

Tao Nan School
Primary 3 End-of-Year Mathematics Examination 2007

Name: _____ () Date: 26 October 2007
Class: Primary 3 () Time: 8.00 a.m. – 9.30 a.m.

Parent's Signature: _____ Marks: _____ / 80

Section A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3, or 4). Shade the correct oval on the Optical Answer Sheet (OAS).

1. The difference between 5821 and 1738 is _____.

- 1) 7559
- 2) 6559
- 3) 4083
- 4) 4117

2. 79 m 6 cm = _____ cm

- 1) 79006
- 2) 7960
- 3) 7906
- 4) 796

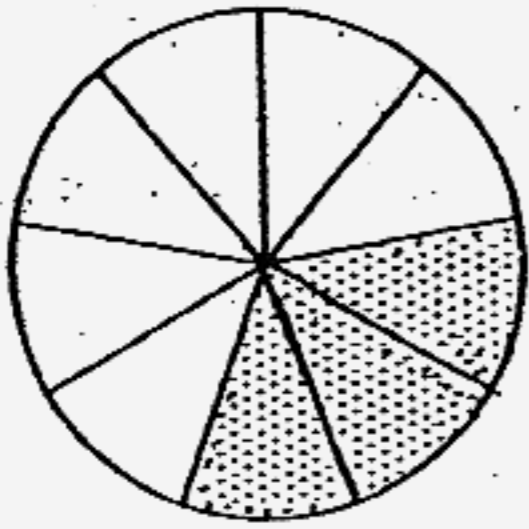
3. Express 3 km 20 m in metres.

- 1) 302 m
- 2) 320 m
- 3) 3020 m
- 4) 3200 m

4. In 4209, the digit 0 is in the _____ place.

- 1) ones
- 2) tens
- 3) hundreds
- 4) thousands

5. What fraction of the figure is shaded?



- 1) $\frac{1}{3}$
- 2) $\frac{2}{3}$
- 3) $\frac{3}{7}$
- 4) $\frac{3}{10}$

6. Mary and Tina weigh 80 kg. Tina weighs 4 kg less than Mary. What is Tina's mass?

- 1) 38 kg
- 2) 40 kg
- 3) 42 kg
- 4) 76 kg

7. How many minutes are there from 8.20 p.m. to 9.05 p.m.?

- 1) 15 minutes
- 2) 25 minutes
- 3) 40 minutes
- 4) 45 minutes

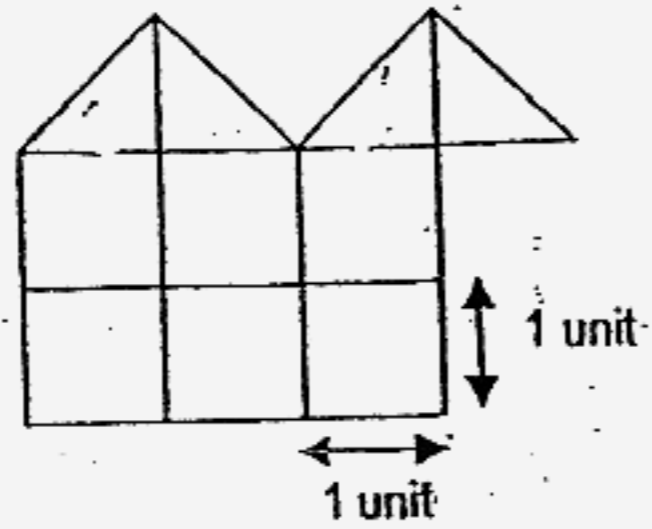
8. $\frac{2}{12}$ is equivalent to _____.

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

9. _____ $\div 5 = 71R2$

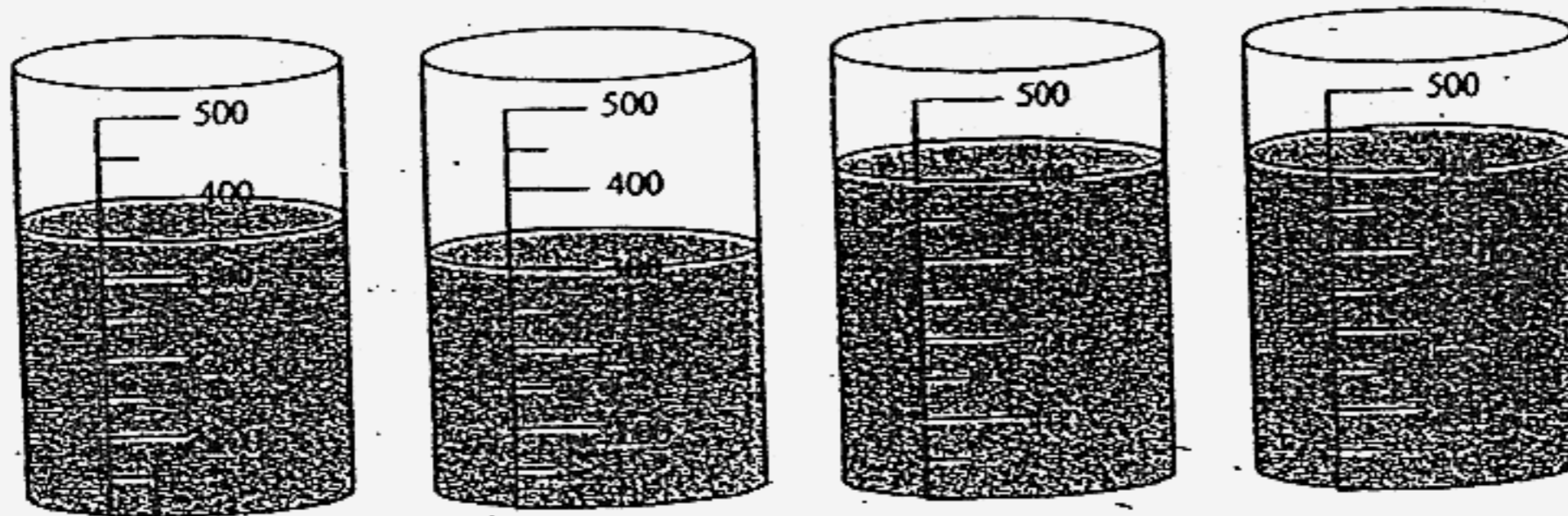
- 1) 353
- 2) 355
- 3) 357
- 4) 365

10. What is the area of the shape in square units?



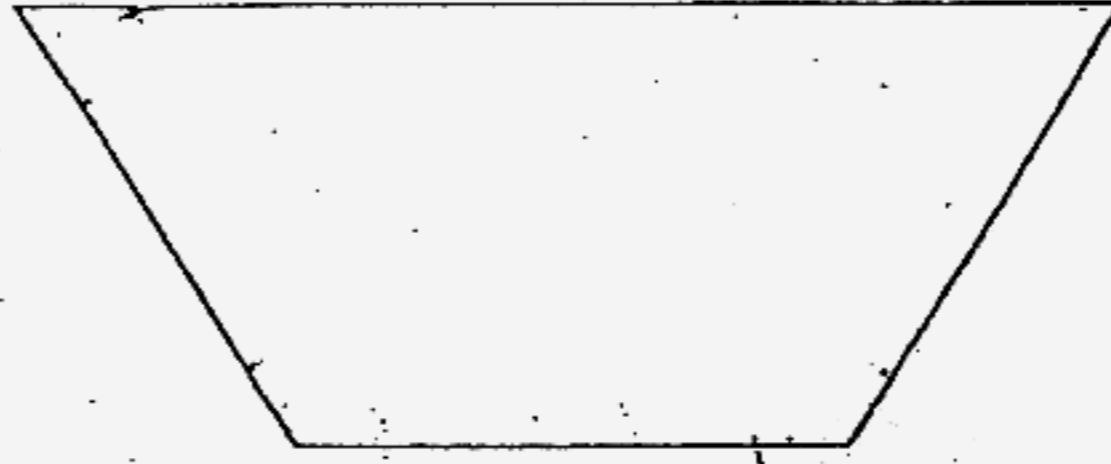
- 1) 6 square units
- 2) 7 square units
- 3) 8 square units
- 4) 10 square units

11. What is the total amount of water in the cylinders?



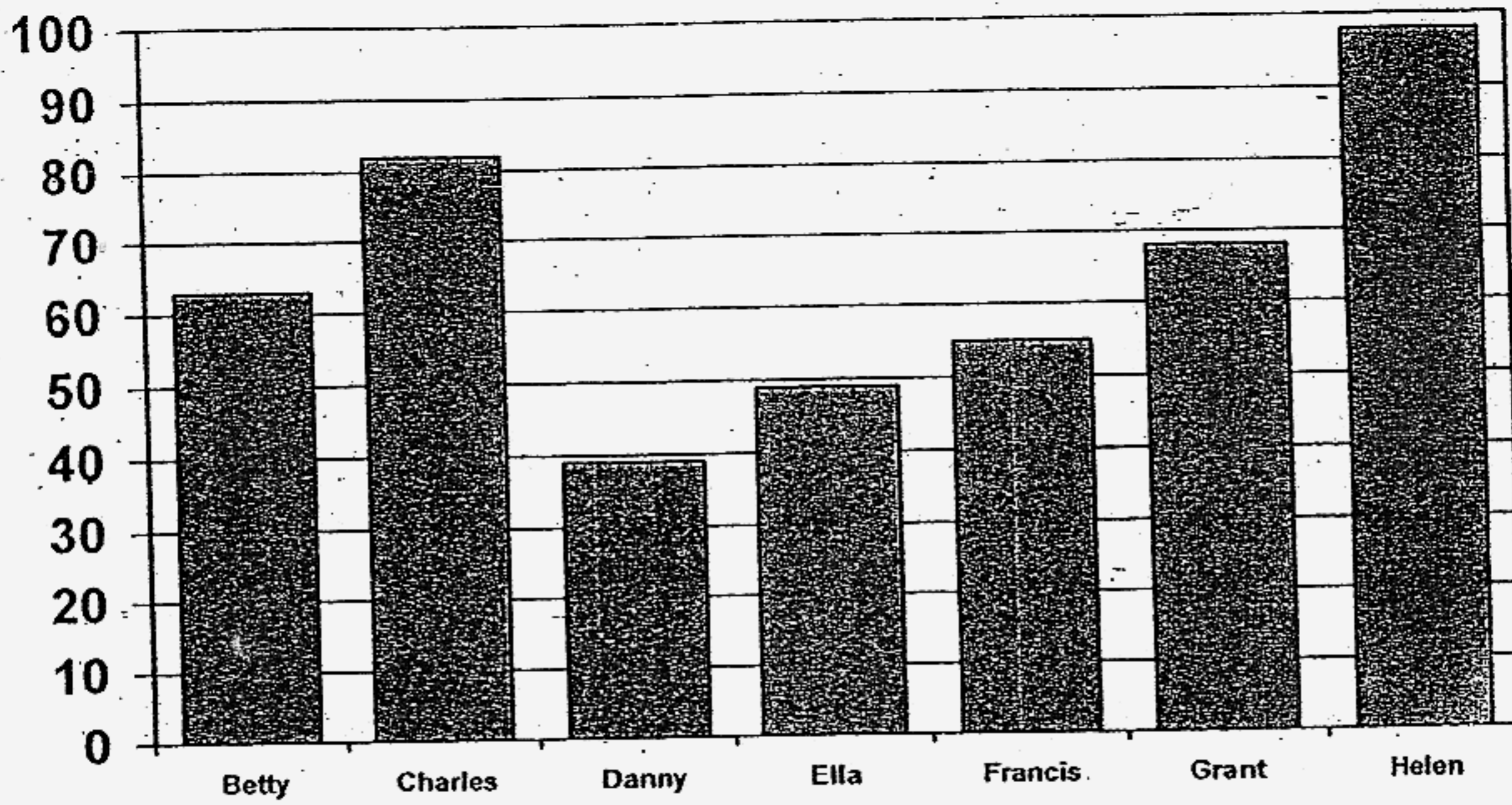
- 1) 1400 ml
- 2) 1450 ml
- 3) 1600 ml
- 4) 1650 ml

12. The figure below has _____ angle(s) that is/are more than 90° .



- 1) 1
2) 2
3) 3
4) 4
13. Ann has 4 times as much money as Betty. If Ann has \$120, how much money do they have altogether?
- 1) \$30
2) \$150
3) \$480
4) \$600
14. May takes 10 minutes to fold a paper frog. She needs to fold 4 of them. If she starts at 2.30 p.m., at what time will she complete folding all 4 paper frogs?
- 1) 2.40 p.m.
2) 2.50 p.m.
3) 3.00 p.m.
4) 3.10 p.m.

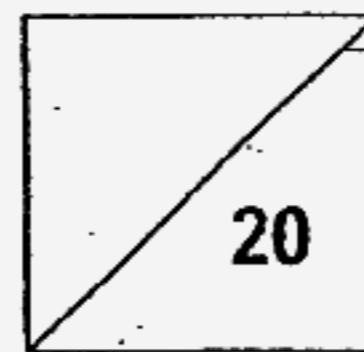
15. The bar graph shows the Science test marks of 7 children. The pass mark for the test is 45. How many children passed the test?



- 1) 6
- 2) 5
- 3) 3
- 4) 4

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**Section B (20 marks)**

Each question carries 1 mark. Write your answers in the boxes provided.

16. Write 2 hundreds 10 tens 5 ones in numbers.

Ans:

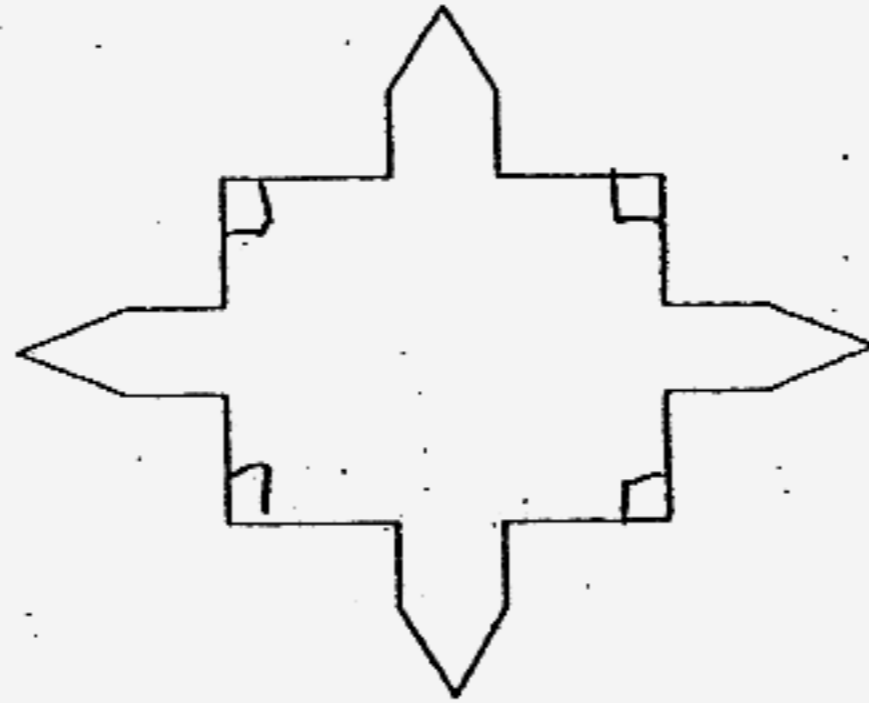
17. What is the smallest 3-digit even number that can be formed from the digits 2, 4 and 7?

Ans:

18. What is the remainder of $79 \div 7$?

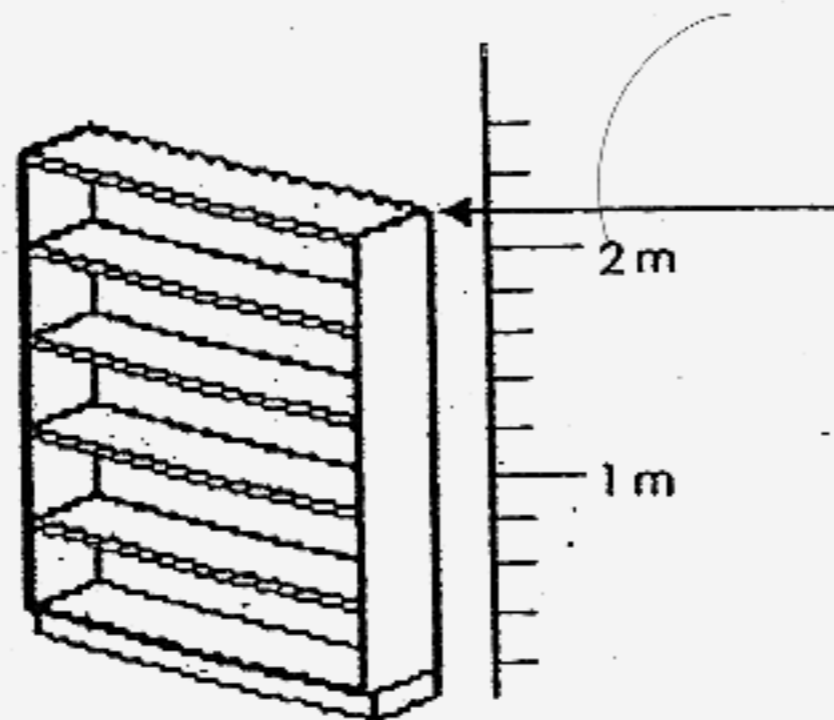
Ans:

19. How many right angles are there inside the figure shown below?



Ans:

20. What is the height of the bookshelf?

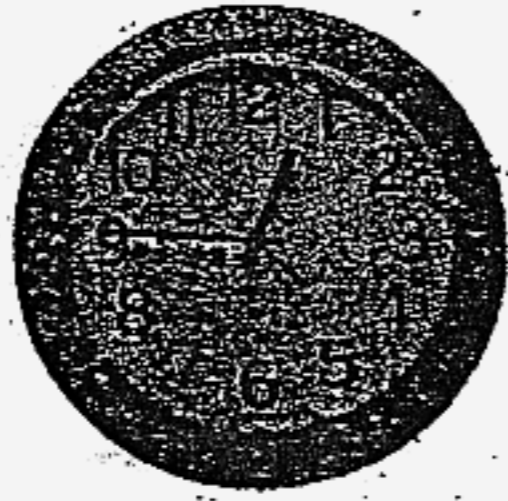


Ans: cm

21. The library is open from 9.15 a.m. to 9.30 p.m.
How long is it open each day?
Give your answer in hours and minutes.

Ans: min

22. The time shown on the clock is about a quarter to _____.



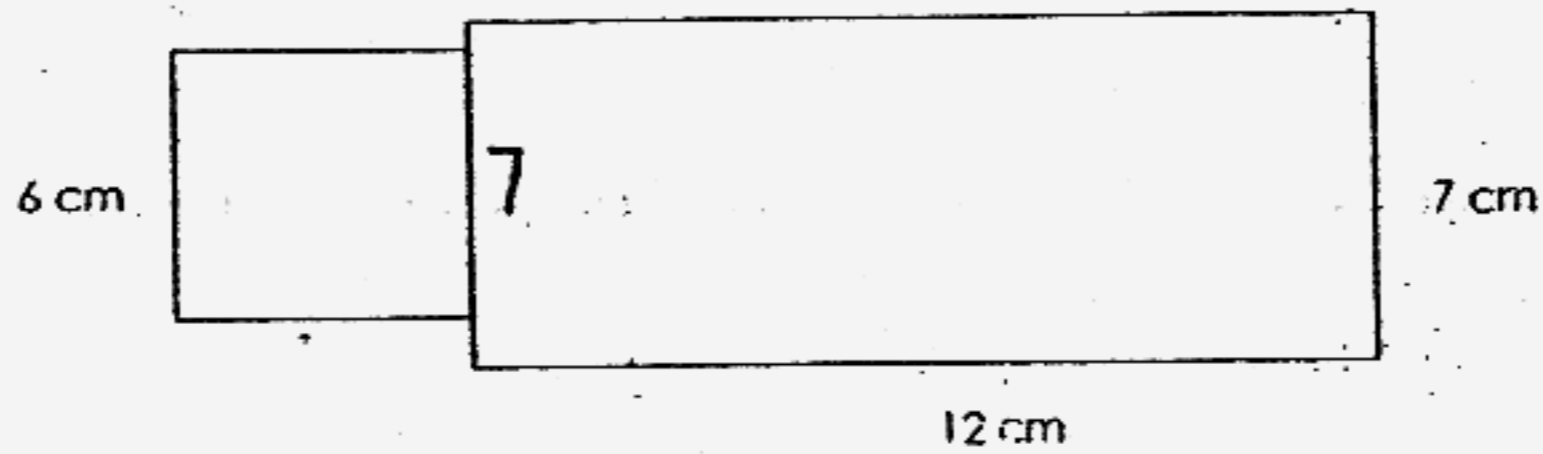
Ans:

23. Arrange the following in ascending order.

$$\frac{3}{4}, \frac{1}{6}, \frac{2}{3}$$

Ans:

24. The figure, not drawn to scale, is made up of a square and a rectangle. Find the area.

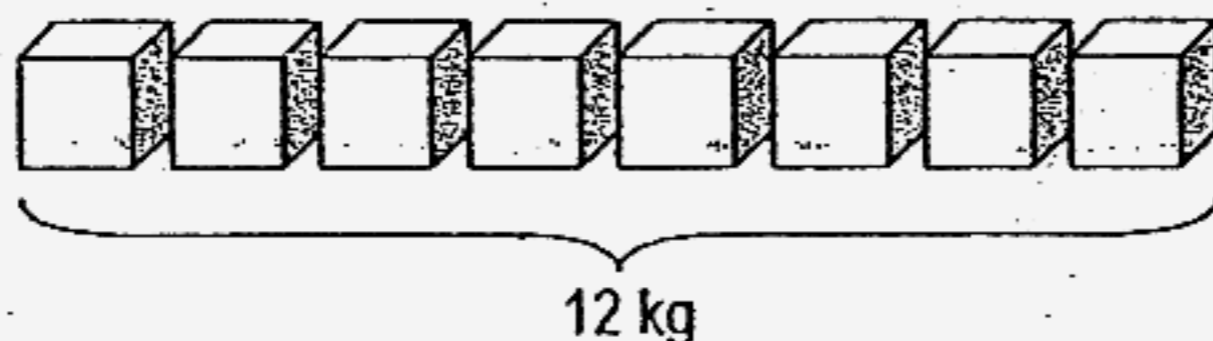


Ans: cm²

25. 3 h 25 min = _____ min

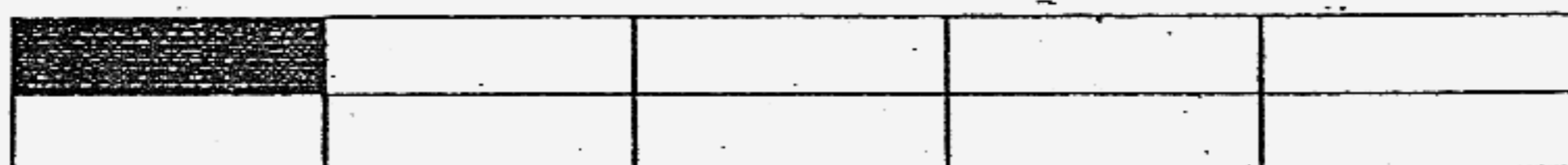
Ans: min

26. The mass of 8 similar boxes is 12 kg. What is the mass of 4 such boxes?



Ans: kg

27. Halim wants to shade $\frac{3}{5}$ of the figure. How many more parts must he shade?



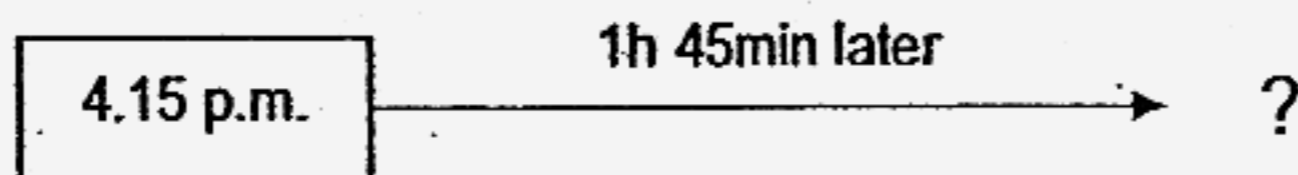
Ans:

28. If $\star \times \ominus = 54$
 and $\ominus \times \ominus = 36$
 then $\star \times \star = \boxed{?}$

The missing number is _____

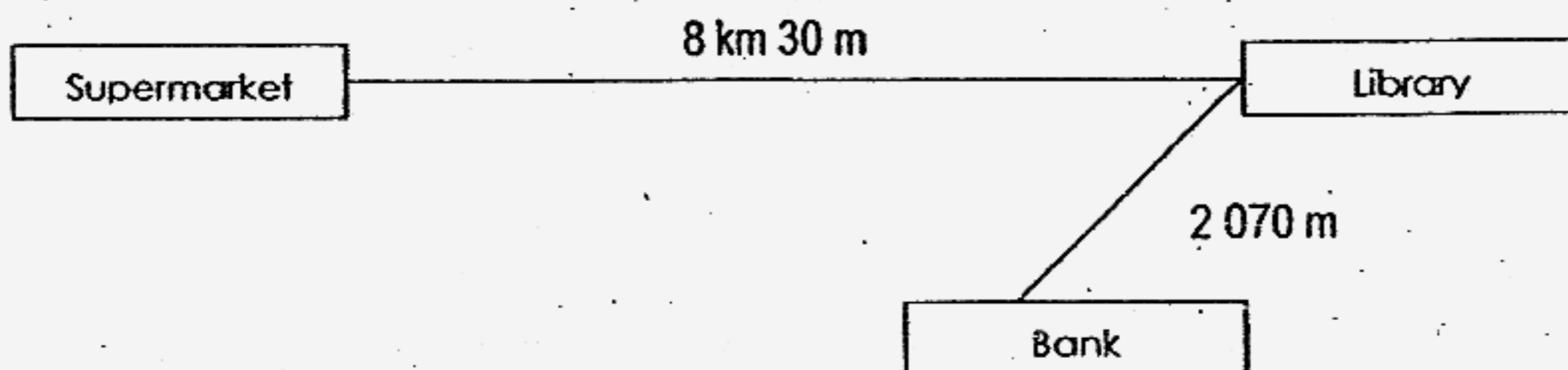
Ans:

29. Jack watched a TV programme at 4.15 p.m. The programme lasted 1h 45min. At what time did it end ?



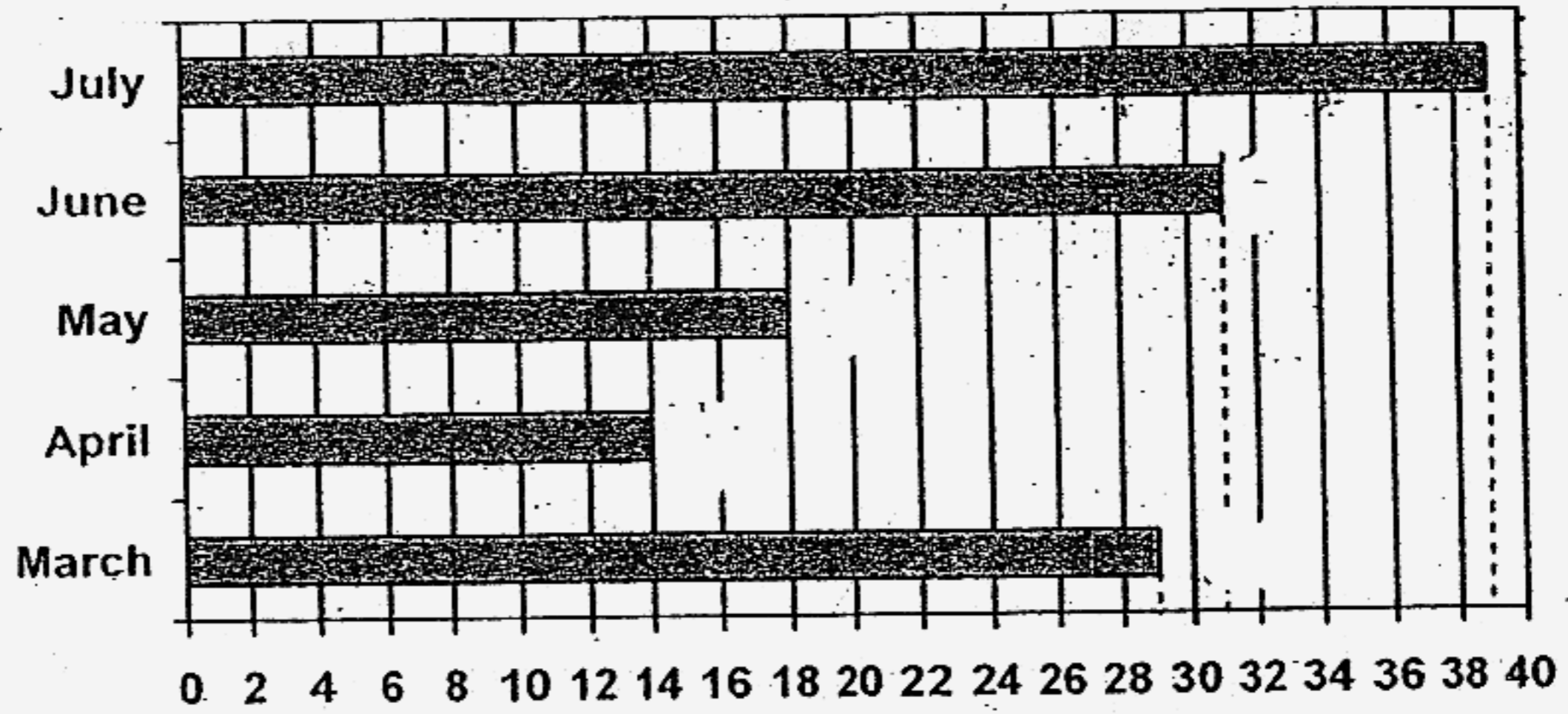
Ans: p.m.

30. Mrs Mohan drove from the supermarket to the library and then to the bank. What is the total distance travelled ?



Ans: km m

The bar graph below shows the number of goldfish sold by Ramu in the last 5 months. Use the graph to answer questions 31 and 32.



31. Ramu sold the least number of goldfish in the month of _____.

Ans:

32. Ramu sold _____ more goldfish in March and May than in July.

Ans:

33. A 3-cm square has a perimeter of _____ cm.



Ans:

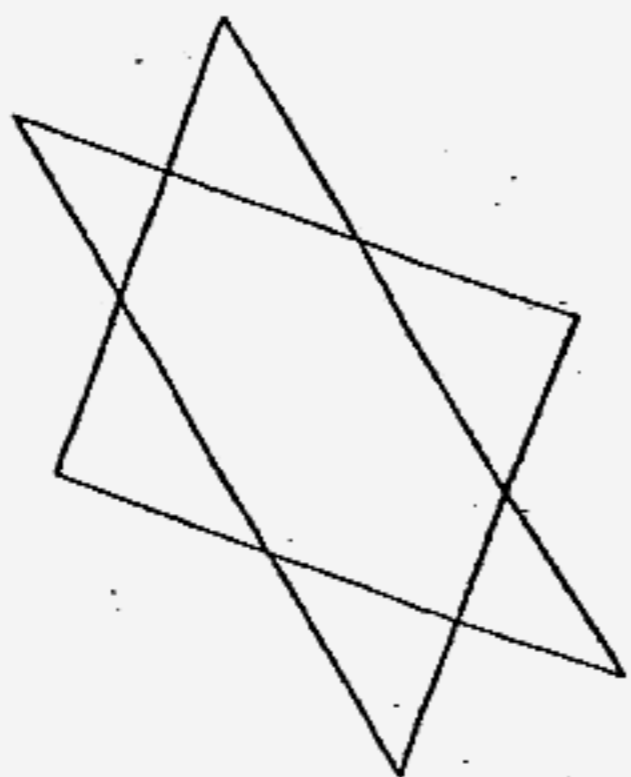
34. Jaya wants to buy 10 oranges from the supermarket. What is the minimum amount of money needed to pay for the oranges ?



Oranges 3 for \$2 1 for 90¢

Ans:

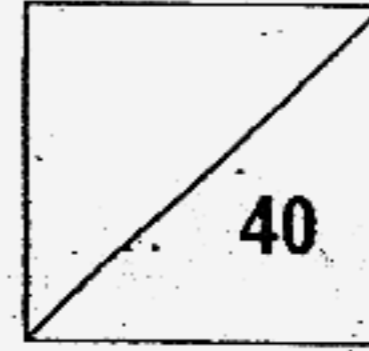
35. How many pair(s) of parallel lines are there in the figure below.



Ans:

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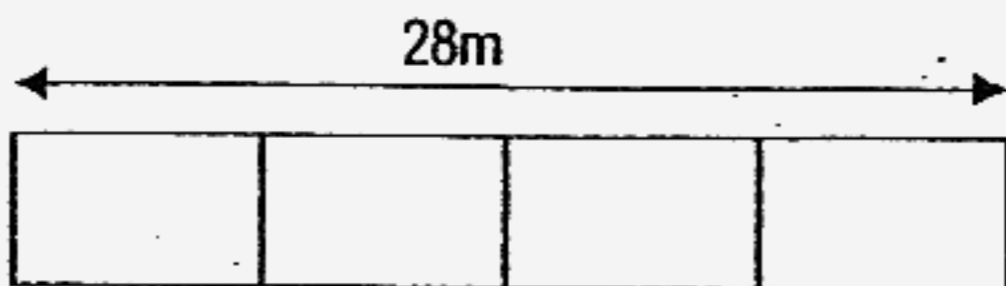
Section C (40 marks)

For each of the following problems, show all your working clearly and write your answers in the spaces provided.

36. Lily saved \$180 in March. She saved \$40 more in April.
How much money did she save in the two months?

Answer : _____

37. Mrs Phan bought 28 m of ribbon. She used $\frac{1}{4}$ of it to tie a present.
How many metres of ribbon had she left?



Answer : _____

38. A container has 800 ml of water. When 900 ml of water is added, 350 ml of water overflowed. What is the capacity of the container?

Answer : _____

39. A, B and C are containers. A can hold twice as much water as B. B can hold four times as much water as C. If the capacity of B is 44l, find the total capacity of A and C.

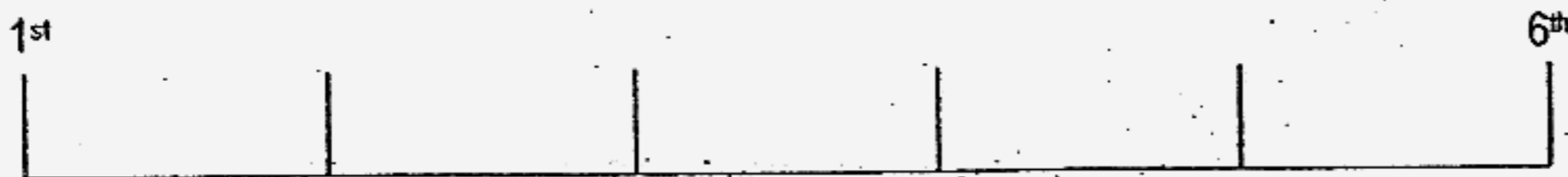
Answer : _____

40. Kim went shopping and bought some items.
She paid the cashier \$100 and received a change of \$13.50.
She accidentally tore the receipt below.
How much did the dress cost?

Girl's Paradise	
Receipt No. 26159	
Necklace	\$12.80
Shoes	\$34.20
Dress	\$3
Total	

Answer : _____

41. Some trees are planted at equal distance from each other. The distance between the 2nd tree and the 5th tree is 12 m. Find the distance between the 1st and 6th tree?

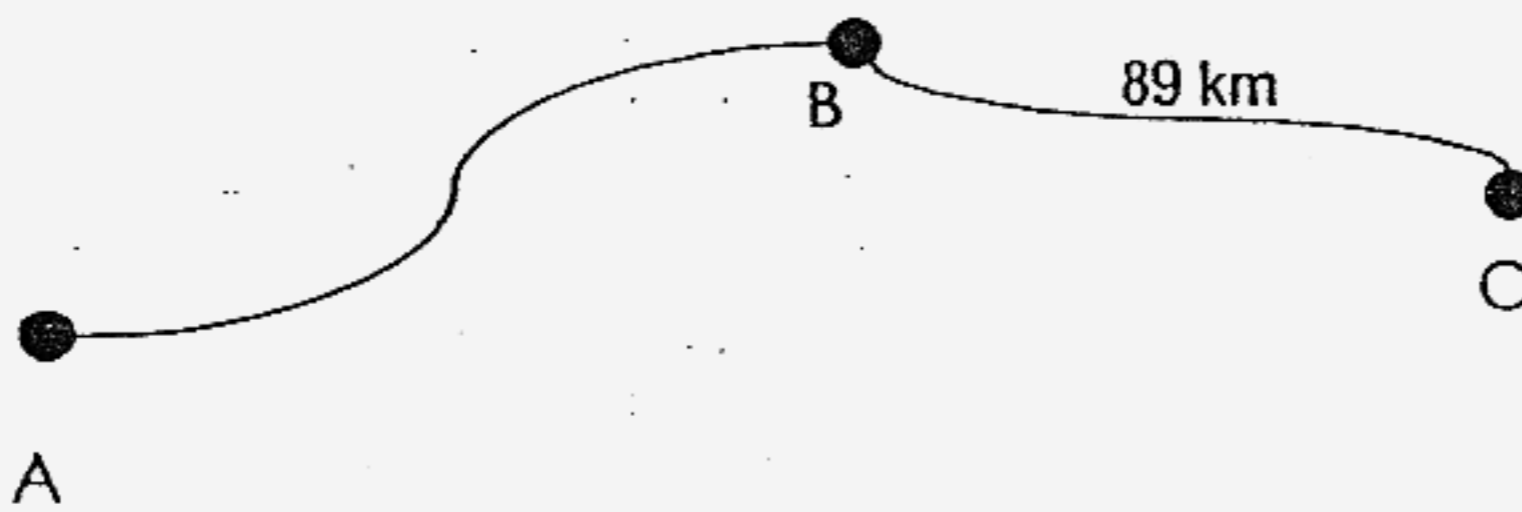


Answer: _____

42. Audrey had some stamps. Rachel had 90 more stamps than Audrey. When all the stamps were shared equally between them, each of them got 190 stamps. How many stamps did Audrey have at first?

Answer: _____

43. Study the figure below. The total distance between A and C is 194 km. How much nearer is B to C than B to A?

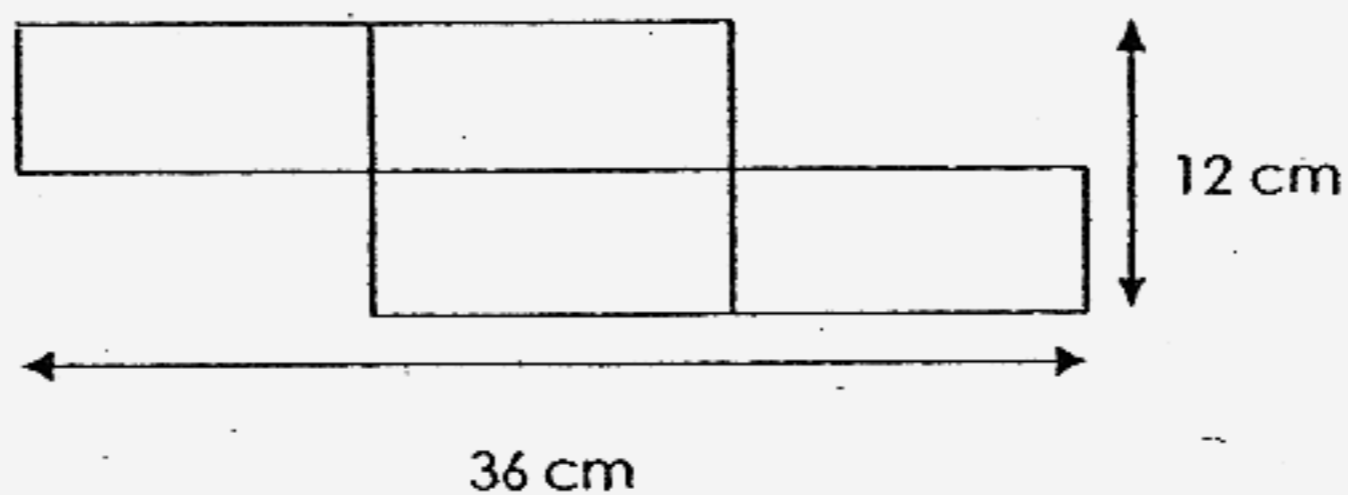


Answer: _____

44. When three girls stood on a weighing scale together, it read 104 kg. One of the girls stepped off and the scale moved down to 74 kg. Another girl jumped off and the scale showed 35 kg. What was the mass of the heaviest girl?

Answer: _____

45. The figure below is made up of 4 identical rectangles. Find the area of one of the rectangles.



Answer: _____

End-of-Paper

**Tao Nan Primary School
Primary 3 SA2 Maths Exams (2007)**

Answer Keys

- | | | | | |
|------------------------|-------|-------|---|-------|
| 1) 3 | 2) 3 | 3) 3 | 4) 2 | 5) 1 |
| 6) 1 | 7) 4 | 8) 1 | 9) 3 | 10) 3 |
| 11) 2 | 12) 2 | 13) 2 | 14) 4 | 15) 1 |
| 16. 305 | | | 17. 274 | |
| 18. 2 | | | 19. 4 | |
| 20. 220cm | | | 21. 12hrs 15mins | |
| 22. 1 | | | 23. $\frac{1}{6}, \frac{2}{3}, \frac{3}{4}$ | |
| 24. 120cm ² | | | 25. 205mins | |
| 26. 6kg | | | 27. 5 | |
| 28. 81 | | | 29. 6.00pm | |
| 30. 10km 100m | | | 31. April | |
| 32. 8 | | | 33. 12cm | |
| 34. \$6.90 | | | 35. 3 | |

36. $\$180 + \$40 = \$220$
 $\$180 + \$220 = \$400$
 She saved \$400 n both months.
37. $28 \div 4 = 7$
 $7 \times 3 = 21$
 She had 21m ribbon left.
38. $800 + 900 = 1700$
 $1700 - 150 = 1350$
 The capacity of the container is 1l 350ml.
39. $44 \times 2 = 88$
 $44 \div 4 = 11$
 $88 + 11 = 99$
 The total capacity of A and C is 99l.
40. $10000 - 1350 = 8650$
 $1280 + 3420 = 4700$
 $8650 - 4700 = 3950$
 The dress cost \$39.50
41. $12 \div 3 = 4$
 $4 \times 5 = 20$
 The distance between the 1st and 6th tree is 20m.
42. $109 \times 2 = 380$
 $380 - 90 = 290$
 $290 \div 2 = 145$
 Audrey had 145 stamps at first.
43. $194 - 89 = 105$
 $105 - 89 = 16$
 B to C is 16km nearer than B to A.
44. $104 - 74 = 30$
 $30 + 35 = 65$
 $104 - 65 = 39$
 The mass of the heavier girl is 39kg.
45. $36 \div 3 = 12$
 $12 \div 2 = 6$
 $12 \times 6 = 72$
 The area of the rectangle is 72cm².