



**CATHOLIC HIGH SCHOOL
END OF YEAR EXAMINATION 2006
MATHEMATICS
PRIMARY 4**

PART A

Class: Primary 4

Date: 27 October 2006

Duration: 1 h 45 min

Instructions:

1. Do not turn over this page until you are told to do so.
2. There are 16 pages consisting of 3 sections in this paper.

| Part | Section | Weightage | Item type | No. of questions |
|------|---------|-----------|--------------|------------------|
| A | - | 40% | MCQ | 20(1-20) |
| B | I | 40% | Short Answer | 20(21-40) |
| | II | 20% | Long Answer | 5(41-45) |

3. Read the instructions at the beginning of each section carefully before attempting the questions.
4. Answer all the questions.
5. Please use a 2B pencil to shade your answer in the OAS for Part A.

Section A : Multiple-Choice Questions (40 marks)

Choose the correct answer and shade its number 1, 2, 3 or 4 in the Optical Answer Sheet (OAS) provided. Please use only 2B pencil and SHADE the oval completely. Each question carries 2 marks. All diagrams are not draw to scale.

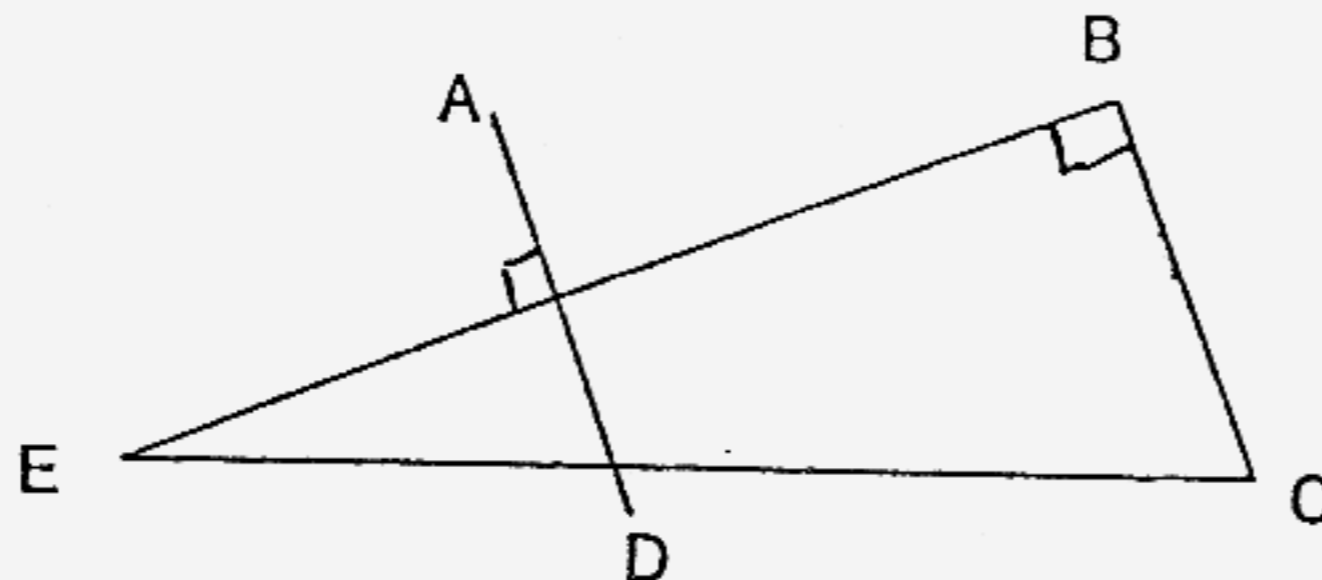
1. In $\overline{42}539$, the digit _____ is in the ten thousands place.

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

2. $\frac{1}{2} + \frac{1}{4} =$ _____

- (1) $\frac{1}{3}$
- (2) $\frac{2}{6}$
- (3) $\frac{3}{4}$
- (4) $\frac{1}{8}$

3. The lines _____ in the following diagram are perpendicular to each other.

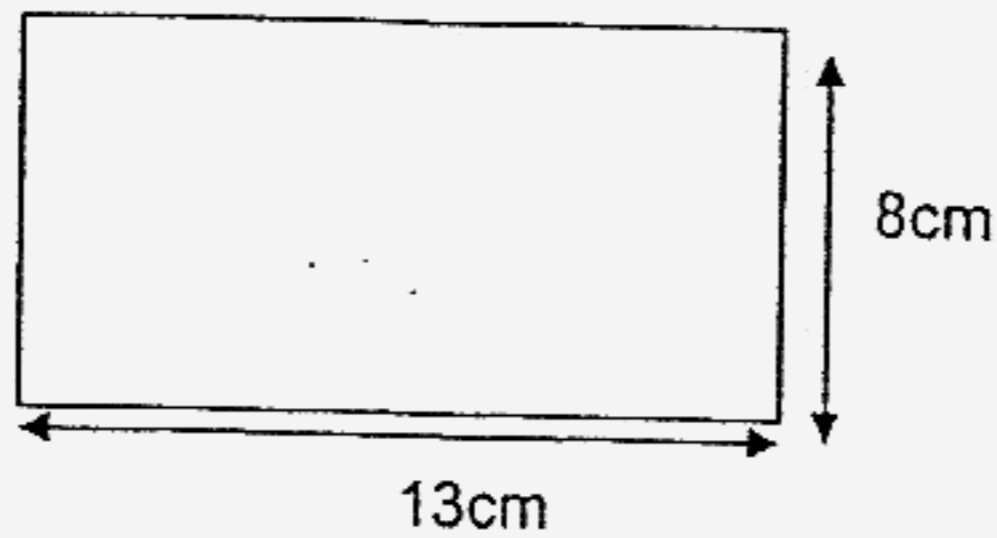


- (1) AD and BC
- (2) AD and EC
- (3) BC and CE
- (4) BC and BE

4. Express $1\frac{28}{100}$ in decimal.

- (1) 0.28
- (2) 1.28
- (3) 1.028
- (4) 2.80

5. Find the perimeter of the following rectangle.



- (1) 21 cm
- (2) 29 cm
- (3) 34 cm
- (4) 42 cm

6. What is 45 seconds less than 2 minutes?

- (1) 1 min 15 sec
- (2) 1 min 55 sec
- (3) 115 sec
- (4) 155 sec

7. Which of the following pictures do not have any lines of symmetry?



A



B



C

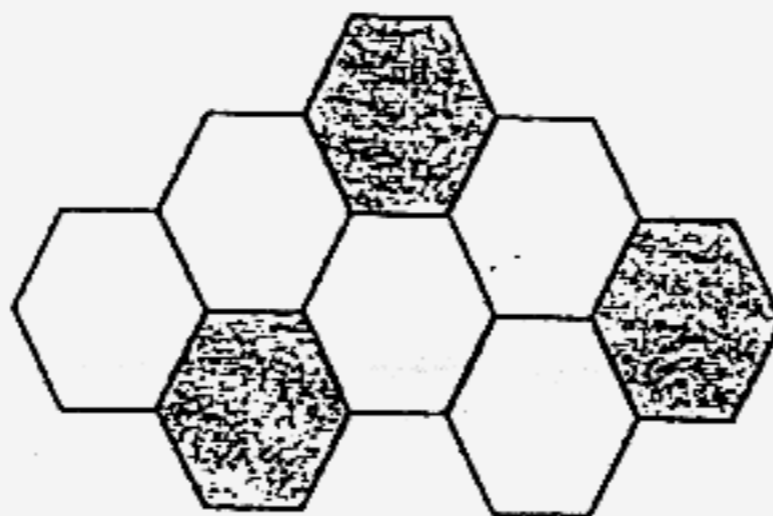


D

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

8. A restaurant celebrated its 8th anniversary by giving a voucher to every 8th customer. So the 8th, 16th, 24th, customer received a voucher each. How many vouchers had been given out by the time it reached the 138th customer?
- (1) 13
 (2) 15
 (3) 17
 (4) 18
9. Rahman takes 7 min to wrap a hamper. If he takes a 10-min break after every 7 hampers he wraps, which of the following is the closest estimate of the number of hampers he can wrap in 10 hours?
- (1) 20
 (2) 70
 (3) 120
 (4) 200
10. Michael spent $\frac{2}{5}$ of his savings on a concert and $\frac{1}{3}$ of it on a watch. What fraction of his savings was left?
- (1) $\frac{1}{2}$
 (2) $\frac{1}{5}$
 (3) $\frac{3}{8}$
 (4) $\frac{4}{15}$

11. Look at the figure below. How many more unshaded hexagons must be added so that $\frac{1}{4}$ of the figure is shaded?



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

12. What is the sum of 4.28 and 2.15 when rounded to 1 decimal place?

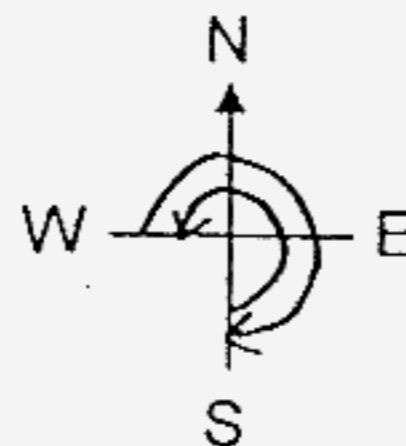
- (1) 6.3
- (2) 6.4
- (3) 6.5
- (4) 6.6

13. Jeremy wants to buy 3 story books at \$3.90 each. If he has \$10.50 only, how much money is he short of?

- (1) \$1.20
- (2) \$6.60
- (3) \$11.70
- (4) \$14.40

14. Samson is facing the south after he had made a $\frac{3}{4}$ -turn to his right. Which direction was he facing before he turned?

- (1) North
- (2) South
- (3) East
- (4) West



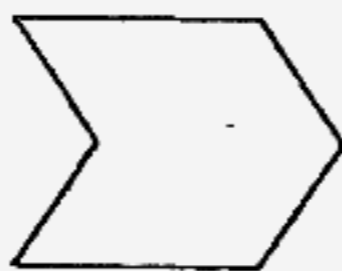
15. The width of a rectangle is 3cm. If its length is 3 times its width, what is its area?

- (1) 9 cm²
- (2) 12 cm²
- (3) 24 cm²
- (4) 27 cm²

16. Which one of the following shapes cannot tessellate?



A



B



C



D

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

17. The table below shows the price of some books sold at a book fair.

| Type of books | Price (\$) each |
|---------------|-----------------|
| Comics | 7.55 |
| Magazines | 6.25 |
| Story books | 13.80 |

How much did Sam spend if he had bought 2 comics and a story book?

- (1) \$26.30
(2) \$27.60
(3) \$28.90
(4) \$35.15
18. The cost of 4 bowls and 3 cups is \$4.60. If 2 bowls and a cup cost \$2, what is the cost of a cup?
- (1) \$0.60
(2) \$0.65
(3) \$0.70
(4) \$0.75
19. Judy bought a crate of 84 oranges. She ate some of them and gave 18 oranges to her neighbours. She had $\frac{5}{7}$ of the oranges left. How many oranges did she eat?
- (1) 6
(2) 12
(3) 24
(4) 70
20. A story book has four times as many pages as a comic book. If 1 such story book and 2 such comic books had a total of 342 pages, how many pages does the comic book have?
- (1) 45
(2) 49
(3) 53
(4) 57



**CATHOLIC HIGH SCHOOL
END OF YEAR EXAMINATION 2006
MATHEMATICS
PRIMARY 4**

PART B

Class: Primary 4

Date: 27 October 2006

Duration: 1 h 45 min

| | |
|--------------------|------------|
| Part A | 40 |
| Part B | 60 |
| Total Marks | 100 |

Instructions:

1. Do not turn over this page until you are told to do so.
2. There are 16 pages consisting of 3 sections in this paper.

| Part | Section | Weightage | Item type | No. of questions |
|------|---------|-----------|--------------|------------------|
| A | - | 40% | MCQ | 20(1-20) |
| B | I | 40% | Short Answer | 20(21-40) |
| | II | 20% | Long Answer | 5(41-45) |

3. Read the instructions at the beginning of each section carefully before attempting the questions.
4. Answer all the questions.
5. Please use a 2B pencil to shade your answer in the OAS for Part A.

Parent's signature: _____

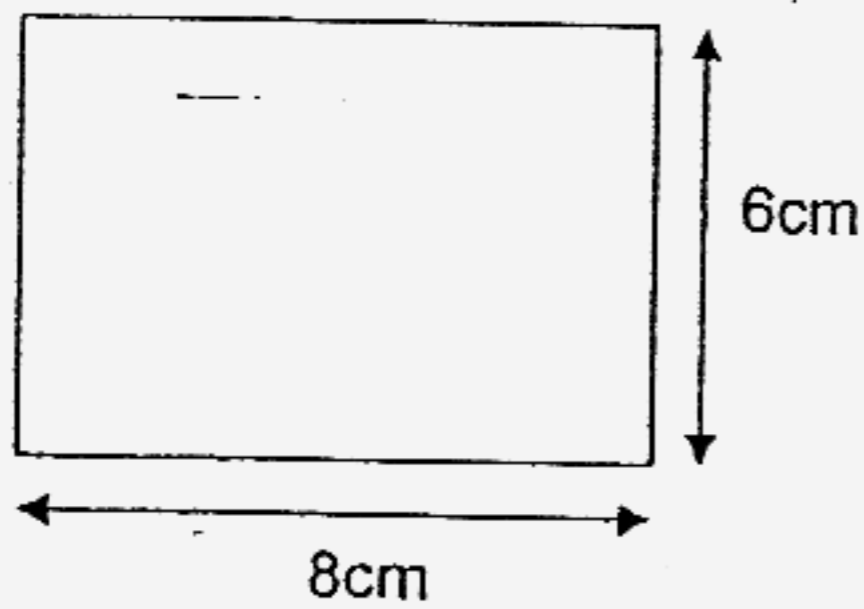
Section B

Part I: Short Answer Questions (40 marks)

Do not write
in this space

Question 20 to 40 carries 2 marks each. Write your answer in the blank provided.
All diagrams are not drawn to scale except Question 24.

21. Find the area of the following rectangle.



Answer : _____ cm²

22. $\frac{1}{2} - \frac{1}{6} =$ _____

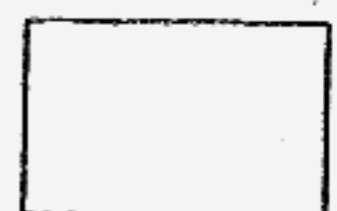
Give your answer as a fraction in the simplest form.

Answer : _____

23. Complete the following number pattern:

50, 100, 200, 350, _____, 800, 1100

Answer : _____



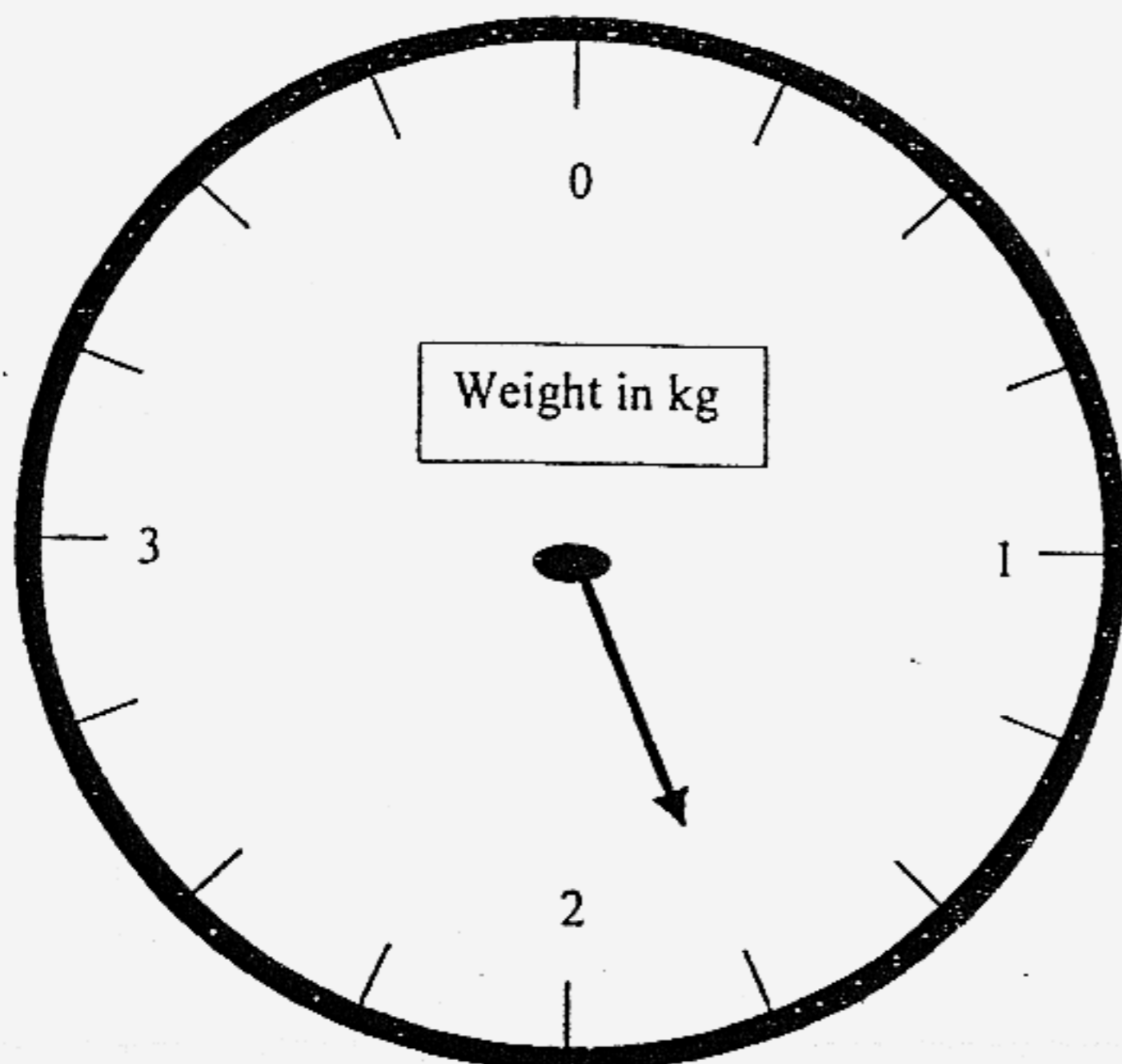
Do not write
in this space

24. Measure the marked angle $\angle m$ as shown below.



Answer : _____ °

25. What is the reading on the weighing scale as shown below? Give your answer in decimal. Assume that the markings on the weighing scale are of equal intervals.



Answer : _____ kg

SCORE

Do not write
in this space

26. Jeremy packed his shirts into 3 drawers. If each drawer contains 26 shirts and he still has 4 remaining shirts left to be packed, how many shirts does he have?

Answer : _____

27. Mary sold 57 teddy bears at \$68 each. How much did she receive from the sale of these teddy bears?

Answer : \$ _____

28. Steve has 98 pots of plants. If $\frac{3}{7}$ of them are non-flowering, how many of them are flowering plants?

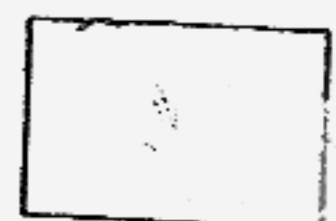
Answer : _____

29. Adrian swims 100m in 3min 20s. Betty does it in 1min 50s. Express Betty's timing as a fraction of Adrian's timing for the 100m swim in the simplest form.

Answer : _____

30. $4 + \frac{3}{8} - 0.13 =$ _____. Give your answer in decimal.

Answer : _____

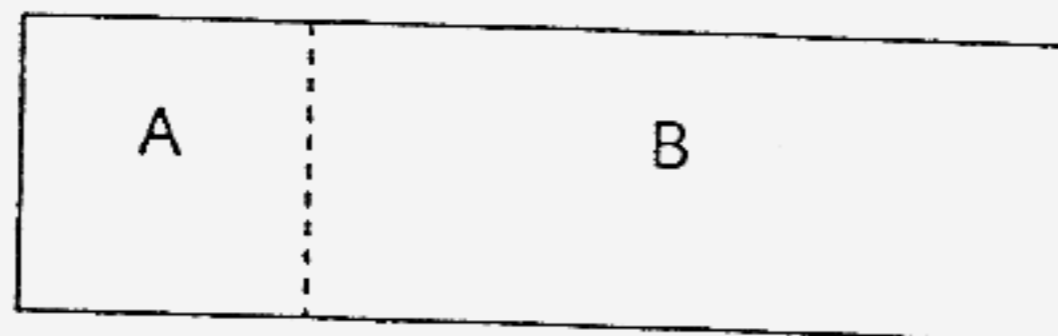


31. Vincent had his lunch from 11.35am to 1.25pm. How long was his lunch break?
Give your answer in hours and minutes.

Do not write
in this space

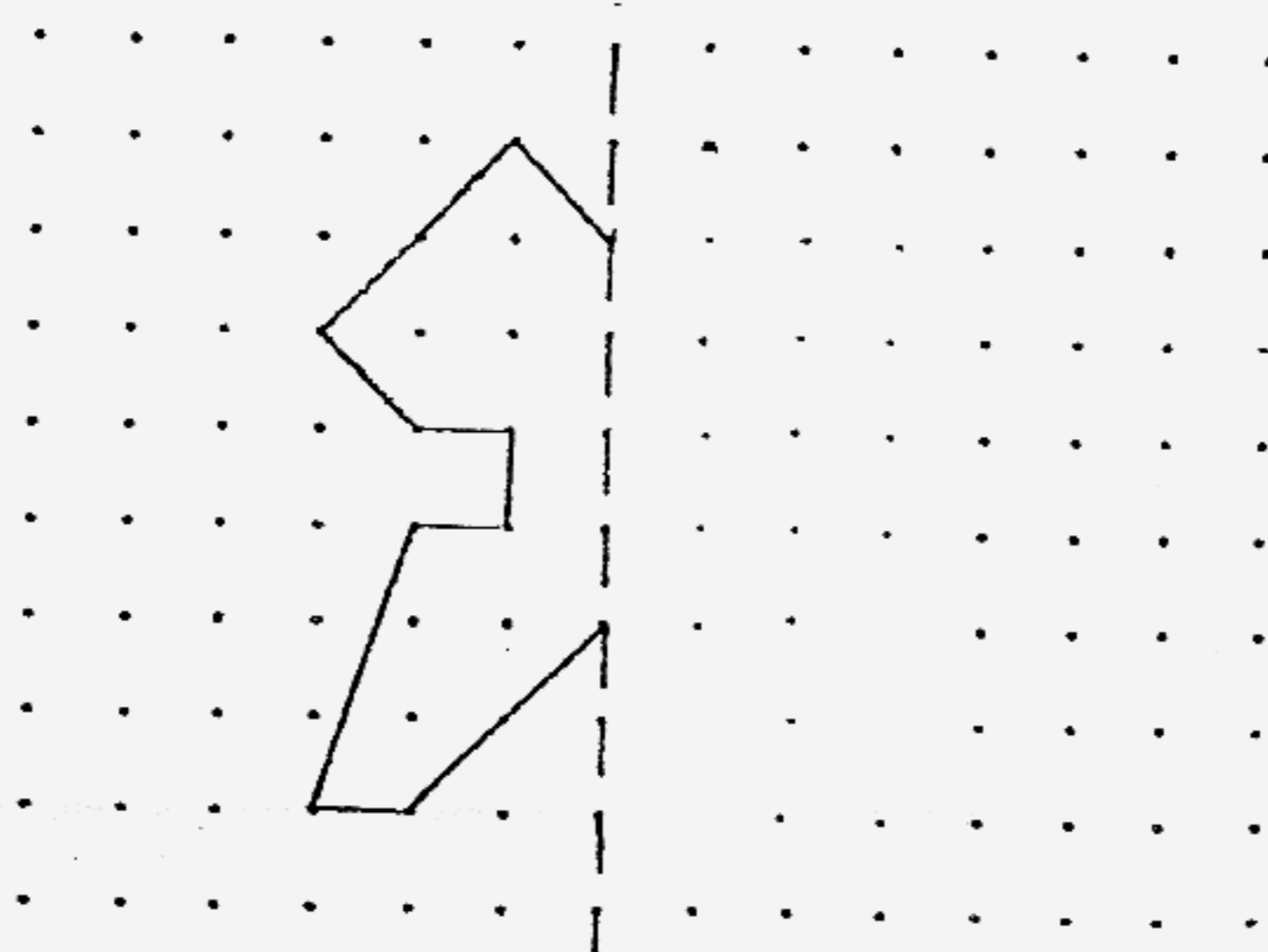
Answer : ____ h ____ min

32. The figure below is made up of square A and rectangle B. Square A has a side of 6cm and rectangle B has a length of 15cm. What is the perimeter of the figure below?

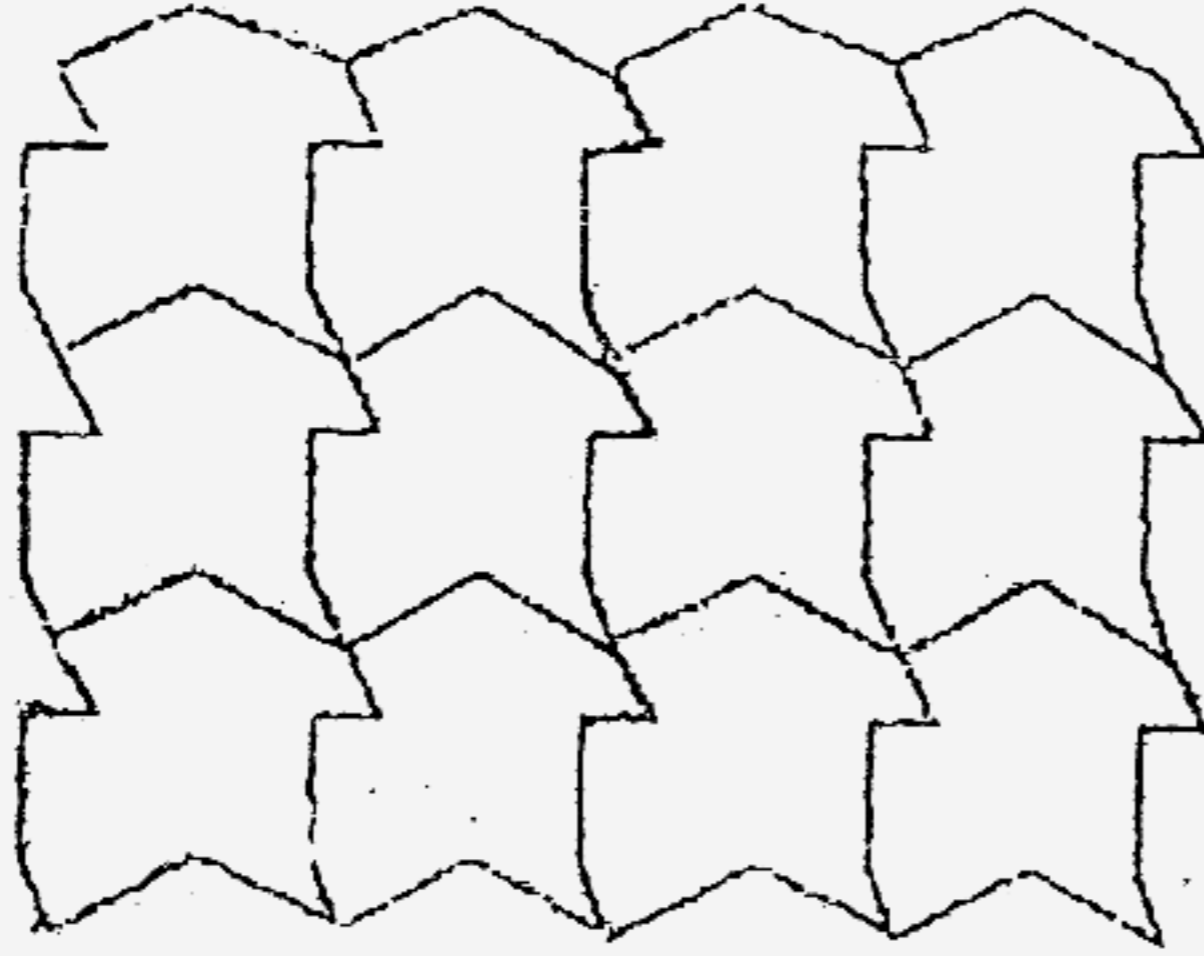


Answer : _____ cm

33. Complete the following symmetrical figure using the dotted line as the line of symmetry.

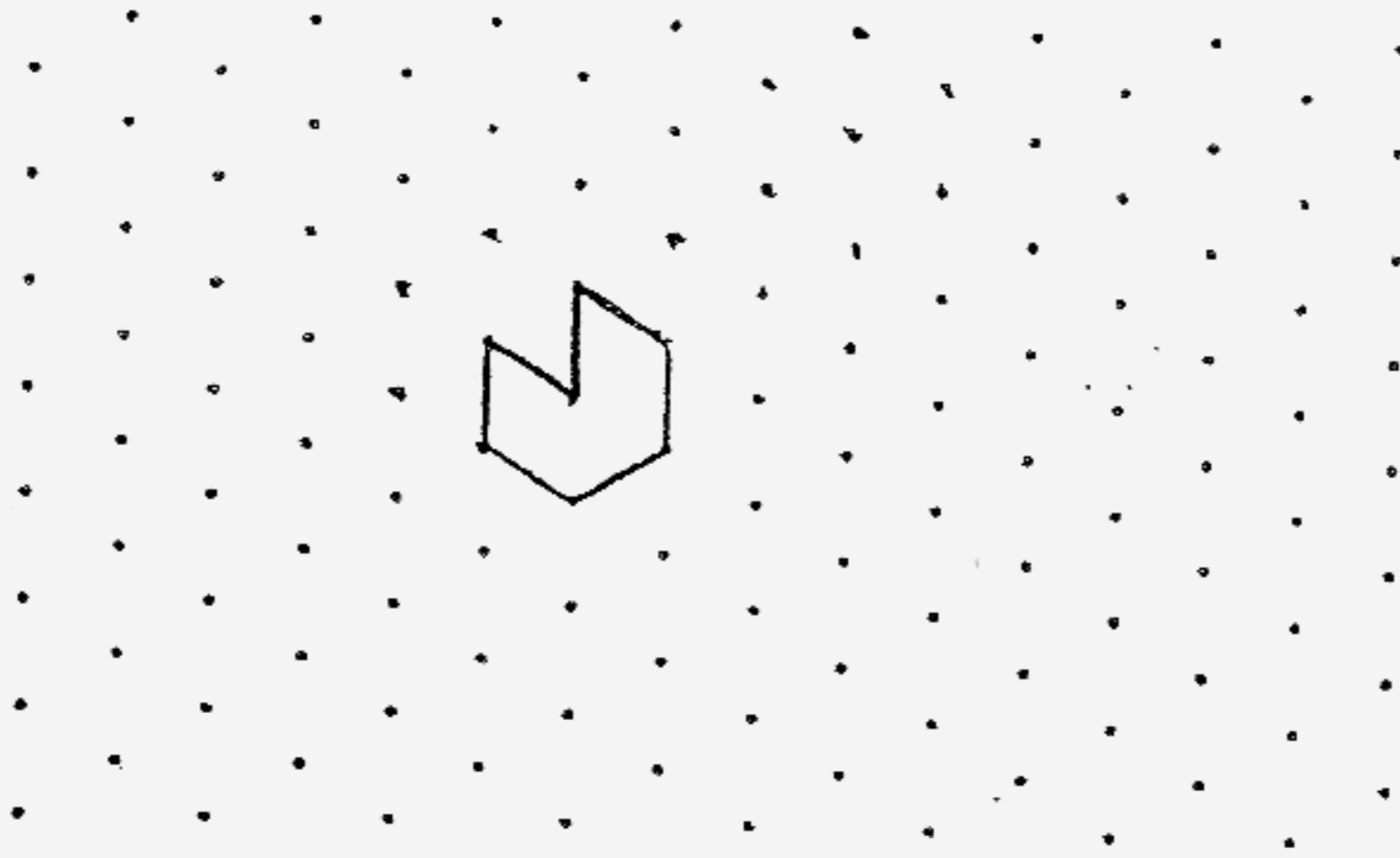


34. Shade one unit shape used in the following tessellation.



Do not write
in this space

35. Draw 4 more of the given shape to make a tessellation.



36. Arrange the following in ascending order.

$$1.17, \frac{8}{5}, 1.071, 1\frac{1}{4}, \frac{15}{18}$$

Answer : _____



37. At first, Fatimah has 25 marbles and Ravi has 10 marbles. Every week, Fatimah buys 6 marbles while Ravi buys 9 marbles. In how many weeks will they have the same number of marbles?

Do not write
in this space

Answer : _____

38. Joyce had a packet of flour weighing $3\frac{3}{4}$ kg each. If she used up $2\frac{1}{3}$ kg of the flour to make a pie, how much flour had she left? Give your answer in fractions in the simplest form.

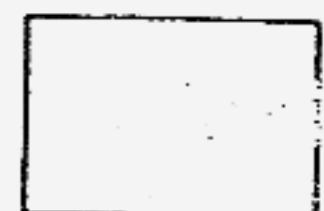
Answer : _____ kg

39. A pail contains $2\frac{1}{4}$ litres of water. If $\frac{1}{3}$ of it is poured into an empty tank, how much water is there in the tank? Give your answer in fractions in the simplest form.

Answer : _____ litres

40. Aaron is 1.38m tall. Brandon is 0.45m taller than Aaron. If Calvin is 1.66m tall, what is the difference in height between Brandon and Calvin? Give your answer in decimal.

Answer: _____ m

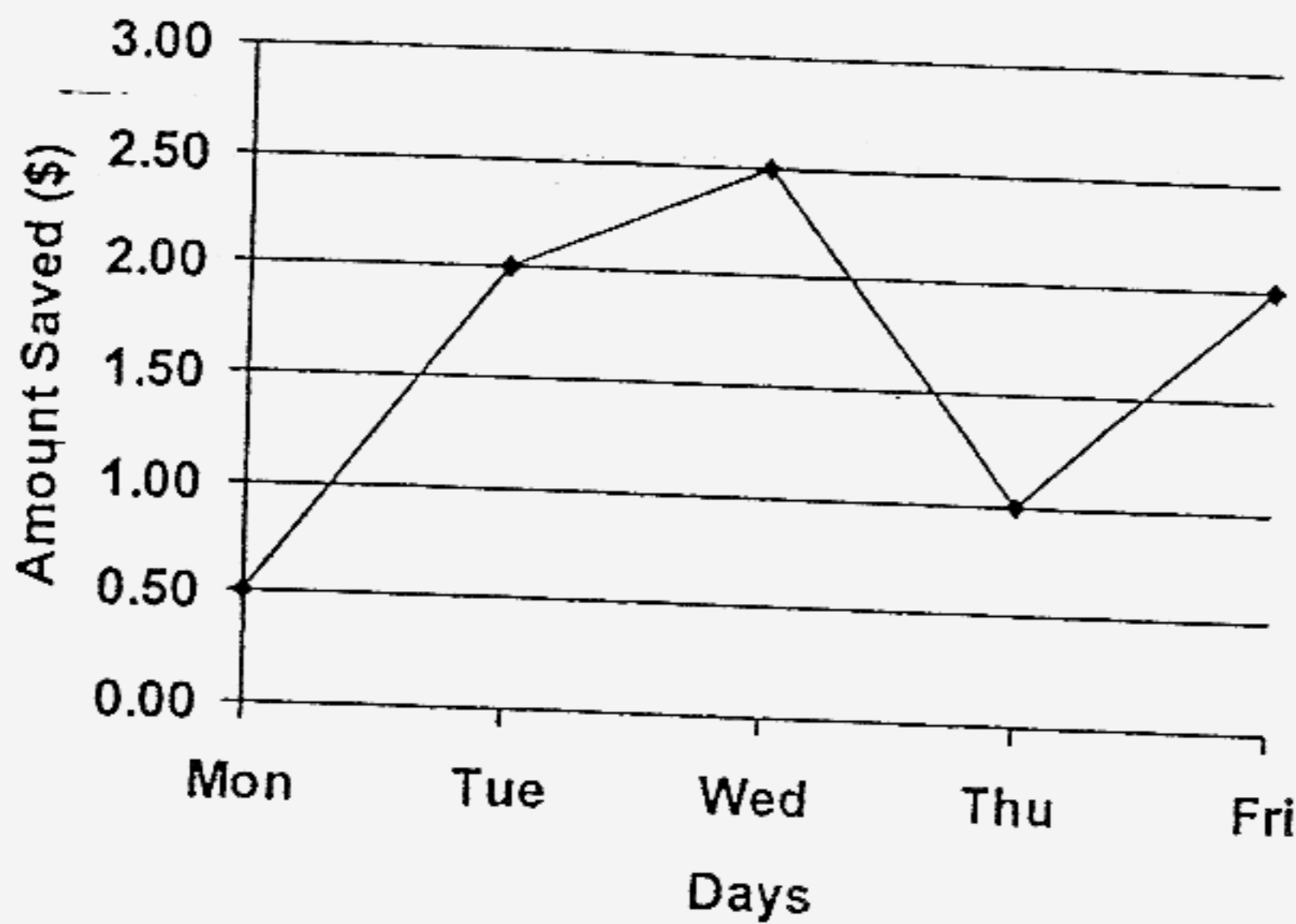


Part II Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write
in this space

41. The line graph below shows Jenny's daily savings over 5 days. Use the graph to answer the following questions.

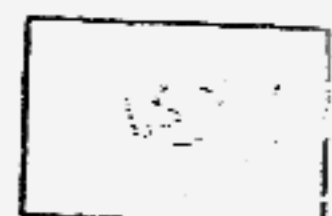


- a) On which days did Jenny have the same daily savings?
- b) What was the difference between the most and the least daily savings over the 5 days?
- c) If Jenny's pocket money was \$5 every day, how much did she spend on Wednesday?

Answer: a) _____ (1m)

b) _____ (1m)

c) _____ (2m)



42. There is a total of 154 guppies and goldfishes in a tank. If $\frac{3}{5}$ of the goldfishes is equal to $\frac{1}{3}$ of the guppies, how many more guppies than goldfishes are there?

Do not write
in this space

Answer: _____ (4m)

43. Mrs Tan bought 3 chickens and 4 fishes from a supermarket. She paid for them with a \$50 note and received \$26.45 change. If each chicken costs \$3.25, what is the cost of 1 fish?

Do not write
in this space

Answer: _____ (4m)

SCORE

72

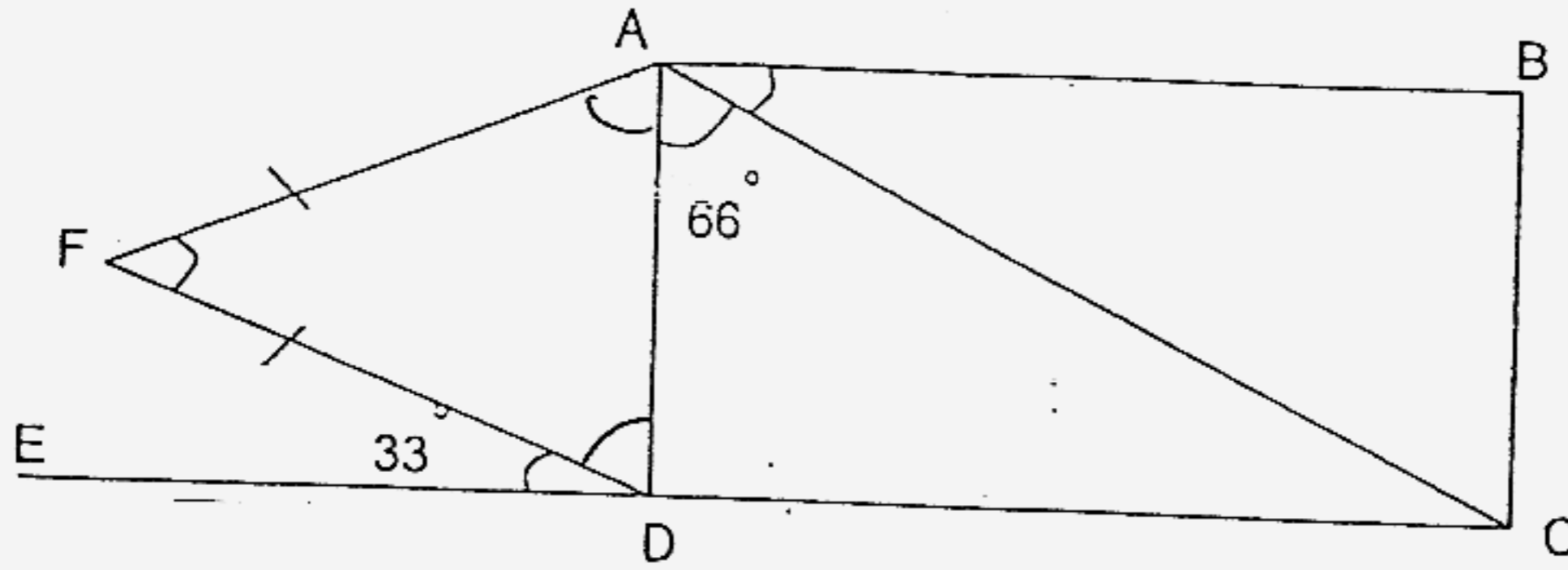
44. There were twice as many girls as boys in a class. After 8 boys went home, there were 6 times as many girls as boys in the class. How many pupils were there in the class?

Do not write
in this space

Answer: _____ (4m)

SCORE

45. ABCD is a rectangle, ADF is a triangle while EDC is a straight line. $\angle CAD = 66^\circ$ and $\angle FDE = 33^\circ$. Find $\angle BAC$ and $\angle AFD$.



Do not write
in this space

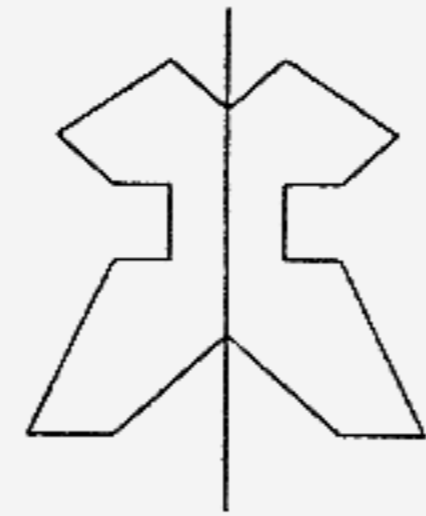
Answer: $\angle BAC =$ _____ ^{1m}_(2m)
 $\angle AFD =$ _____ ^{3m}_(2m)

SCORE

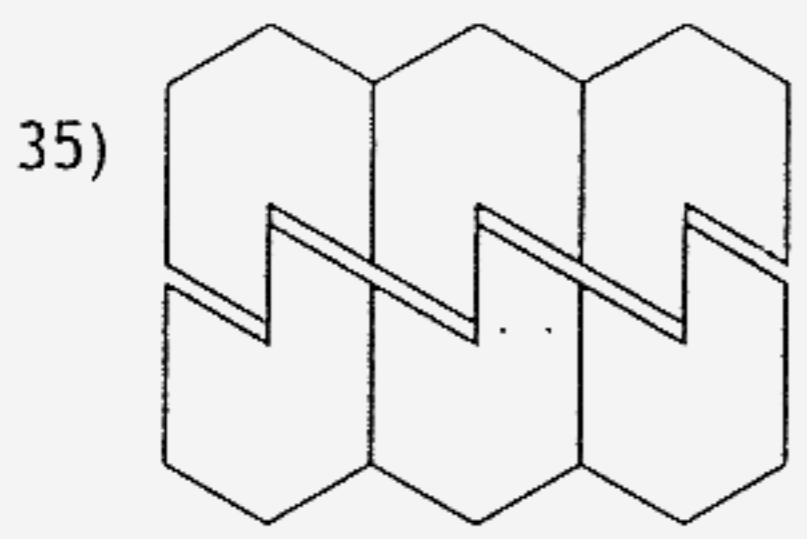
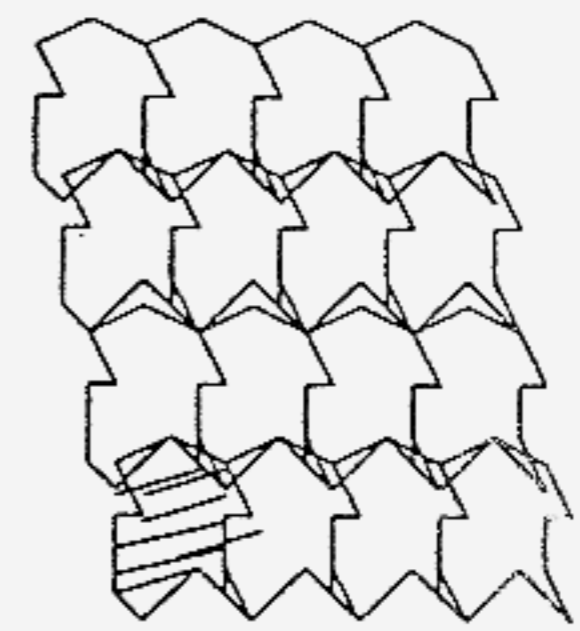
- 1)4 2)3 3)4 4)2 5)4 6)1
 7)4 8)3 9)2 10)4 11)4 12)2
 13)1 14)4 15)4 16)1 17)3 18)1
 19)1 20)4 21)48 22) $\frac{1}{3}$ 23)550 24)152
 25)1.75kg 26)82 shirts 27)3876 28)56 pots 29) $\frac{11}{20}$ 30)4.245

- 31)1h 50 min 32)54cm

33)



34)



- 36) $\frac{15}{18}, 1.071, 1.17, 1\frac{1}{4}, \frac{8}{5}$ 37)5 weeks 38) $1\frac{5}{12}$ 39) $\frac{3}{4}$ 40)0.17
 41)a. Tuesday and Friday b.\$2 c.\$2.50
 42)44 43)\$3.45 44)36pupils 45)BAC=24° AFD=66°