# METHODIST GIRLS' SCHOOL (PRIMARY)
# END OF YEAR EXAMINATION 2007
# PRIMARY 4

# MATHEMATICS

## BOOKLET A

Name: _____ (        )

Class: P 4. _____

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

_____

DO NOT OPEN THE BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW THE INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

## SECTION A

For each question, four options 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.

20 marks

1. In 78 346, the digit 8 stands for _____.

   (1)    8 tens
   (2)    8 hundreds
   (3)    8 thousands
   (4)    8 ten thousands

2. Mr Chan bought a car for $65 995. What is this amount when rounded off to the nearest $100?

   (1)    $65 900
   (2)    $65 950
   (3)    $66 000
   (4)    $66 900

3. Which one of the following statements is **incorrect**?

   (1)    4 is a factor of 16.
   (2)    11 is a factor of 33.
   (3)    2 is a common factor of 36 and 54.
   (4)    6 is a common factor of 24 and 32.

1

4. The table below shows the number of seashells 5 children collected. How many children collected **at least** 55 seashells?

| | Siti | Gopal | Wei Ming | Shinta | Xiu Feng |
|---|---|---|---|---|---|
| Number of seashells | 55 | 65 | 54 | 75 | 50 |

(1)  5
(2)  2
(3)  3
(4)  4

5. The line graph shows the amount that Kelly saved over a period of five months.
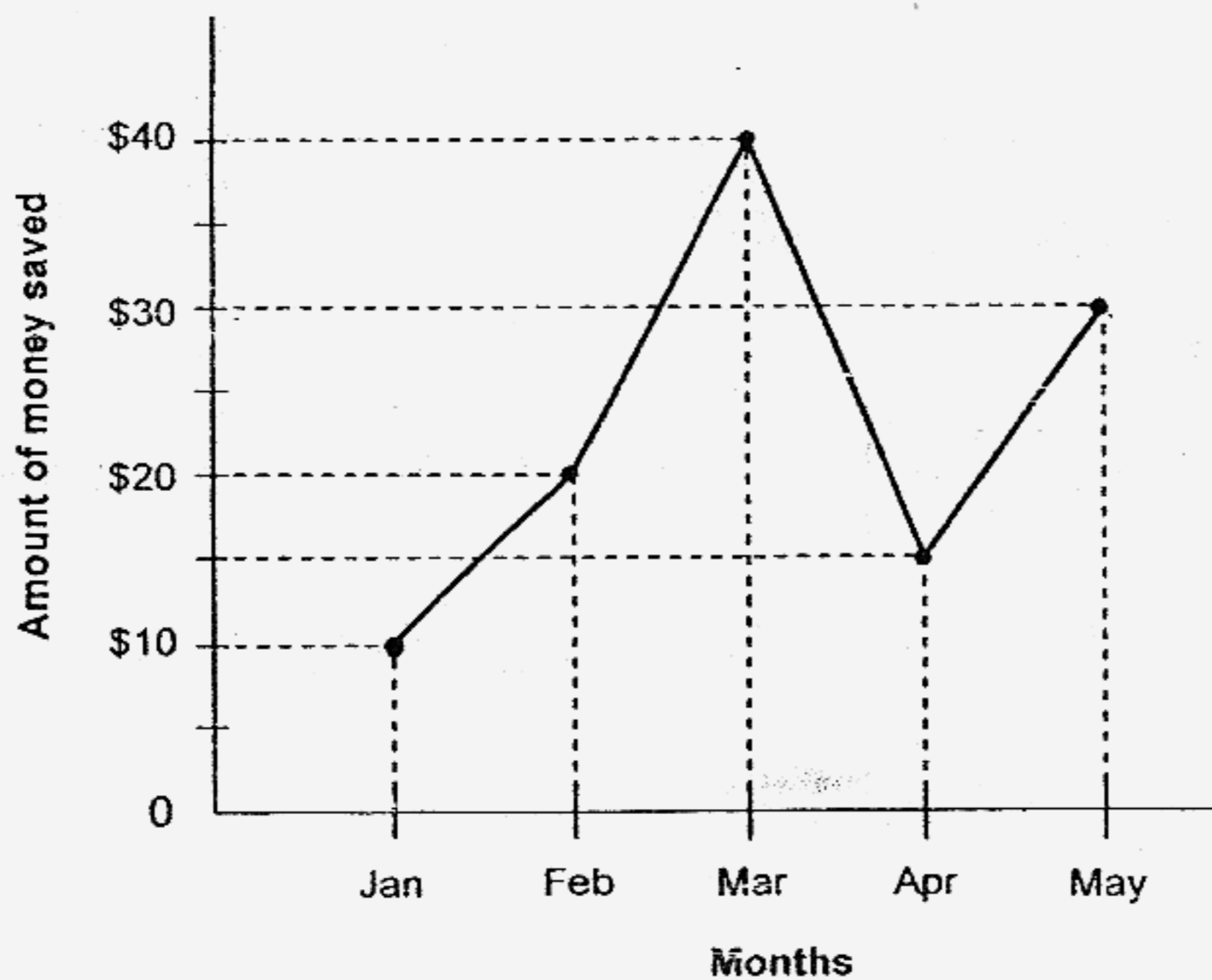


In which month did she save 3 times as much as she saved in January?

(1)  February
(2)  March
(3)  April
(4)  May

2

6. How many thirds are there in $4\frac{1}{3}$?
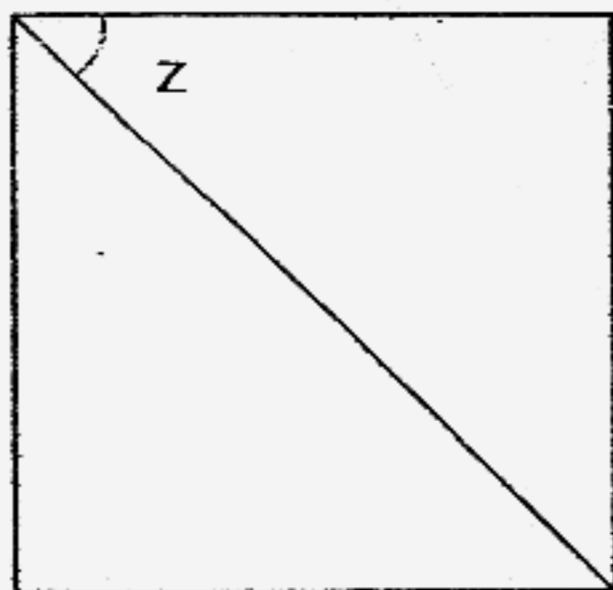
   (1)   12
   (2)   13
   (3)   ?4
   (4)   26

7. $8\frac{10}{9} - 3\frac{7}{9} = \boxed{\phantom{x}}$

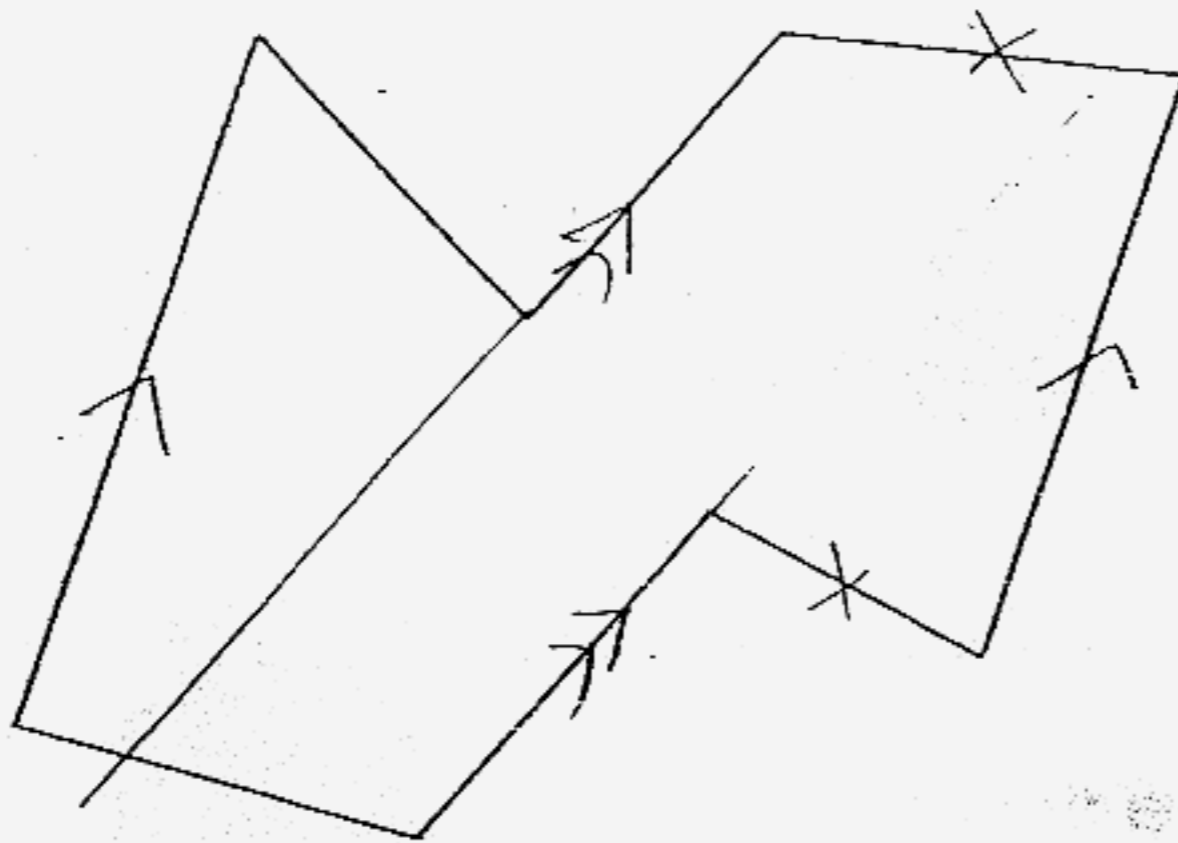   What is the missing fraction in the box?

   (1)   $2\frac{1}{3}$

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

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

   (4)   $3\frac{2}{3}$
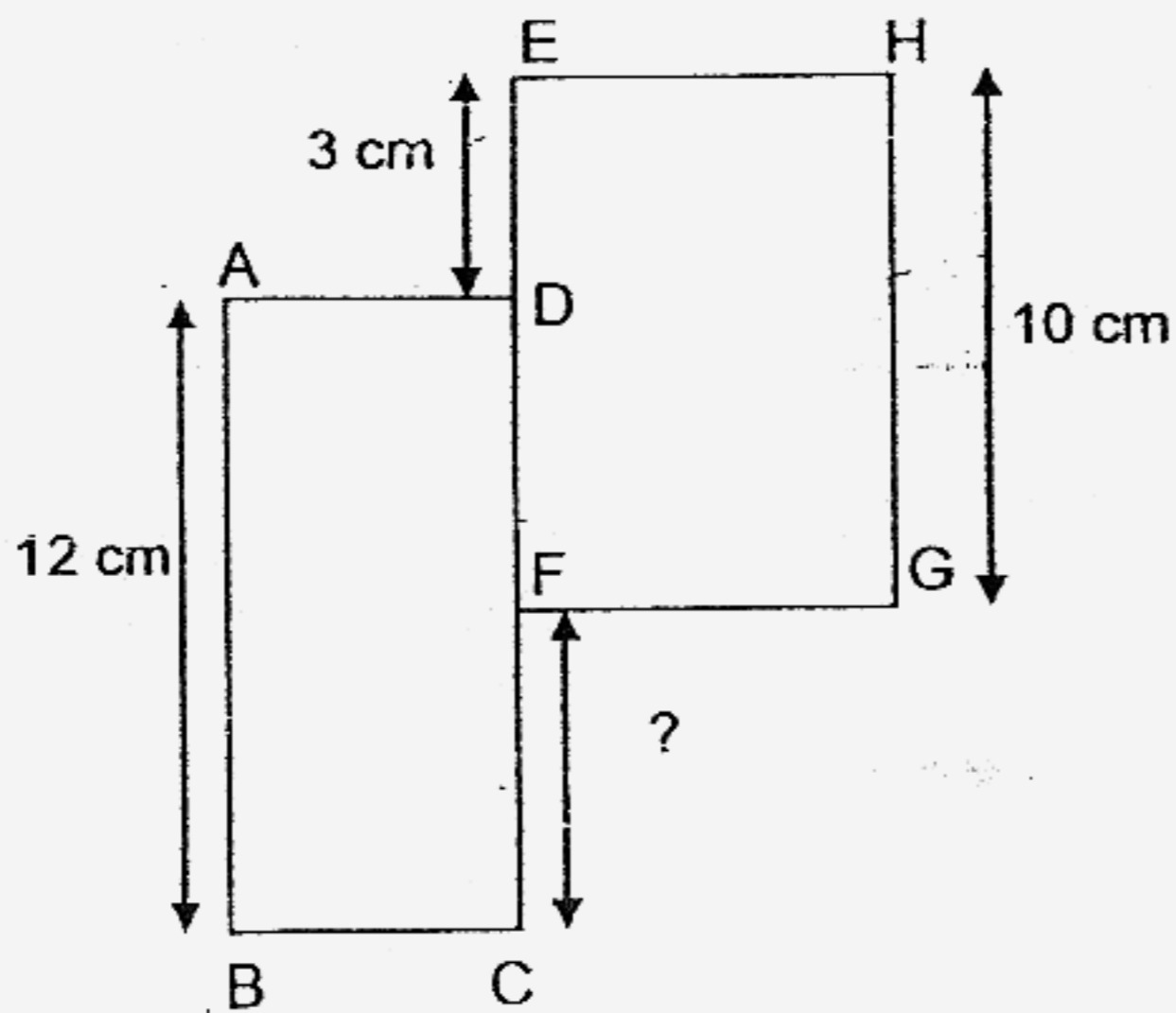
8. Given that the figure is a square, find $\angle z$.



   (1)   30°
   (2)   45°
   (3)   60°
   (4)   90°

3

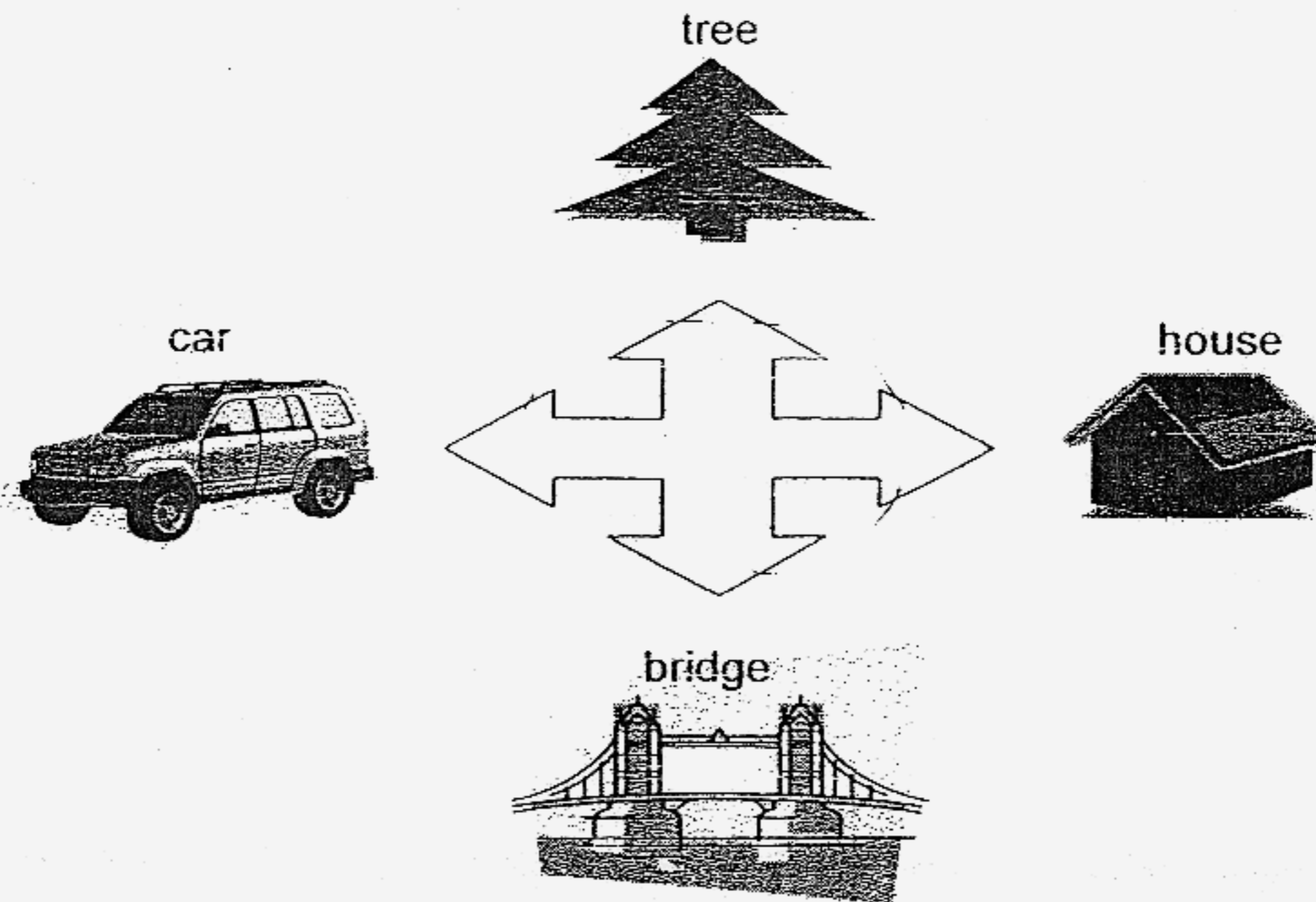9. How many pairs of parallel lines are there in the figure below?



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

10. The figure below is made up of two rectangles ABCD and EFGH. What is the length of CF?



(1) 8 cm
(2) 6 cm
(3) 5 cm
(4) 4 cm

4

11. Alice is facing the bridge. Where will she be facing if she makes a $\frac{3}{4}$ - turn in an anti-clockwise direction?

tree

car

house

bridge

(1) car
(2) tree
(3) house
(4) bridge

12. In 13.345, what is the value of the digit 4?

(1) 4 tens
(2) 4 tenths
(3) 4 hundreds
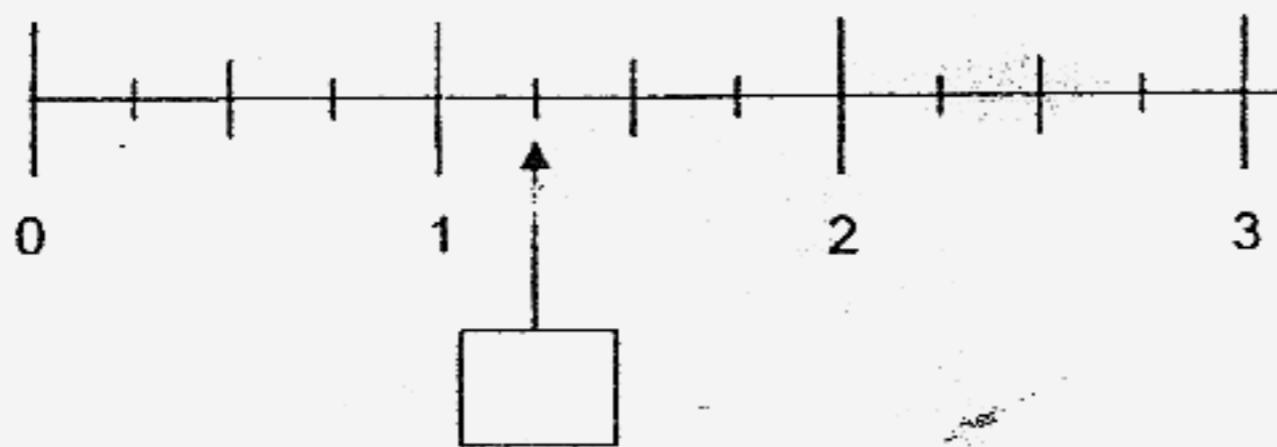(4) 4 hundredths

13. What is the missing sign in the box?

0.010 ☐ 10 = 0.001

(1) +
(2) -
(3) ×
(4) ÷

5

14. The sum of two numbers is 77.26.
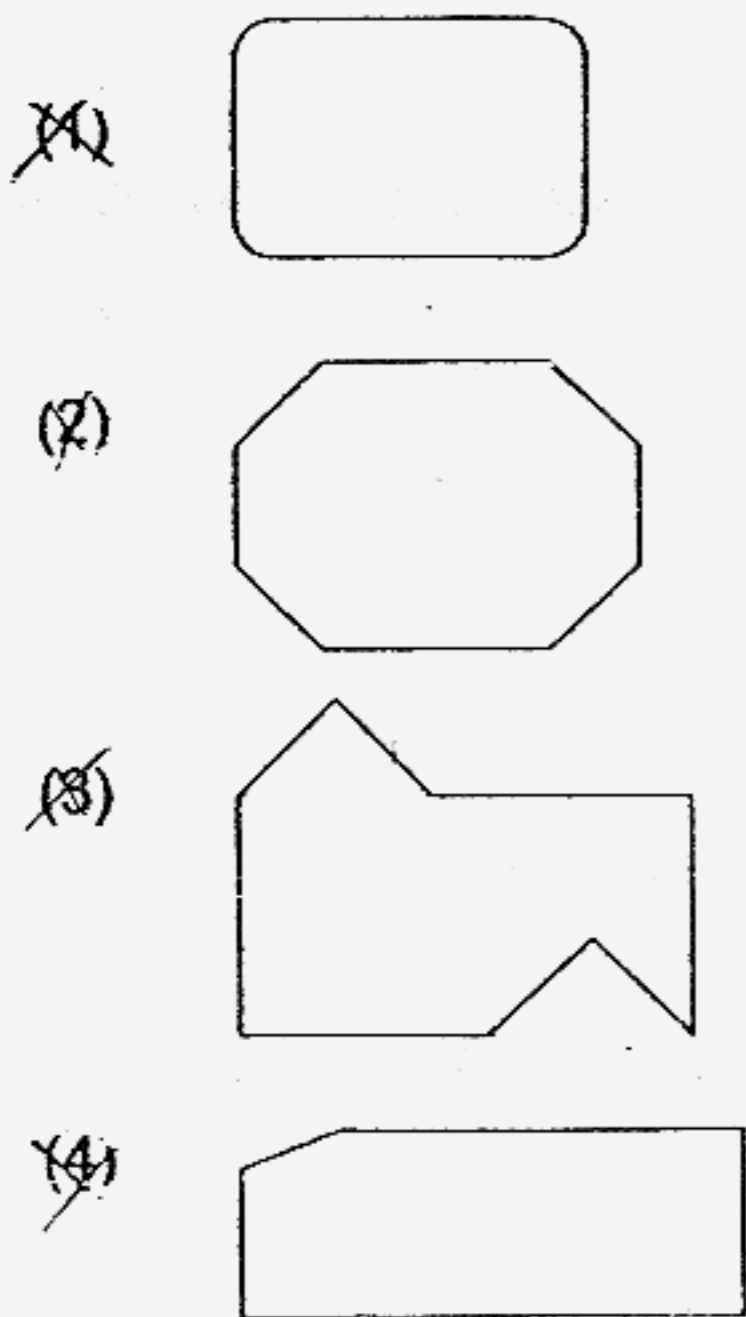    The bigger number is 16.48 more than the smaller number.
    Find the bigger number.

    (1)   30.39
    (2)   46.87
    (3)   55.11
    (4)   60.78

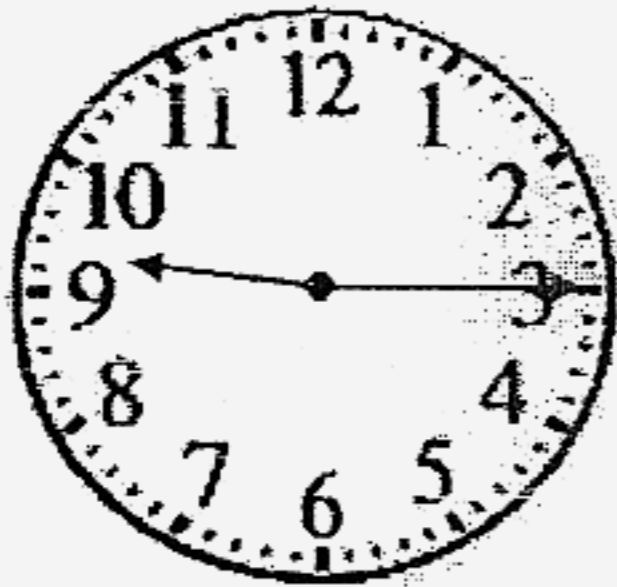15. In the number line below, what is the number in the box?



    (1)   0.5
    (2)   1.5
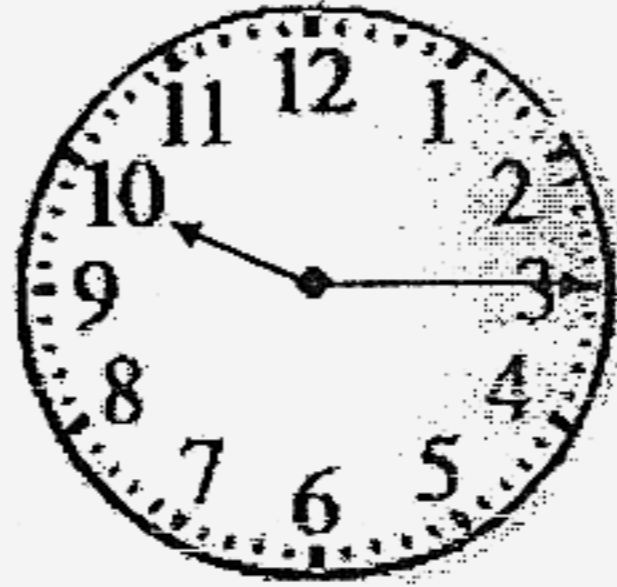    (3)   0.25
    (4)   1.25
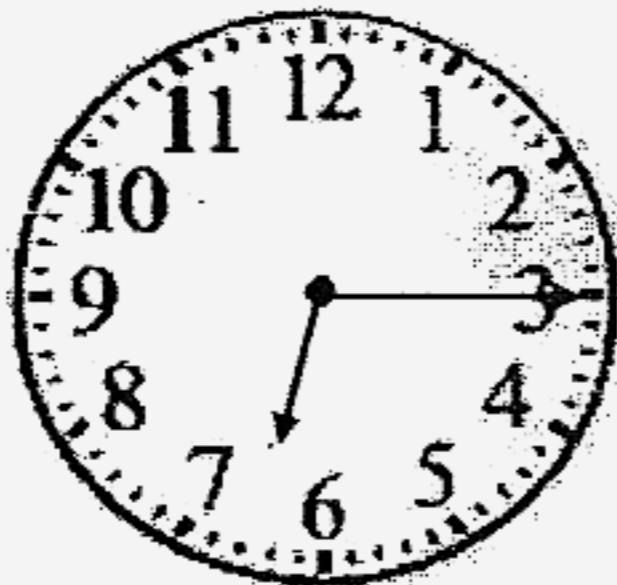
16. Which one of the following shapes can tessellate?



6

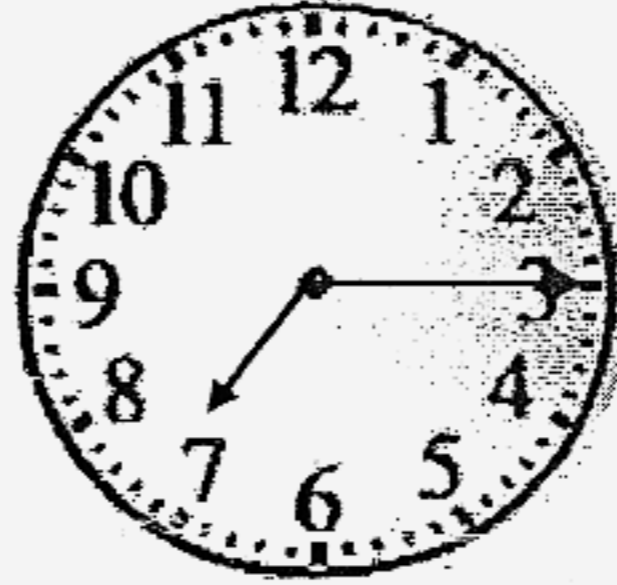17. Which one of the following clocks shows the time 19 15?
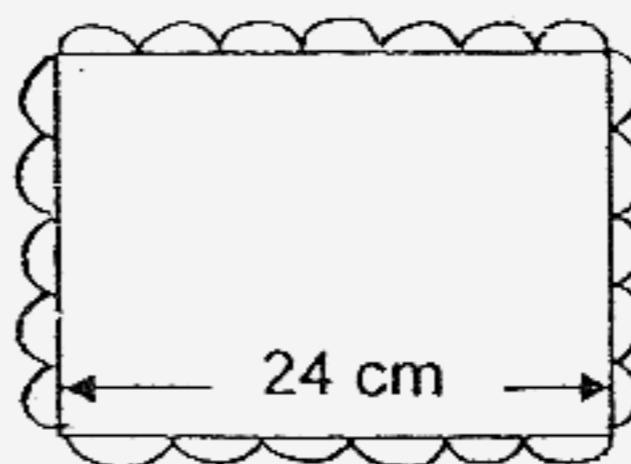


Clock A



Clock B



Clock C



Clock D

(1) Clock A
(2) Clock B
(3) Clock C
(4) Clock D

18. Mary jogged 3 times round a rectangular track measuring 45 m by 30 m. What was the distance she jogged?
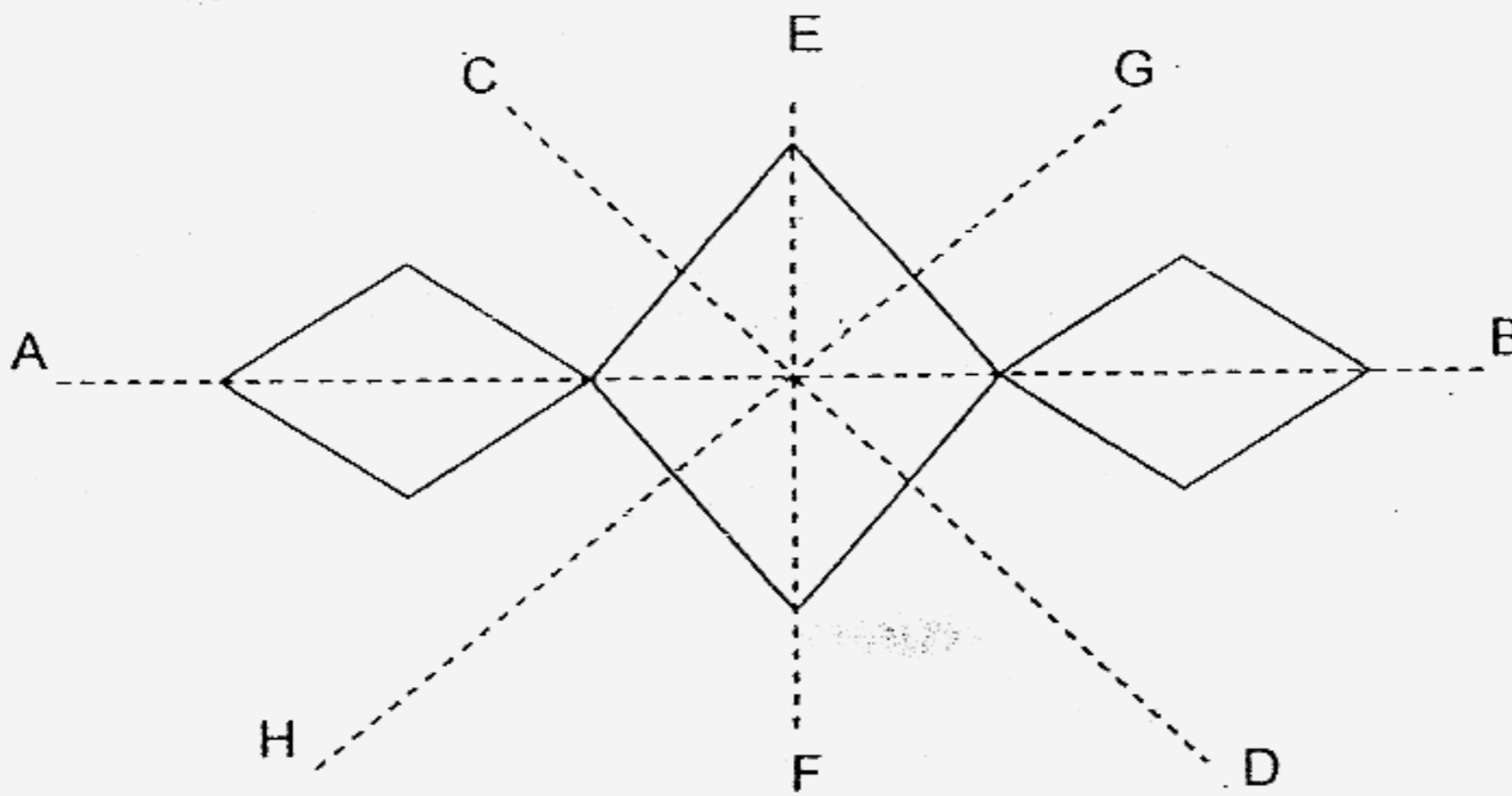
(1) 150 m
(2) 225 m
(3) 450 m
(4) 1 350 m

19. 72 cm of lace is used to decorate the border of a picture frame. What is the width of the frame if its length is 24cm?

(1) 3 cm
(2) 6 cm
(3) 12 cm
(4) 24 cm



24 cm

7

20. Which 2 lines are the lines of symmetry?



(1) AB and CD
(2) AB and GH
(3) AB and EF ✓
(4) CD and GH ✗

# METHODIST GIRLS' SCHOOL (PRIMARY)
## END OF YEAR EXAMINATION 2007
## PRIMARY 4

# MATHEMATICS

## BOOKLET B

Name: _____ (     )

Class: P 4. _____

| Booklet B (40) | |
|---|---|
| | |

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

DO NOT OPEN THE BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW THE INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

## SECTION B

**Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.**

                                                                    **20 marks**

21.    $46\,580 = 40\,000 + 6\,000 + $ _____ $ + 80.$
       What is the missing number?

22.    A number is between 20 and 30. It is also a multiple of 3.
       When it is divided by 5, the remainder is 2. What is the number?

23.    Tom has 3 times as many stamps as Ali.
       If Tom has 240 stamps more than Ali, how many stamps does Ali have?

9

24. The bar graph shows the amount of money a baker earned in a particular week by selling muffins in his confectionery.
If he earned $2 for every muffin sold, how many **more** blueberry muffins than peanut ~~butter~~ muffins did he sell that week?
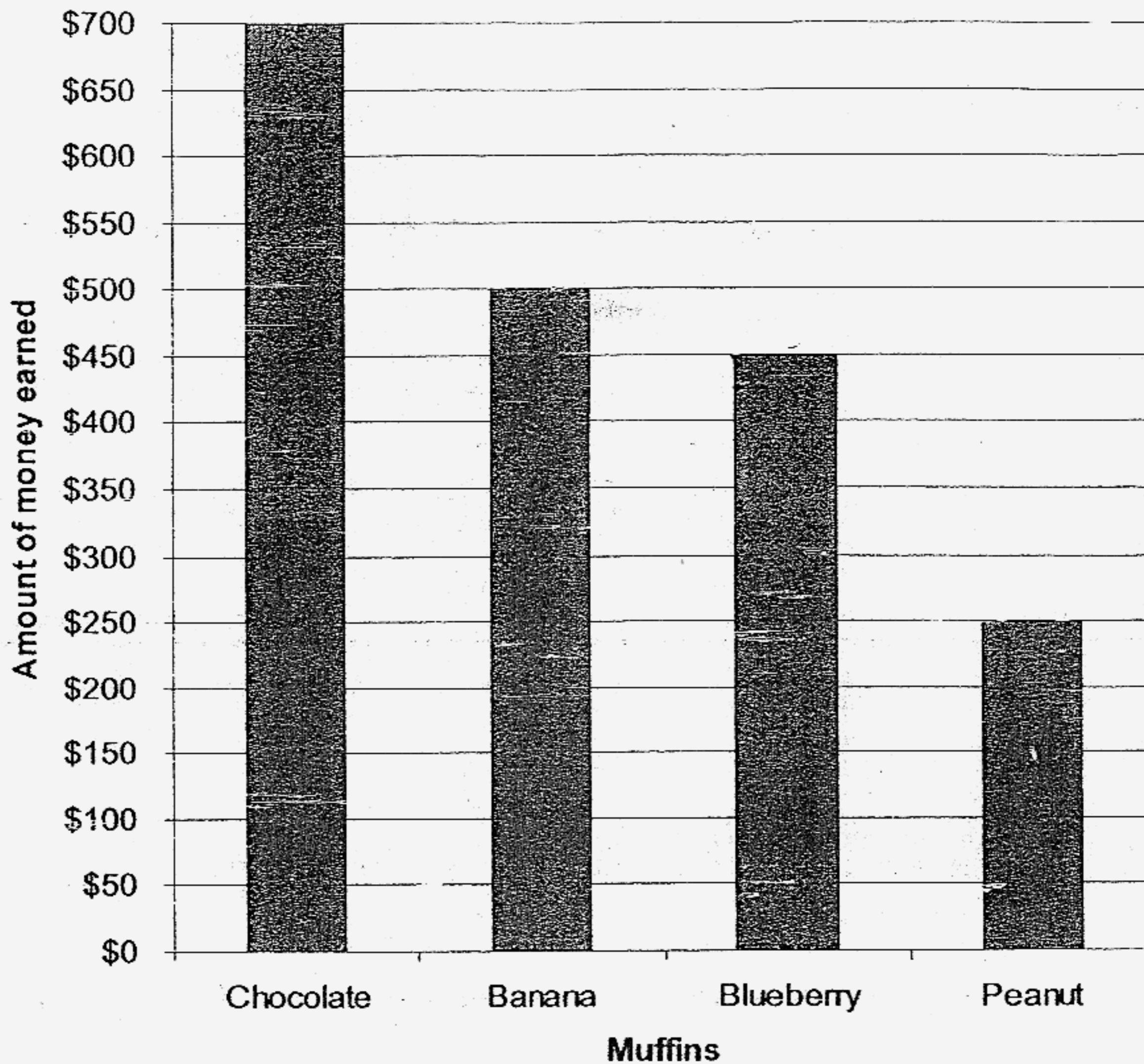
25. The table below shows the number of passes in English, Mathematics, Science and Mother Tongue in Primary 4B.
If there are 40 pupils in the class, how many **more** pupils passed English than Mathematics?
Express your answer as a fraction of the whole class in its simplest form.

| Subject | Number of passes |
|---|---|
| English | 38 |
| Mathematics | 33 |
| Science | 36 |
| Mother Tongue | 40 |

26. $1\dfrac{5}{6} - \dfrac{2}{3} = \boxed{\phantom{xx}} + \dfrac{1}{3}$

What is the fraction in the box?

27. For each of the following statements, put a tick ( √ ) for a correct statement and a cross ( X ) for an incorrect statement.

| | |
|---|---|
| i) $\dfrac{5}{8}$ is greater than $\dfrac{3}{4}$ | |
| ii) $\dfrac{1}{2}$ is smaller than $\dfrac{1}{3}$ | |
| iii) $\dfrac{1}{4}$ is equal to $\dfrac{3}{12}$ | |
| iv) $\dfrac{3}{5}$ is smaller than $\dfrac{3}{10}$ | |

28. A safe requires three 2-digit numbers to unlock.
The first number is twice the second number.

The third number is $\dfrac{1}{2}$ of the second number.

The difference between the first and third number is 33.
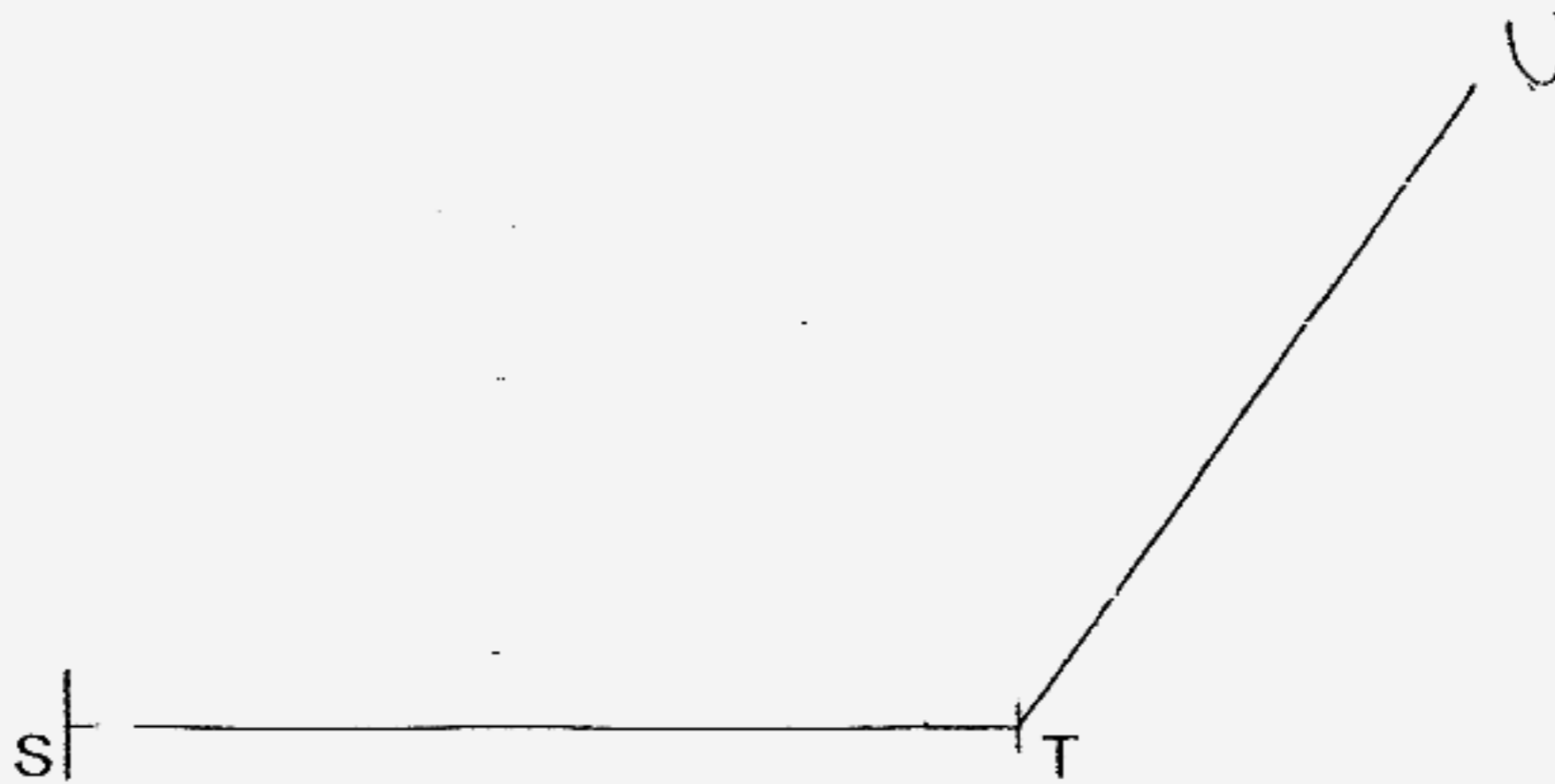What is the second number?

29.   Using a set square and a ruler,
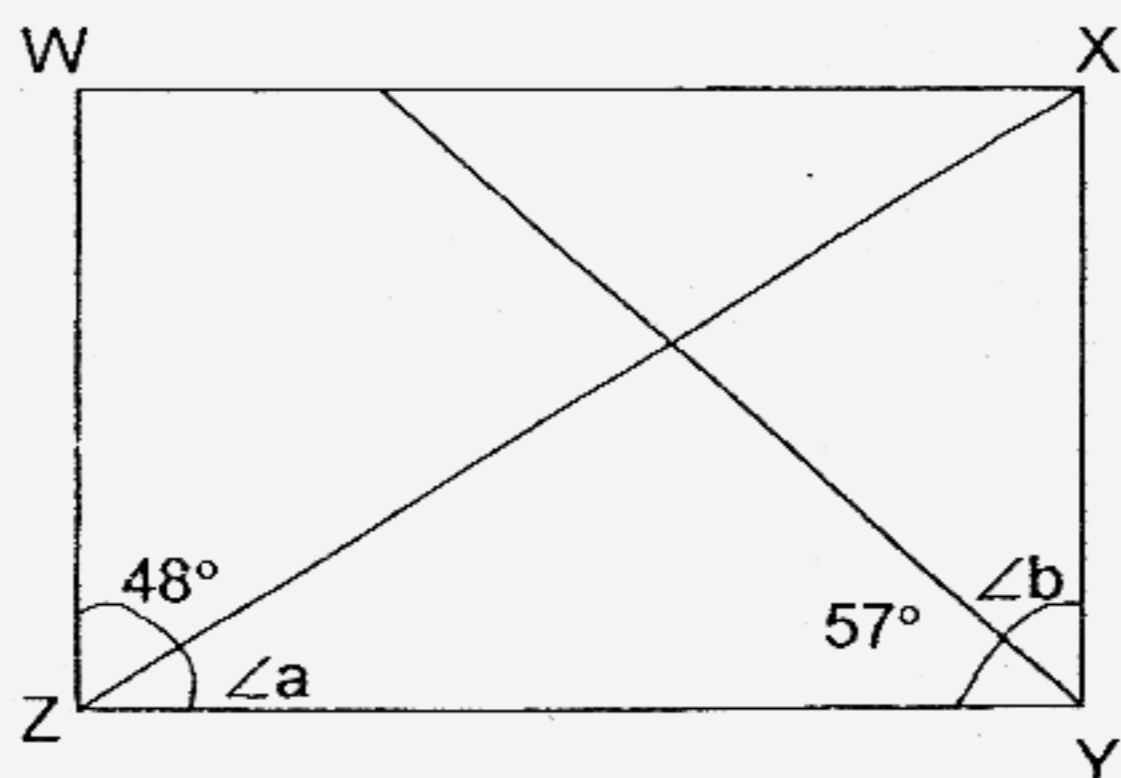      a) draw a line EF perpendicular to the line AB.

A————————————————————— —————————B
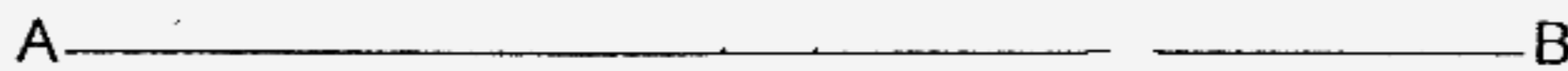
b) draw a line GH parallel to AB through X.

X
————————————— ————————————————

A——————————————————>————————————B
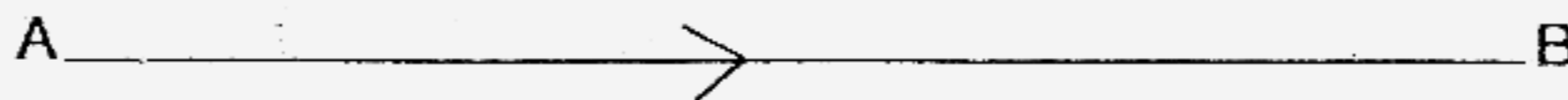
30.   Given that ∠STU = 125°, draw the angle with your protractor and label it.

U

S|——————————————————|T

13

31. WXYZ is a rectangle. Find the sum of ∠a and ∠b. .

W X

48° ∠b
57°
∠a
Z
Y

_____

32. The figure below is made up of 2 squares, BCDE and ABFG. Find the length of AB.C

G F

6cm

10cm

E D

4cm

A B C
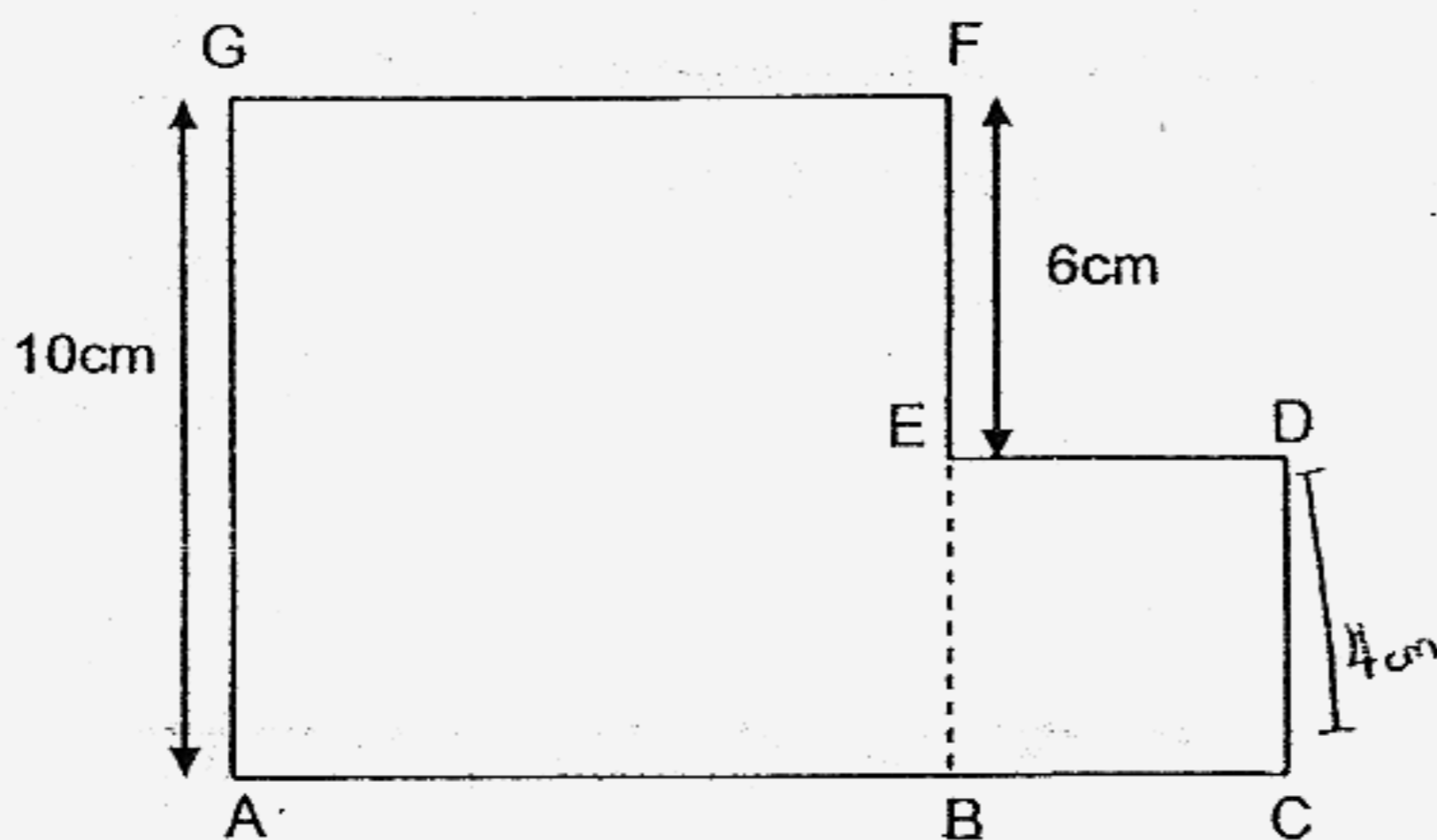
_____ cm

33. Find the difference between 24.09 and 12.12.
Round off your answer to the nearest tenth.

34. Complete the number pattern below.

Express your answer as a decimal.

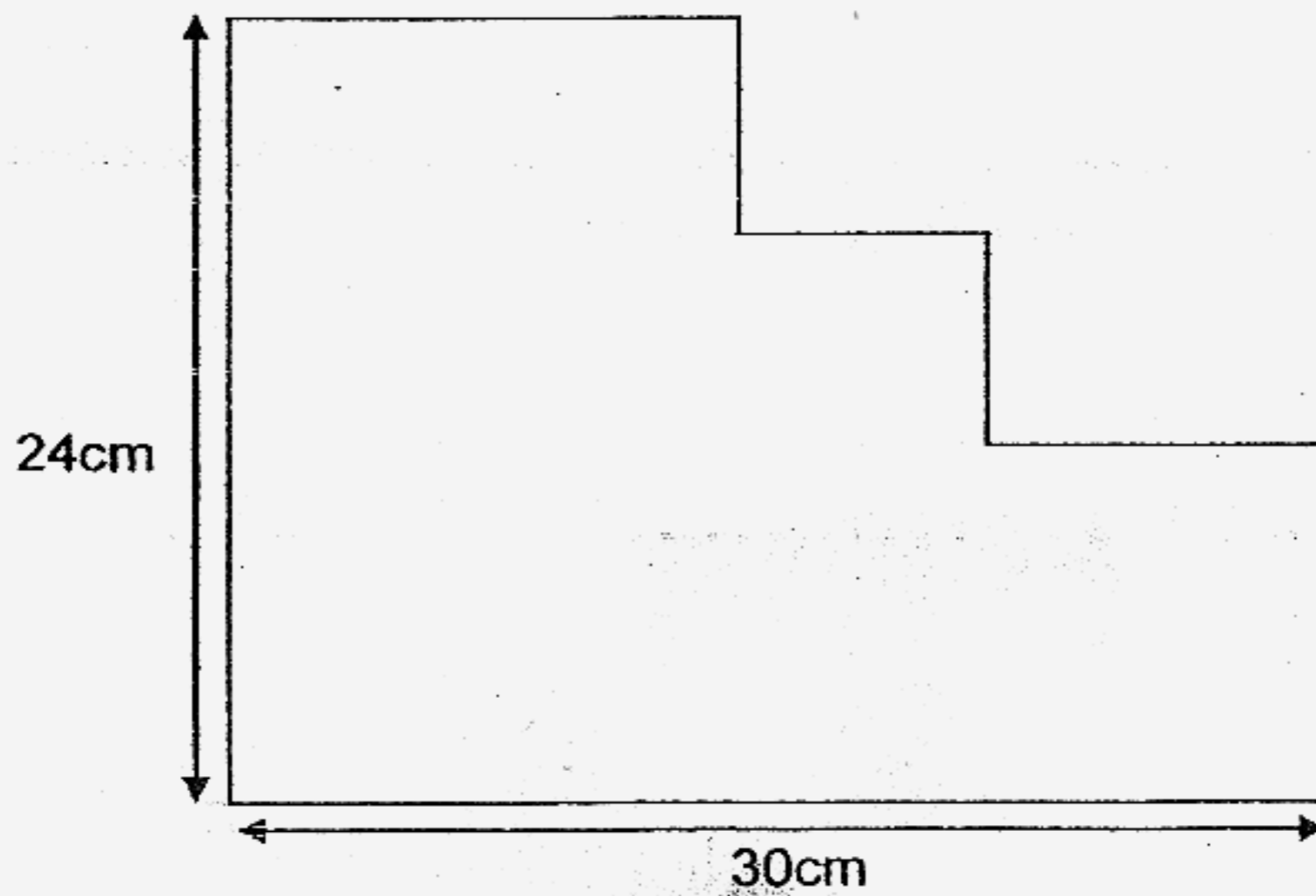$$\frac{3}{10}, \ \frac{3}{5}, \ 0.9, \ \underline{\hspace{3cm}}, \ 1\frac{1}{2}$$

_____

35. A movie lasted for 1 hour and 45 minutes.

If it ended at 14 15, what time did the movie start?

Express your answer using the 24-hour clock.

```
┬──────────────────────────────────┬
                                  14 15
                                  end
```

_____

15

36. When it is 09 00 in Singapore, it is 11 00 in Melbourne. Madam Rohaya called her husband who was working in Melbourne at 01 30 Singapore time. What was the time in Melbourne when Madam Rohaya called her husband?
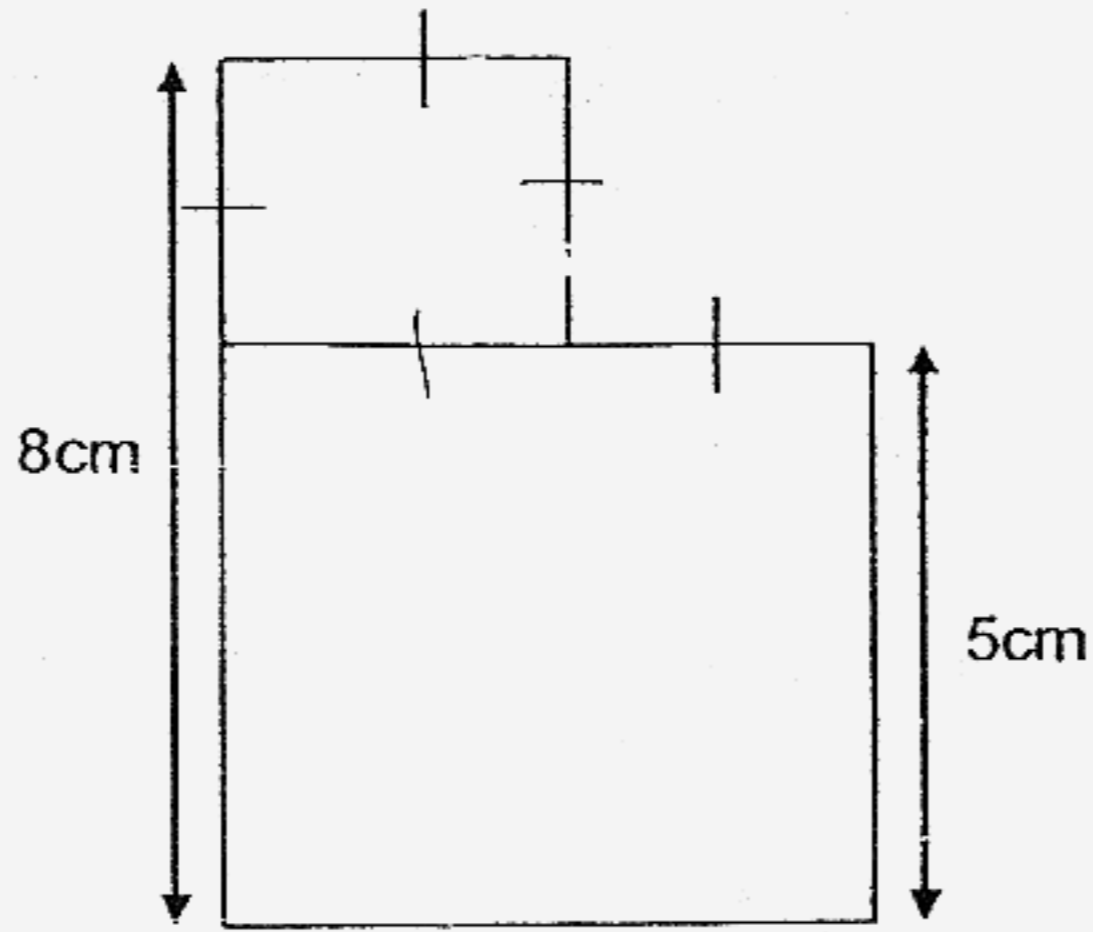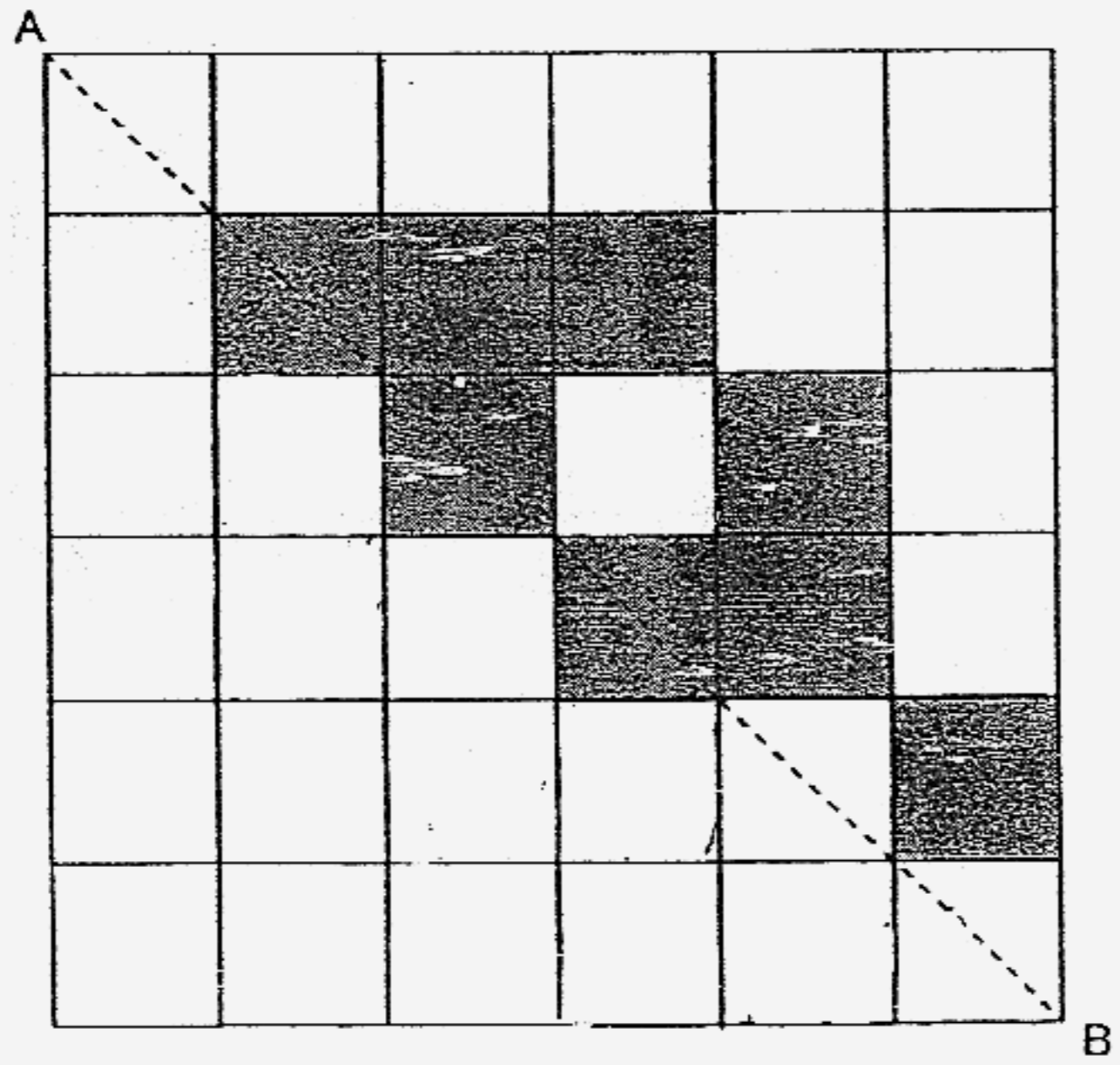
Singapore time  09 00                          01 30

Melbourne time  11 00                            ?

_____

37. Find the perimeter of the figure below.



24cm

30cm

_____ cm

16

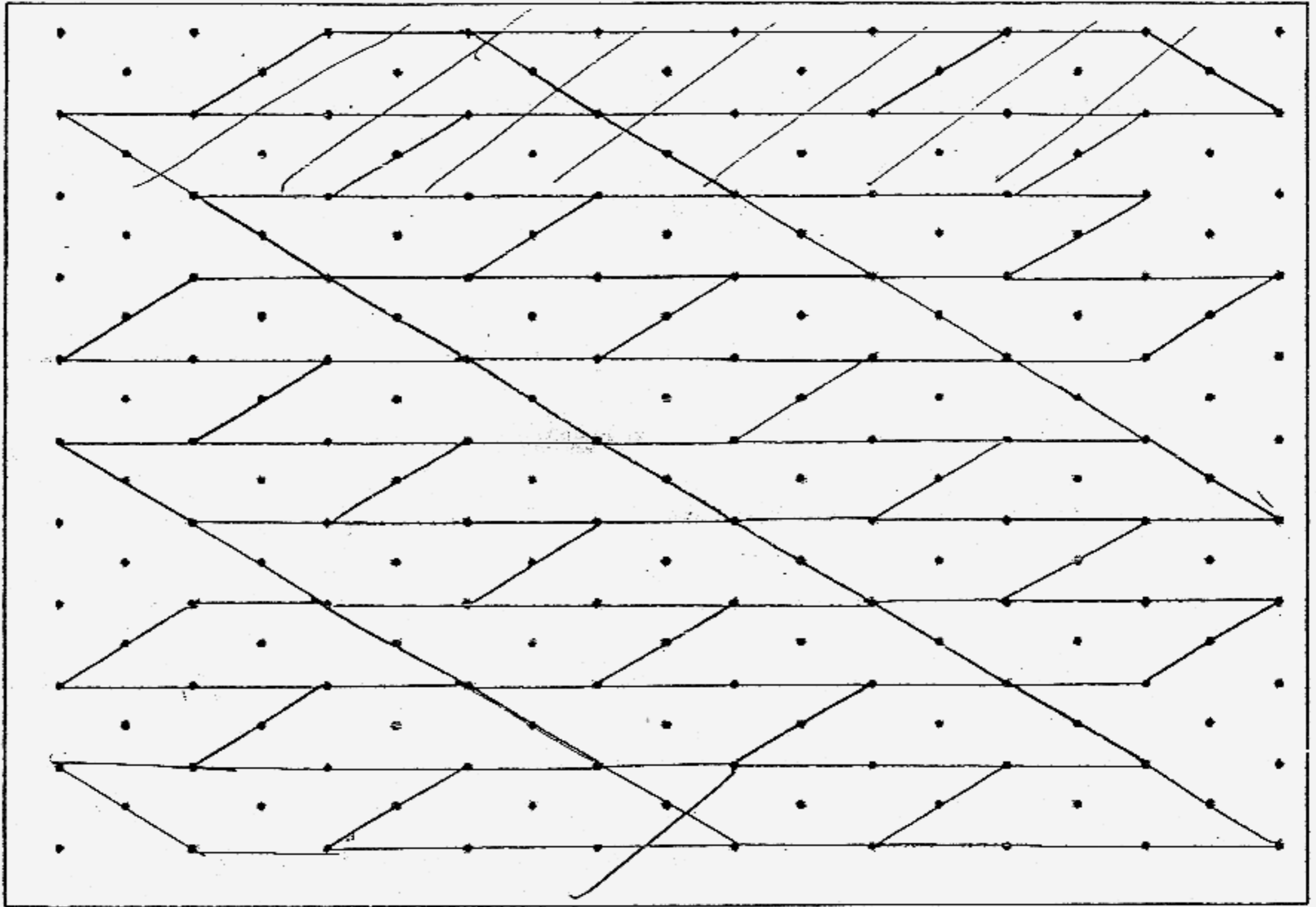38. Find the area of the figure.



_____ cm²

39. In the figure below, the dotted line AB is the line of symmetry. Shade 5 more squares to make the figure symmetrical.



17

40.    Extend the tessellation by adding 4 more unit shapes.



18

# METHODIST GIRLS' SCHOOL (PRIMARY)
## END OF YEAR EXAMINATION 2007
## PRIMARY 4

# MATHEMATICS

## BOOKLET C

Name: _____ (        )

Class: P 4. _____

| | |
|---|---|
| Booklet A (40) | |
| Booklet B (40) | |
| Booklet C (20) | |
| Total (100) | |

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

___

DO NOT OPEN THE BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW THE INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

## SECTION C

**For questions 41 to 45, show your working clearly in the space provided below each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question.**

**(20 marks)**

41. Mrs Tan bought a $2 430 dining set consisting of 1 table and 4 chairs. If the table cost $680 more than a chair, find the cost of the table.

Ans: _____ [4]

42. Sally has 250 balls. She has 20 more red balls than blue balls and 3 times as many green balls as red balls. How many red balls does she have?

Ans:_____ [4]

43. A marker costs twice as much as a pen. Hannah spent $\frac{2}{9}$ of her money on 15 pens and $\frac{4}{9}$ of her money on some markers. She then had $18 left. What is the cost of 1 marker?

Ans: ___ _____ [4]

44. On a particular day, Andrea cycled 6.58 km.
Betty cycled 0.63 km more than Andrea.
Cindy cycled 1.02 km less than Betty.
What was the total distance cycled by all 3 girls?

Ans: _____ [4]

45. A square pond is surrounded by a footpath with a width of 4m around it. If the perimeter of the pond is 168m, what is the area of the footpath?
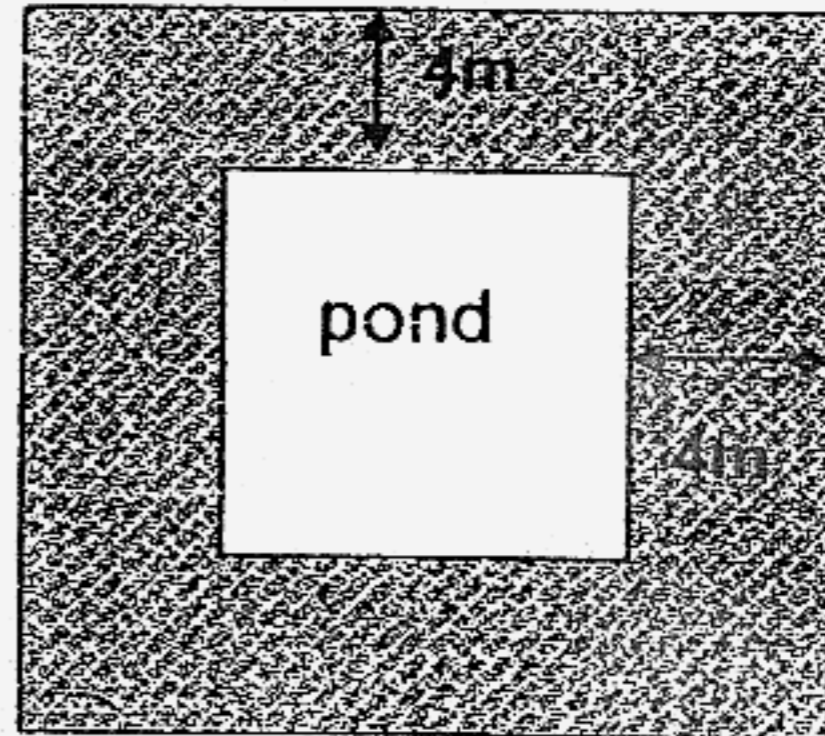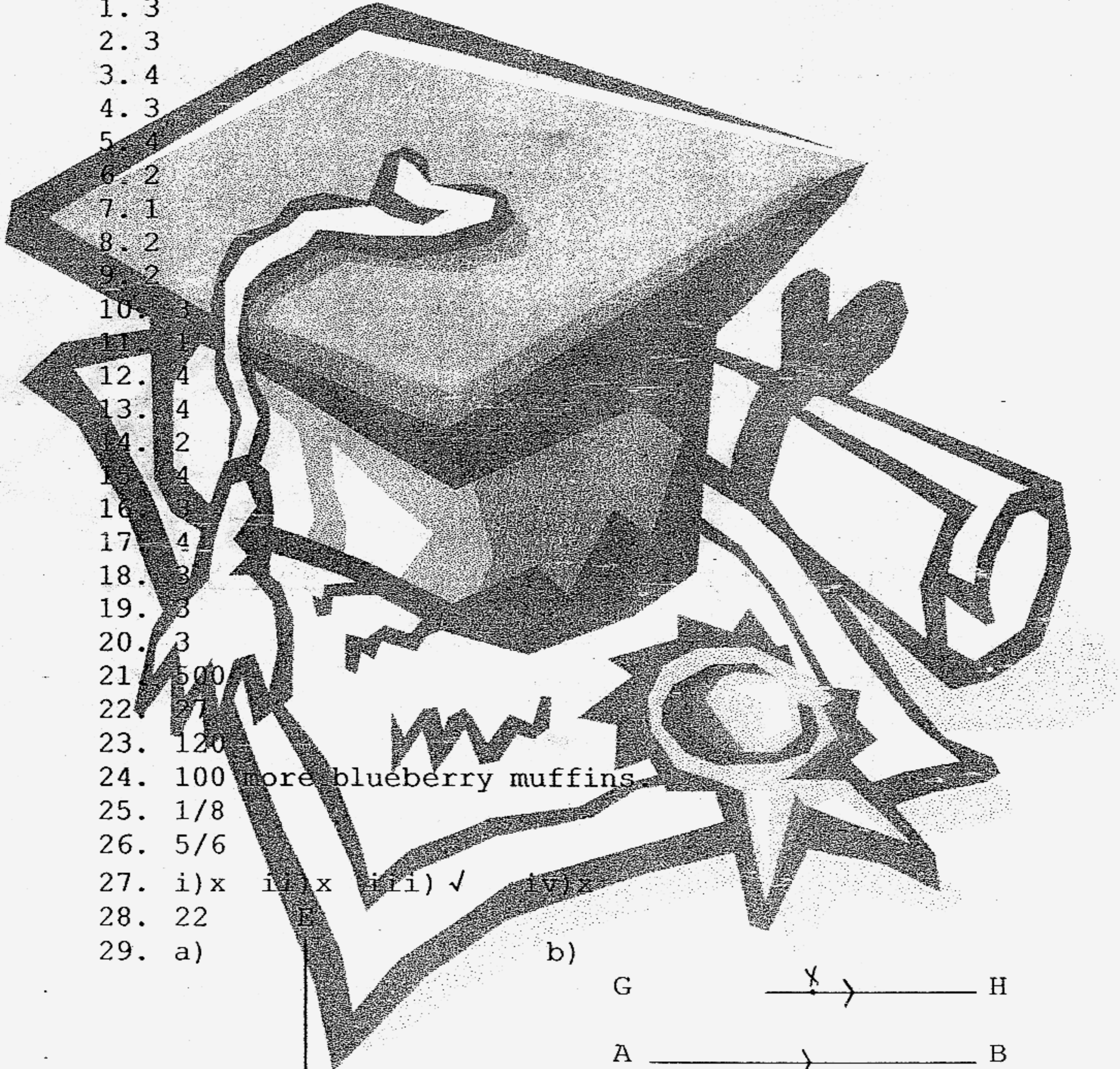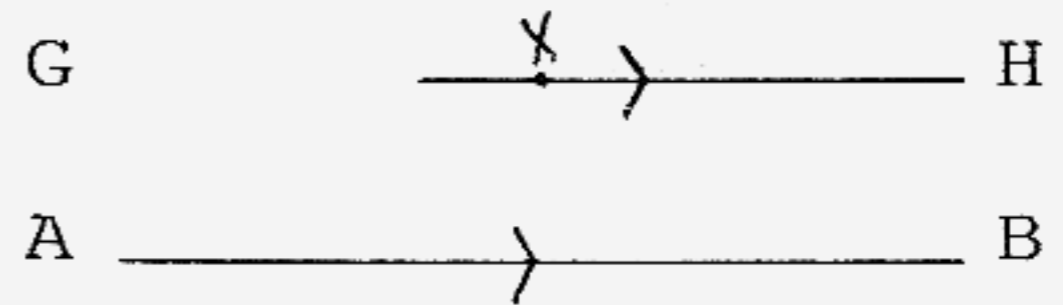


Ans: _____ [4]

**End of paper**

*~ Have you checked your work?* ☺

21

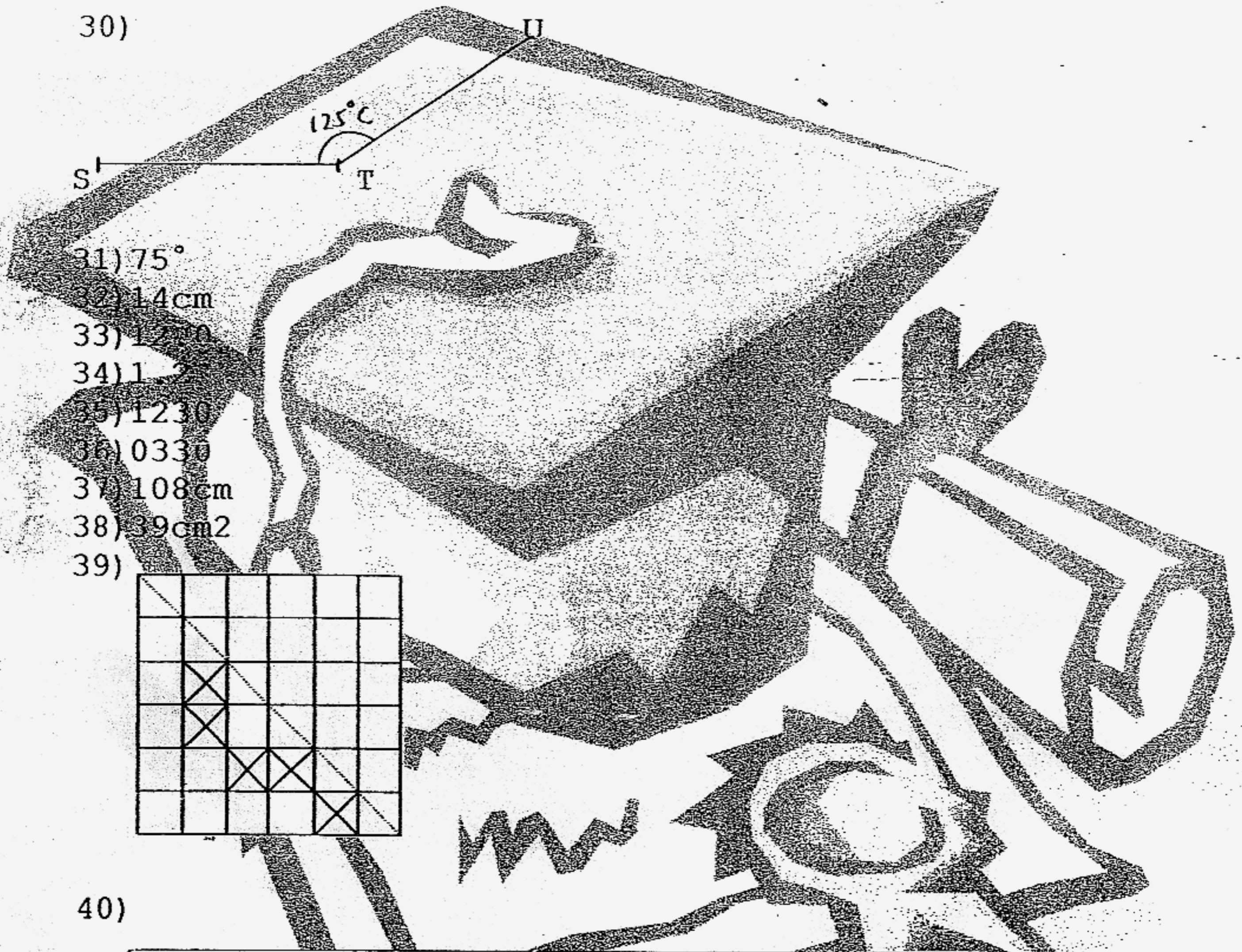M G S PRIMARY SCHOOL   -  PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 3
2. 3
3. 4
4. 3
5. 4
6. 2
7. 1
8. 2
9. 2
10. 3
11. 
12. 4
13. 4
14. 2
15. 4
16. 3
17. 4
18. 3
19. 3
20. 3
21. 500
22. 27
23. 120
24. 100 more blueberry muffins
25. 1/8
26. 5/6
27. i)x   ii)x   iii) ✓   iv)x
28. 22
29. a)                              b)

G ————— x ——→————— H

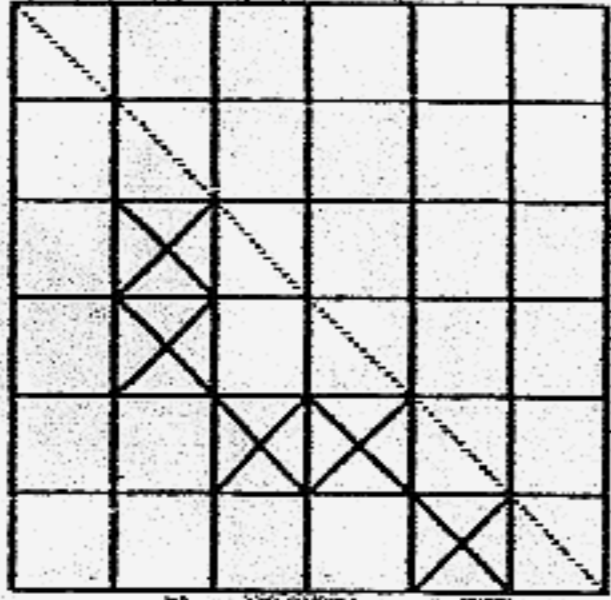A ——————————→————— B

A ————————————— B
         F
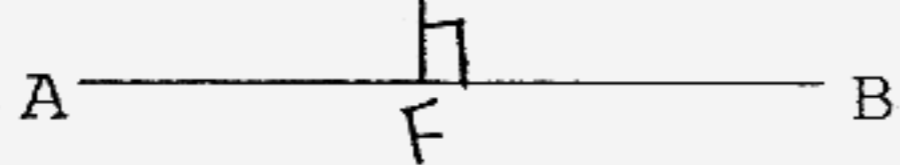
30)



31) 75°
32) 14cm
33) 1230
34) 1 : 2
35) 1230
36) 0330
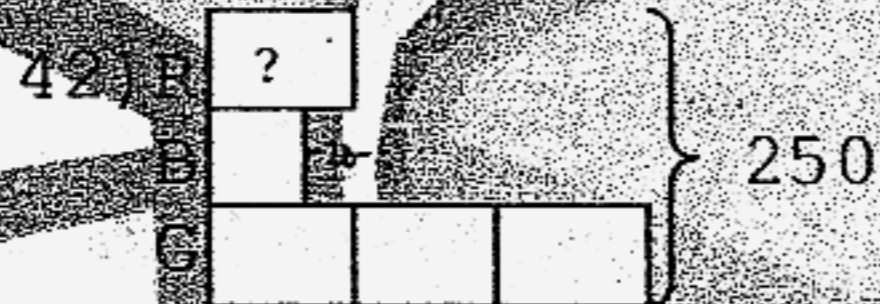37) 108 cm
38) 39cm2
39)



40)

41) T [ ? ]

C
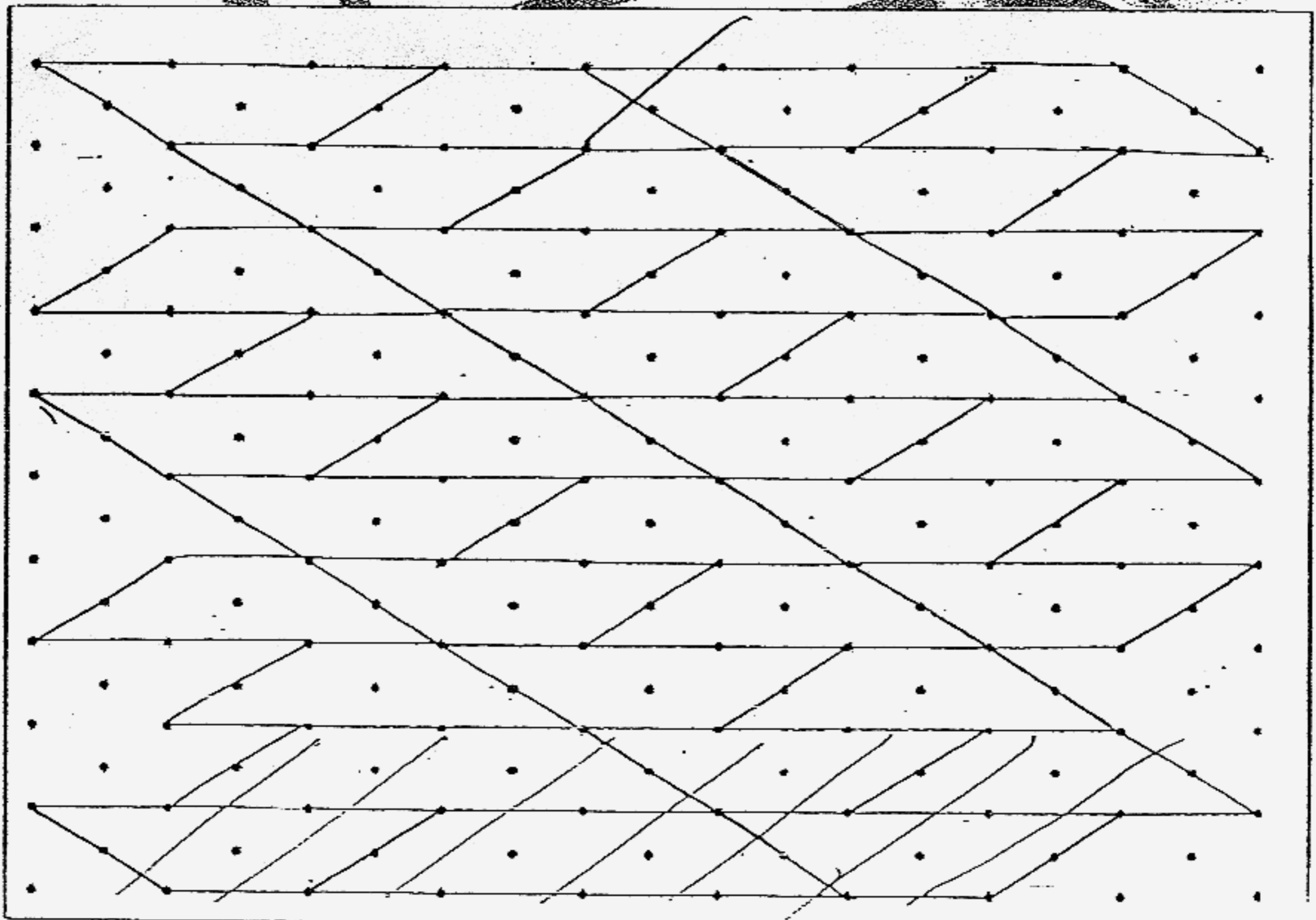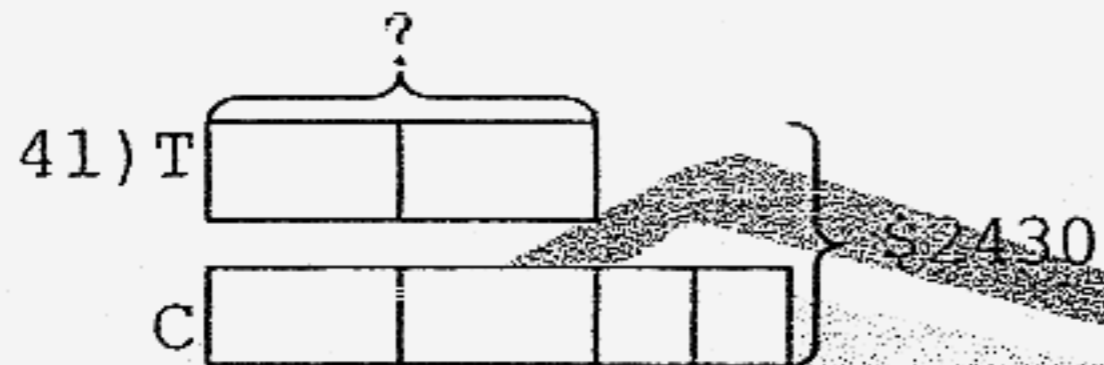
$2430

2430-680=1750
1750÷5=350
350+680=1030
The cost of the table is $1030.

42) A [ ? ]

B

C

250

250+20=270
270÷5=54
She had 54 red balls.

43) 18÷3=6
15 pens➔$12
12.00÷15=80
1 pen➔$0.80
80+80=160
1 marker cost $1.60

44) 6.58+0.63=7.21
7.20-1.02=6.19
6.19+7.21=13.40
13.40+6.58=19.98
The total distance cycled by
all 3 girl is 19.98km.

45) 168÷4=42
42x42=1764
42+8=50
50x50=2500
2500-1764=736
The area of the footpath is 736m2.