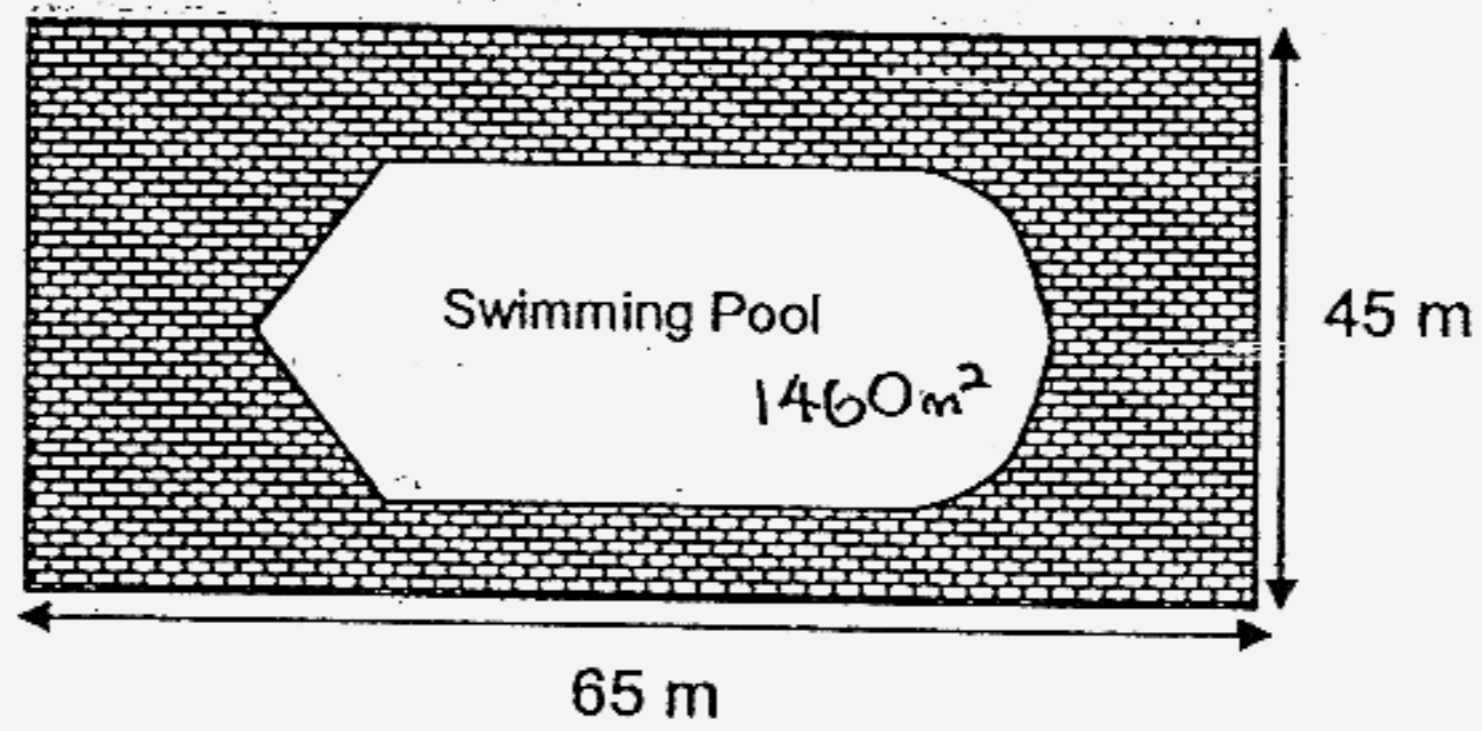
Answer :

42. Alice paid a total of $72 for a pair of earrings, a belt and a dress. The earrings cost $7.50 more than the belt. The dress cost thrice as much as the belt.

(a) Find the cost of the belt.
(b) Find the total cost of the dress and the pair of earrings.

Answer : (a) _____

(b) _____

43 A swimming pool is built within a rectangular plot of land measuring 65 m by 45 m. The area of the pool is 1460 m^2 and the area outside the pool is covered with tiles. If the cost of tiling 1 m^2 is $7, what is the total cost of tiling?

Swimming Pool
1460 m^2

45 m

65 m

Answer : _____

44   The number of children in a park was $\frac{7}{10}$ the number of adults. There were 36 more adults than children. After some children left the park, the number of adults in the park was 5 times the number of children who remained in the park. How many children left the park?

Answer : _____

45. Maria had 40 postage stamps with a total value of $25.00. Some were 50-cent stamps and the rest were 70-cent stamps. How many 50-cent stamps did Maria have?

Answer : _____

☺ *End of Paper* ☺
Please Check Carefully

Setters: Mdm Siti
              Miss Mavis Tan

1. 4
2. 1
3. 2
4. 4
5. 3
6. 3
7. 2
8. 2
9. 1
10. 2
11. 4
12. 4
13. 3
14. 4
15. 2
16. 4
17. 1
18. 4
19. 3
20. 4
21. 98205
22. 1000
23. 21
24. 1/8
25. 31.506
26. 10.24
27. 53.5 KG
28. 4
29. 2800CM3
30. 260ml
31. 405
32. 1kg 375g
33. 16 stakes
34. FE
35.

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        C
       /
      /
A ——— 50° \ B
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36)
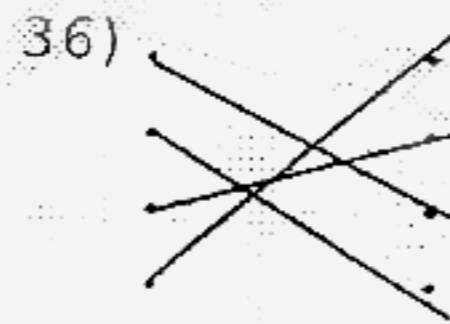
37) 135
38) 1024m2
39) 8cm
40) a) Chinese
    b) 45
41) 178÷2=89
    89-24=65
    89+24=113
    He had $113 at first.

42) a) 72-7.50=64.50
       64.50÷5=12.90
       The belt cost $12.90
    b) (12.90x4)+7.50=59.10
       Both of them cost $59.10

43) 65x45=2925
    2925-1460=1465
    1465x7=10255
    The total cost of the tiling is
    10255

44) 3 units→36
    1 unit→36÷3=12
    5 units→12x5=60 children

45) 15 50-cent coins.