

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 4

Second Semestral Assessment – 2007

Mathematics

11 October 2007

Test Score :

Parent's signature: _____

100

Duration of Paper: 1 h 45 min

Do not open the booklet until you are told to do so
Follow all instructions carefully

SECTION A: (20 X 2 marks)

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 SHADE the oval completely.

1. The digit 7 in 72 091 is in the _____ place.

1) tens

2) hundreds

3) thousands

4) ten thousands

2. What is the smallest common multiple of 3 and 9?

1) 3

2) 9

3) 18

4) 27

3. The sum of 468 and 1010 when rounded off to the nearest ten is _____.

1) 1 400

2) 1 470

3) 1 480

4) 1 500

4. The table below shows the number of apples and oranges sold by Mr Khoo on 4 days.

| Day | Number of apples sold | Number of oranges sold |
|-----------|-----------------------|------------------------|
| Monday | 57 | 46 |
| Tuesday | 63 | 57 |
| Wednesday | 68 | 55 |
| Thursday | 54 | 48 |

On which day did Mr Khoo sell the most number of fruits?

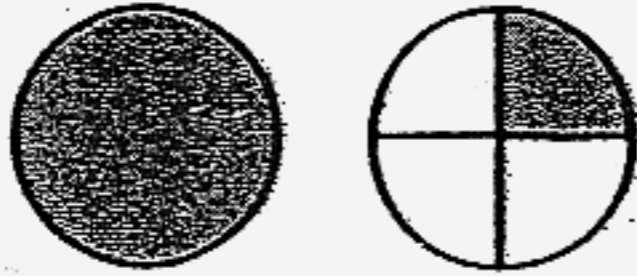
1) Monday

2) Tuesday

3) Wednesday

4) Thursday

5. How many quarters are shaded below?



1) 5

2) 4

3) 3

4) 2

6. Which of the following does not have the same value as $27 \div 6$?

1) $\frac{54}{12}$

2) $\frac{9}{2}$

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

4) $2\frac{7}{6}$

7. Find the difference between $\frac{7}{12}$ and $\frac{1}{4}$

1) $\frac{1}{4}$

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

3) $\frac{5}{6}$

4) $\frac{11}{12}$

8. Mrs Singh bought 5 kg of rice. If her family ate $\frac{7}{10}$ of it, how much rice was left?

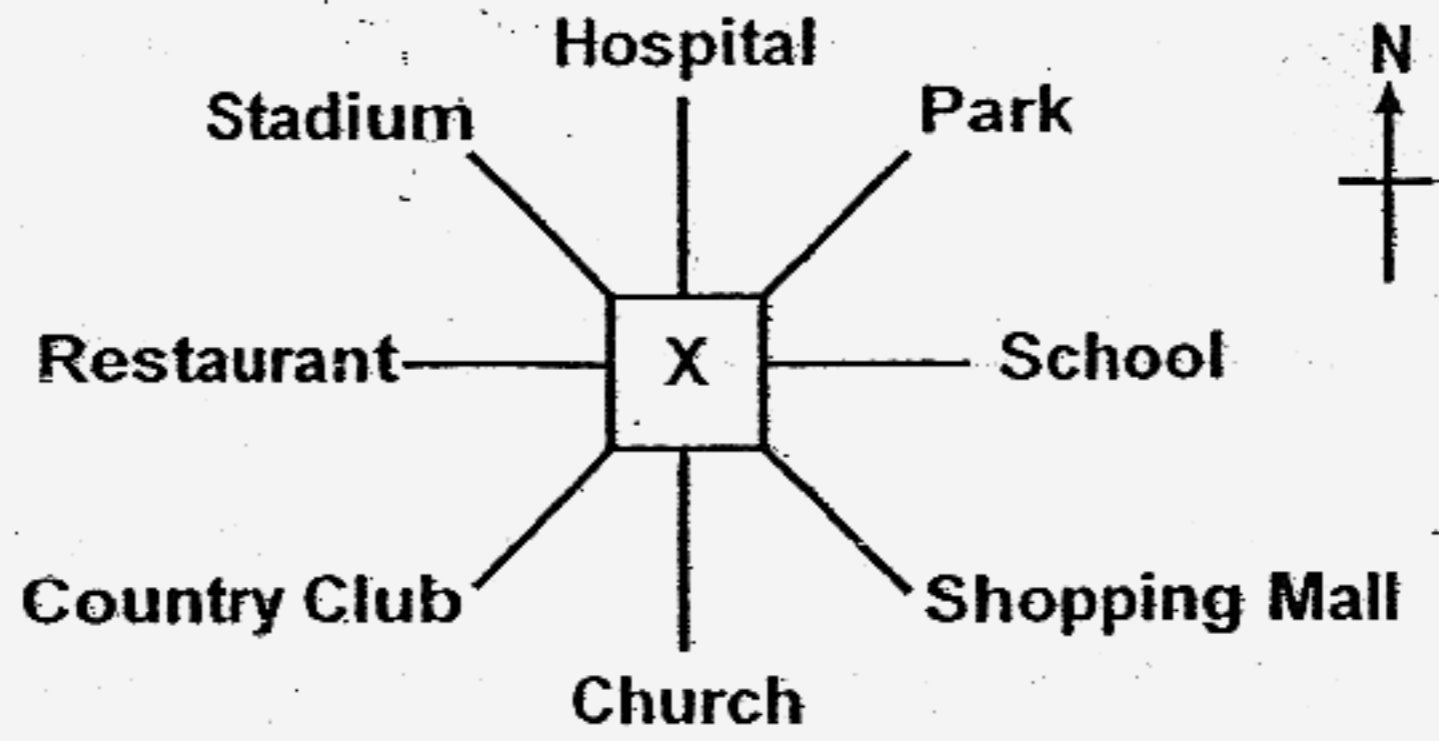
1) $\frac{7}{10}$ kg

2) $1\frac{1}{2}$ kg

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

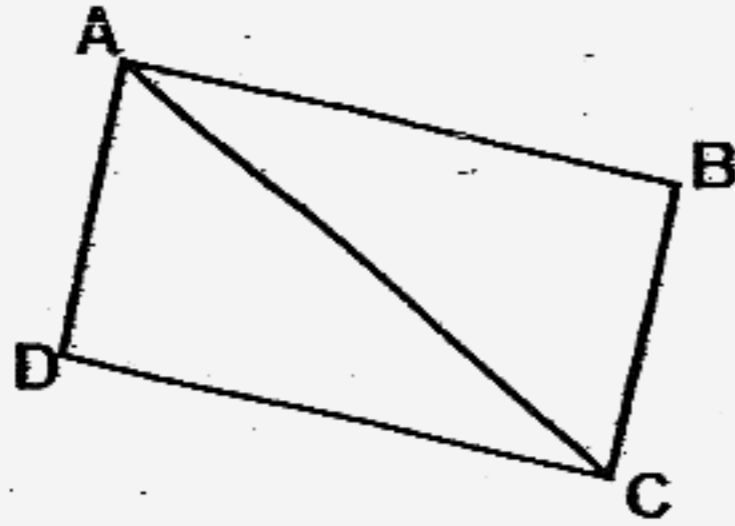
4) $4\frac{3}{10}$ kg

9. Look at the diagram below. If Kate is standing at X facing north-east, where will she be facing after turning 225° anti-clockwise?



- | | |
|---------------|-------------|
| 1) Church | 2) Hospital |
| 3) Restaurant | 4) School |

10. ABCD is a rectangle. Which of the following lines is parallel to AB?



- | | |
|-------|-------|
| 1) AC | 2) AD |
| 3) BC | 4) CD |

11. The area of a square is 49 cm^2 . What is its perimeter?

- | | |
|----------|----------|
| 1) 7 cm | 2) 14 cm |
| 3) 28 cm | 4) 49 cm |

12. A rectangular piece of paper measures 12 cm by 7cm. It is $\frac{1}{4}$ coloured. What is the area of the paper not coloured?

- | | |
|---------------------------------|----------------------|
| 1) $9\frac{1}{2} \text{ cm}^2$ | 2) 21 cm^2 |
| 3) $28\frac{1}{2} \text{ cm}^2$ | 4) 63 cm^2 |

19. How many minutes are there in 720 s?

1) 12 min

2) 24 min

3) 36 min

4) 72 min

20. What is 19 45 when expressed using the 12-hour clock?

1) 7.45 a.m.

2) 9.45 a.m.

3) 7.45 p.m.

4) 9.45 p.m.

SECTION B: (18 x 2 marks)

Write your answers in the blanks provided. Show your workings clearly.

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this space

21. Write the following in numerals:

Seventy thousand, eight hundred and seventeen.

Ans: _____

22. Find the sum of all the common factors of 18 and 24.

Ans: _____

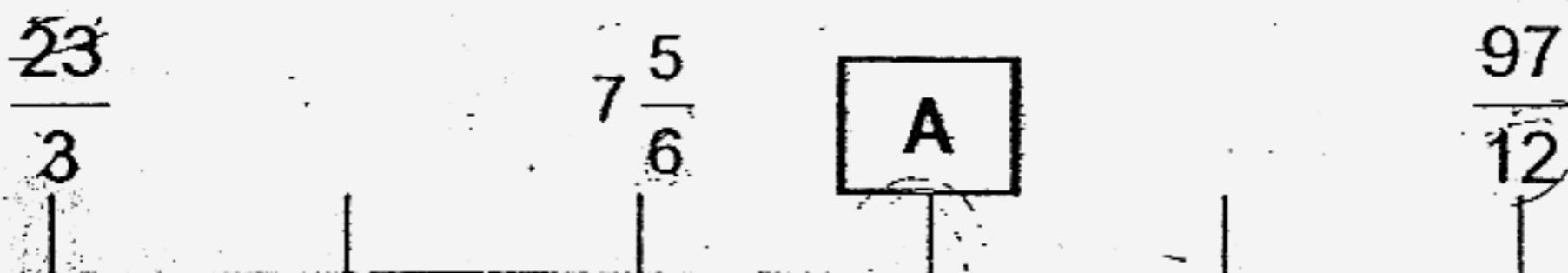
23. Express $\frac{17}{8} + \frac{19}{6}$ as a mixed number.

Ans: _____



24. What is the value of A as an improper fraction?

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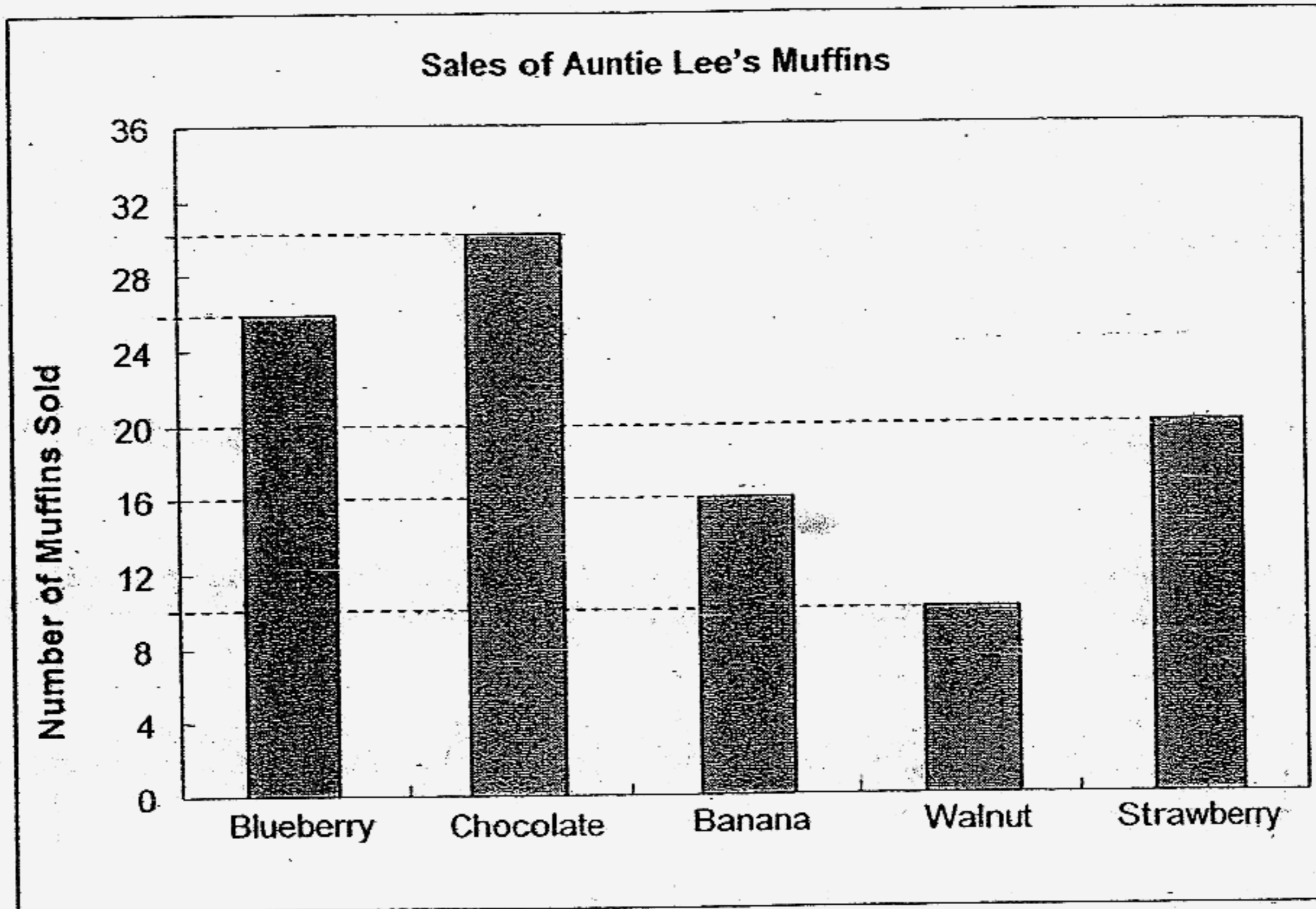
Ans: _____

25. A shop sold 15 dresses. If this was $\frac{5}{8}$ of the original number of dresses, find the number of dresses the shop had at first.

Ans: _____

Use the graph to answer questions 26 and 27.
 The graph shows the number of muffins sold in Auntie Lee's muffin shop on a particular day.

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26. What type of muffins was sold 3 times as many as walnut muffins?

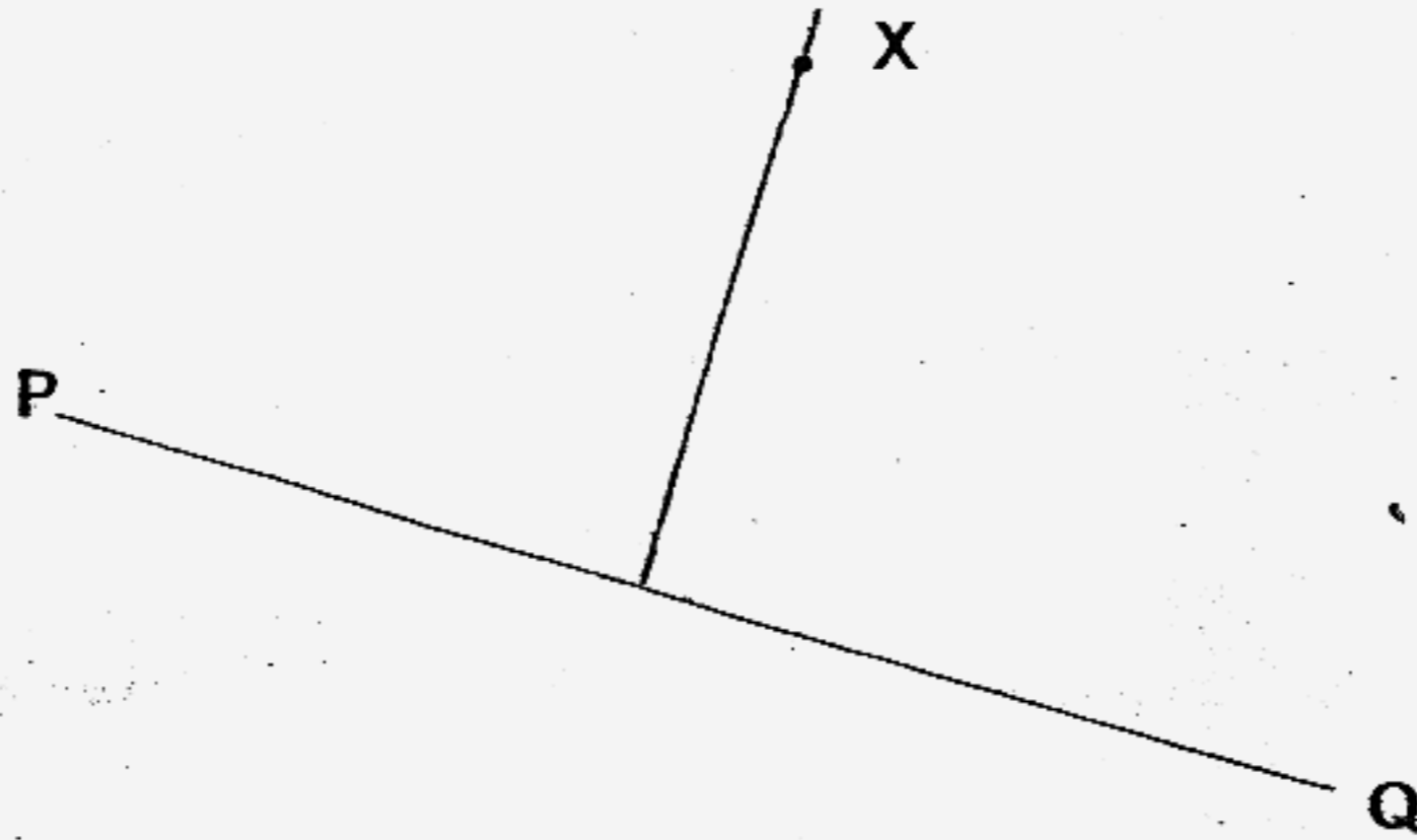
Ans: _____

27. Each type of muffins cost \$2. How much did Auntie Lee receive from selling all the muffins?

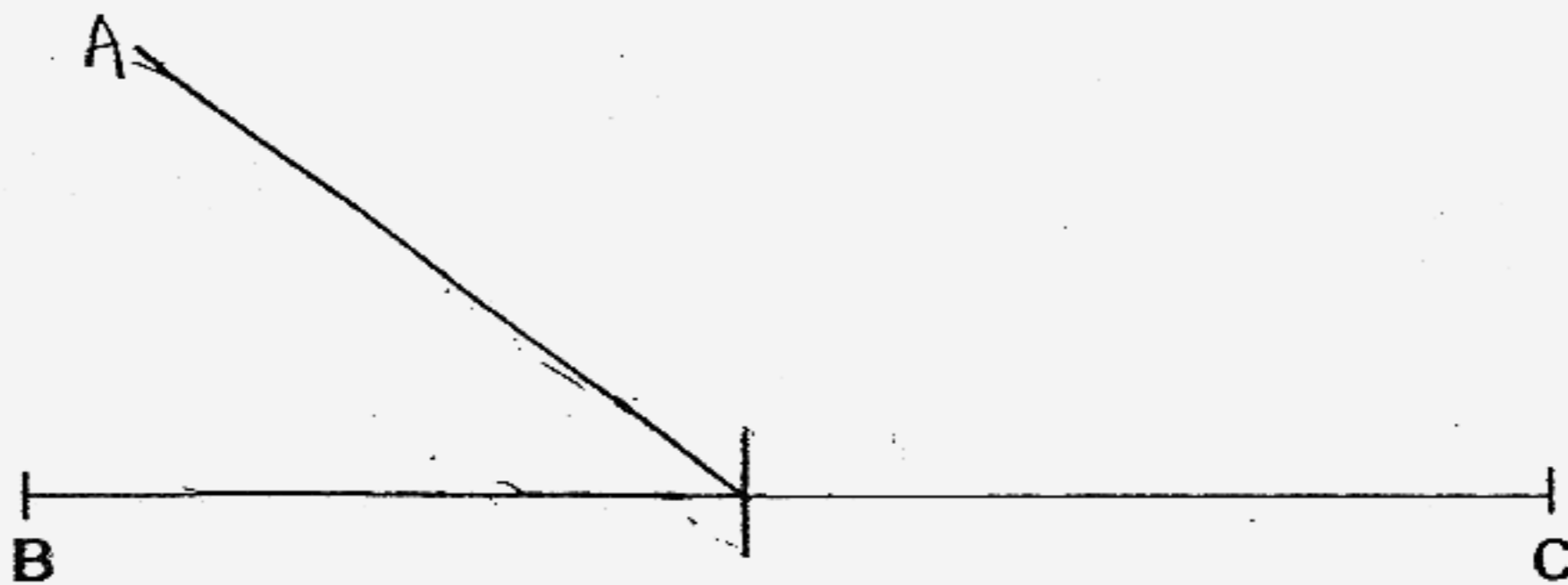
Ans: \$ _____

28. Draw a line perpendicular to PQ passing through point X.

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29. Use the marked end point of the line below to draw $\angle ABC = 36^\circ$.
Label the angle clearly.



30. Write the difference between 76 hundredths and 18 thousandths as a decimal.

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this space

Ans: _____

31. Arrange the following numbers in descending order:

4.608, 4.68, $4\frac{4}{5}$, 4.806

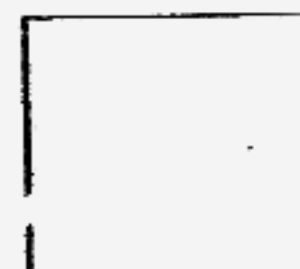
Ans: _____, _____, _____, _____

32. Look at the number pattern below. Find A and B and write as decimals.

0.095, 0.107, 0.227, A, 0.359, 0.371, B

Ans: A = _____

B = _____



33. Find the value of $92.61 \div 7$.

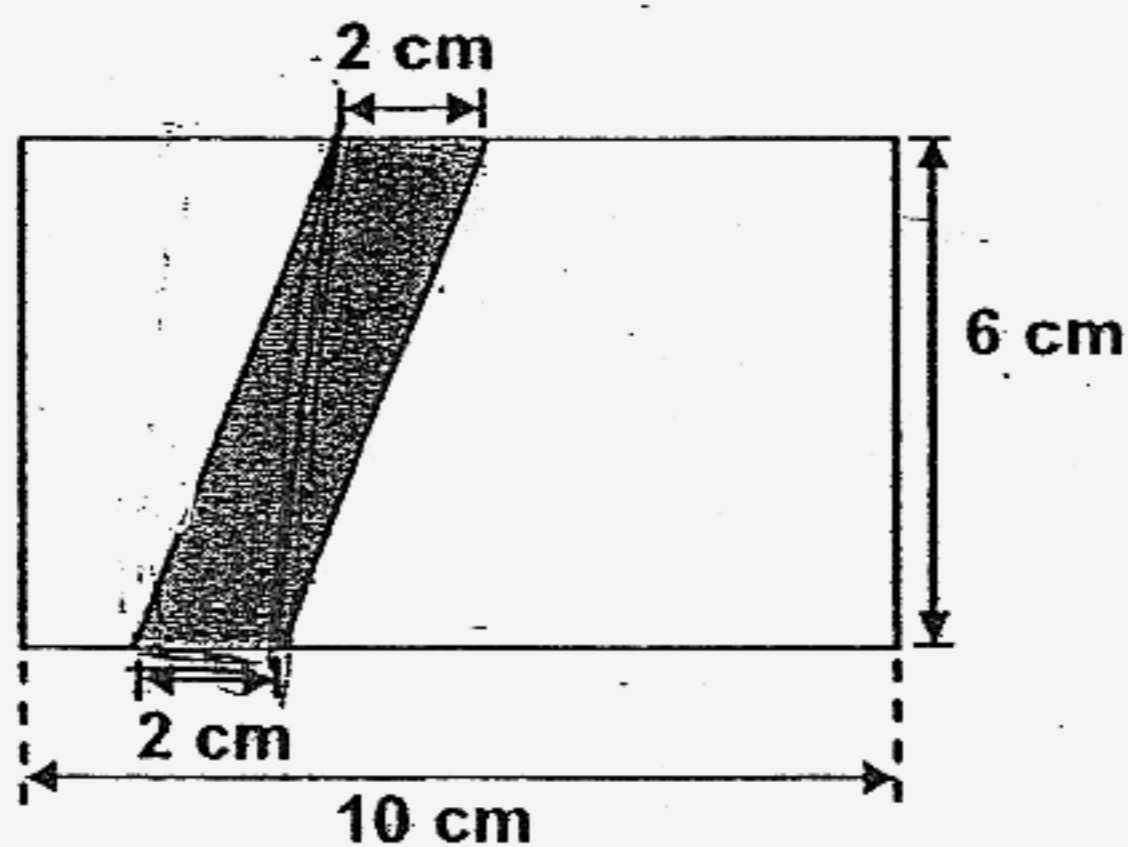
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Ans: _____

34. Round off each amount to the nearest tenth litre.
Then estimate the value of $5.26 \text{ l} + 4.87 \text{ l}$

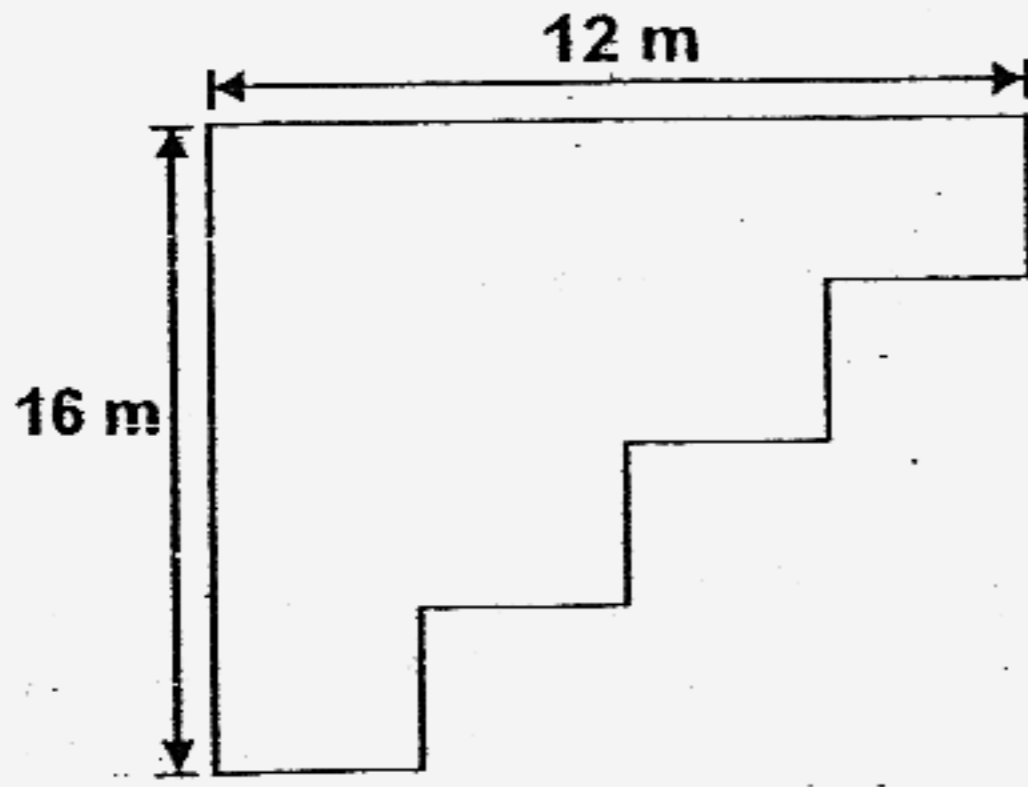
Ans: _____ l

35. Jeremy cut the shaded portion from a piece of rectangular paper as shown below. What is the area of remaining piece of paper?



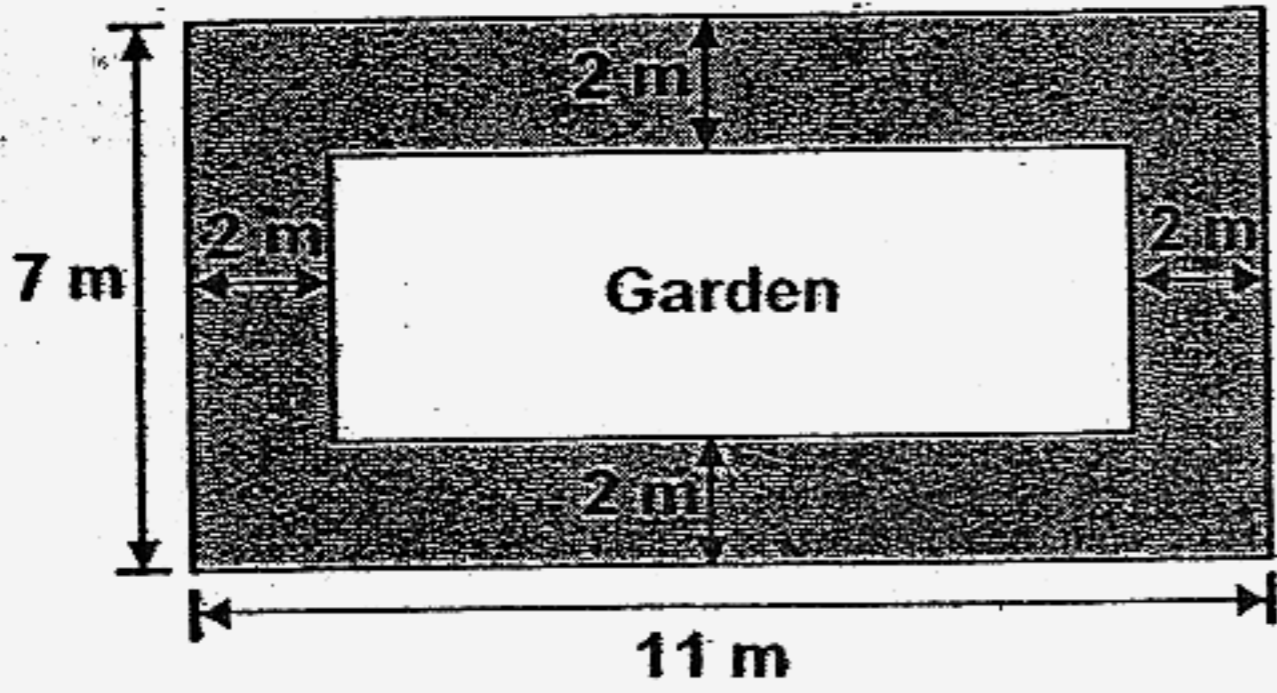
Ans: _____ cm^2

36. What is the perimeter of the figure below? (All lines meet at right angles.)



Ans: _____ m

37. A rectangular garden is surrounded by a 2-m wide path as shown below. What is the area of the garden?



Ans: _____ m²

38. A concert started at 19 45. It ended at 22 05. How long was the concert?

Ans: _____ h _____ min

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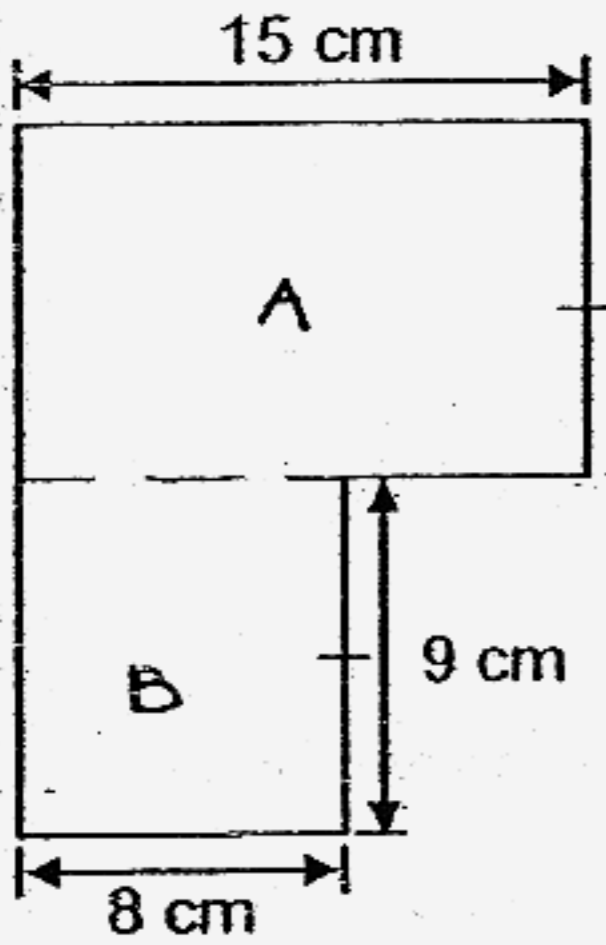
35

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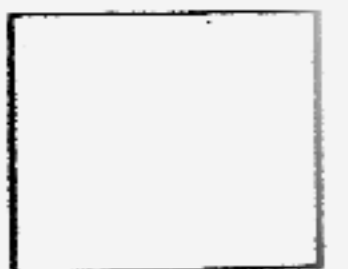
SECTION C: (6 x 4 marks)

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

39. Find the area of the figure below. (All lines meet at right angles.)



Ans: _____ (4m)



40. Mrs Ng had 6560 g of flour. She used 230 g and gave some flour to her neighbour. Then Mrs Ng had $\frac{5}{8}$ of the original amount of flour left.
How much flour did her neighbour receive?

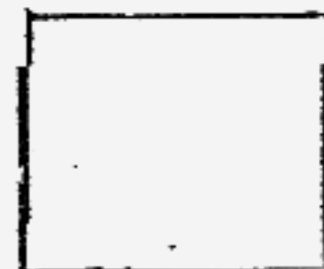
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Ans: _____ (4m)

41. The total mass of Siti, her father and her mother is 149.2 kg. The mass of Siti's father is 3 times that of Siti. He is also 21.6 kg heavier than Siti's mother. How heavy is Siti's mother?

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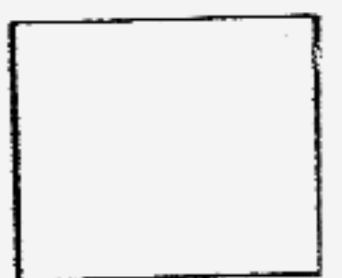
Ans: _____ (4m)



42. Victor spent \$5.45 on 12 pens and pencils. If each pen costs \$0.60 and each pencil costs \$0.25, find the number of pens and the number of pencils Victor bought.

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Ans: _____ pens
_____ pencils (4m)



43. Chee Keong took 35 minutes to travel from his home to the stadium to watch a football match. He reached the stadium 20 minutes before the match started. If the match lasted 1 h 45 min and ended at 21 30, when did Chee Keong leave his home?

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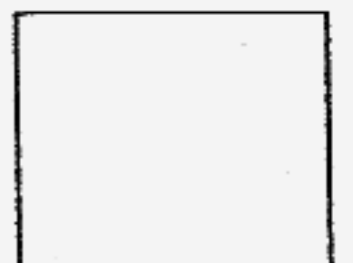


Ans: _____ (4m)

44. Adam had 4 times as many Singapore stamps as China stamps. After he gave away 678 Singapore stamps to his friend in exchange for 393 China stamps, Adam now has the same number of Singapore stamps as China stamps. What is the total number of stamps Adam had at first?

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Ans: _____ (4m)



End of paper

**CHIJ Primary School
Primary 4 SA2 Maths Exam (2007)**

Answer Keys

- 1) 4 2) 2 3) 3 4) 3 5) 1
 6) 4 7) 2 8) 2 9) 1 10) 4
 11) 3 12) 4 13) 1 14) 3 15) 3
 16) 2 17) 2 18) 1 19) 1 20) 3

21. 7817

22. 12

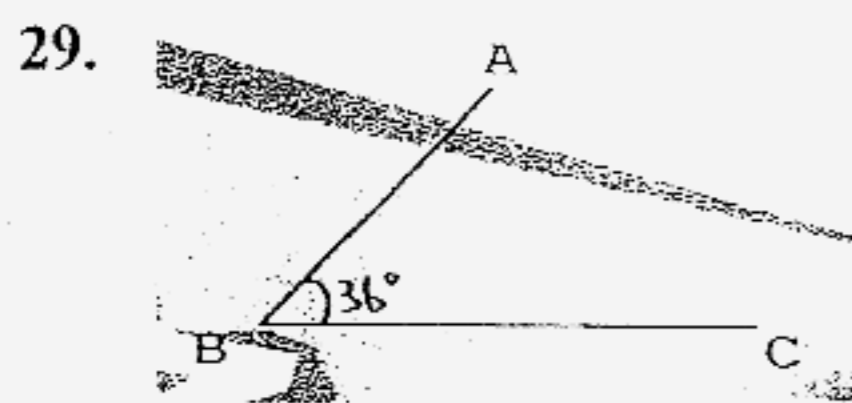
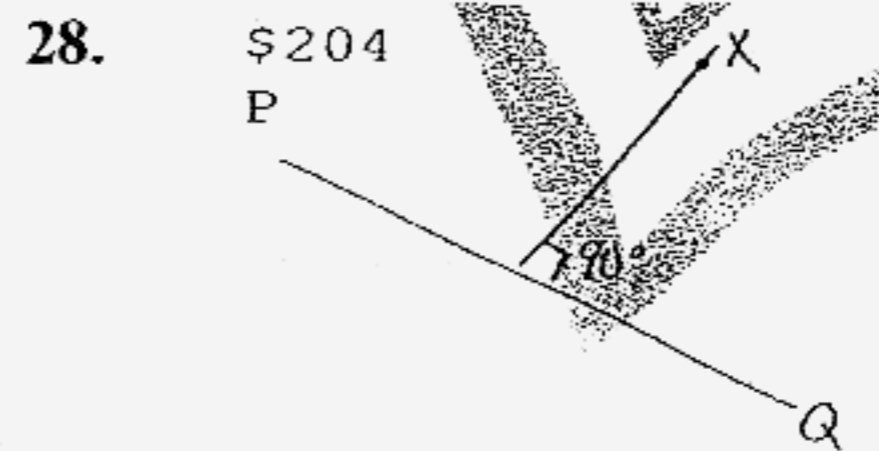
23. $5\frac{7}{24}$

24. $\frac{95}{12}$

25. 24

26. chocolate

27. \$204



30. 0.742

31. 4.806, $4\frac{4}{5}$, 4.68, 4.608

32a. 0.239
 32b. 0.491

33. 13.23

34. 1.02

35. 56cm²

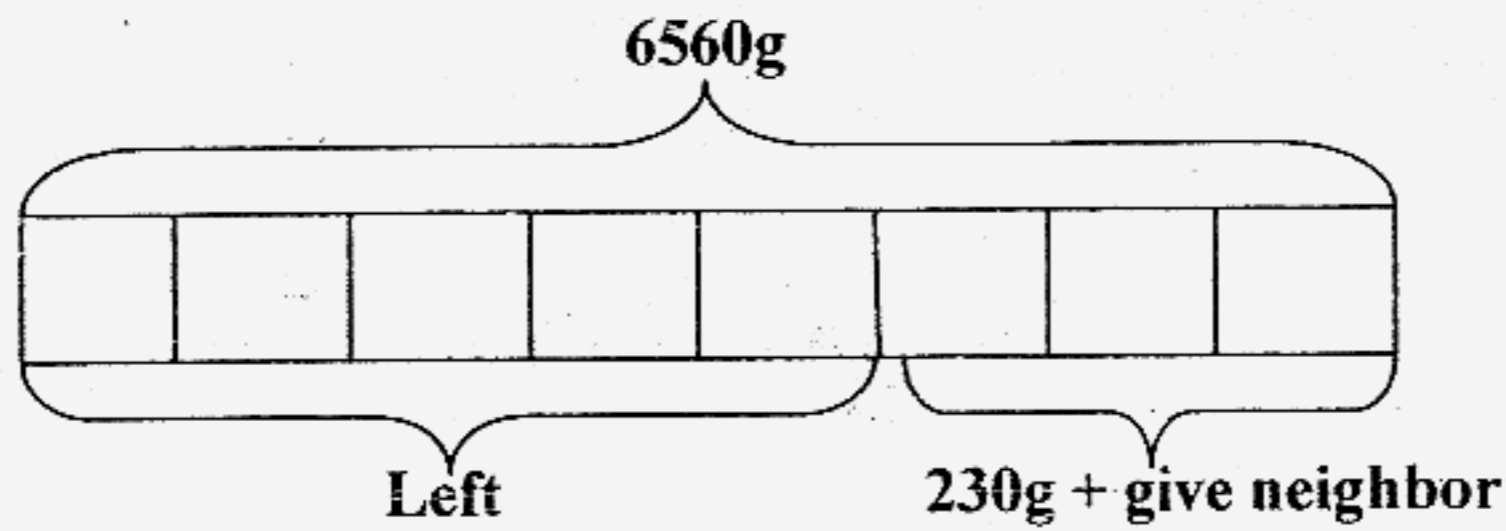
36. 56m

37. 21m²

38. 2hrs 20mins

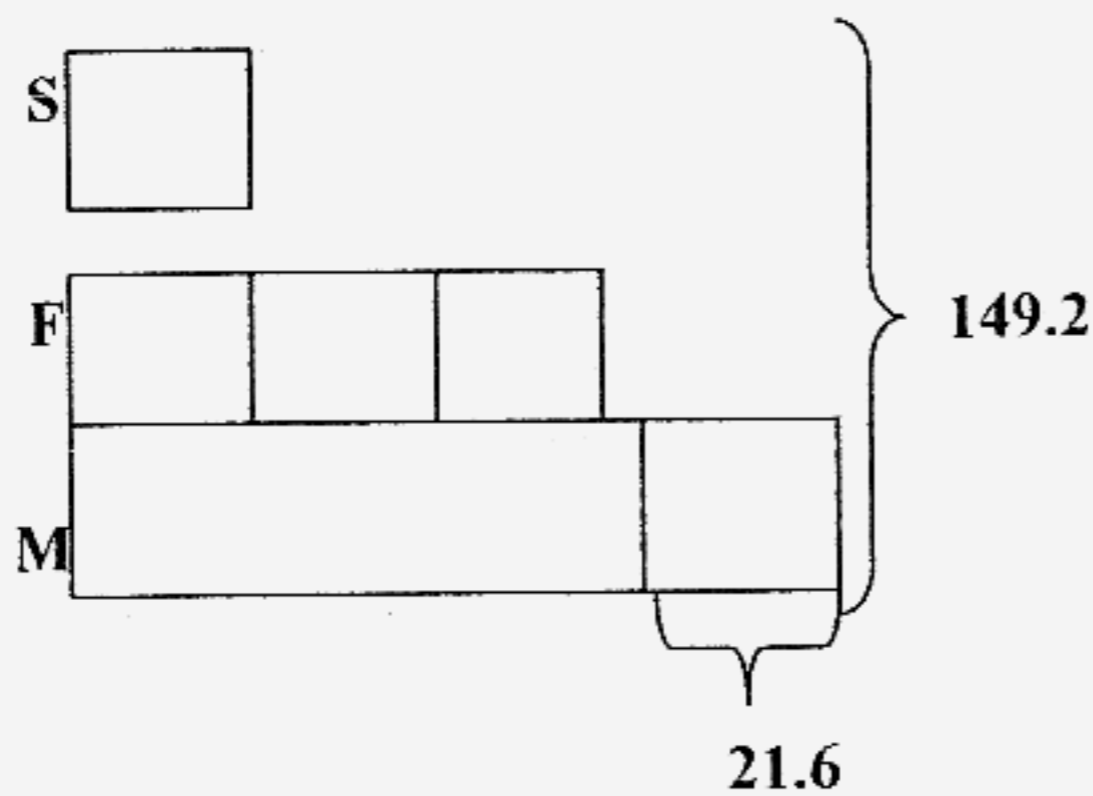
39. Area of A = $15\text{cm} \times 9\text{cm} = 135\text{cm}^2$
 Area of B = $9\text{cm} \times 8\text{cm} = 72\text{cm}^2$
 Total area = $72\text{cm}^2 + 135\text{cm}^2 = 207\text{cm}^2$
 The total area is 207cm^2

40.



1 unit = $6560\text{g} \div 8 = 820\text{g}$
 Left = $820\text{g} \times 5 = 4100\text{g}$
 3 units = $6560\text{g} - 4100\text{g} = 2460\text{g}$
 Neighbour = $2460\text{g} - 230\text{g} = 2230\text{g}$
 Her neighbor received 2230g of flour.

41.



$149.2 + 21.6 = 170.8$
 1 unit + 3 units + 3 units = 7 units
 7 units = 170.8
 1 unit = $170.8 \div 7 = 24.4$
 3 units = $24.4 \times 3 = 73.2$
 Mother = $73.2 - 21.6 = 51.6\text{kg}$
 Siti's mother is 51.6kg

42.

| Pens | Amount | Pencils | Amount | Amt total | check |
|------|--------|---------|--------|-----------|-------|
| 6 | \$3.60 | 6 | \$1.50 | \$5.10 | x |
| 8 | \$4.80 | 4 | \$1.00 | \$5.80 | x |
| 7 | \$4.20 | 5 | \$1.25 | \$5.45 | ✓ |

He bought 7 pens and 5 pencils

43. He left his home at 1850hours

44. $678 + 393 = 1071$

$3 \text{ units} = 1071$

$1 \text{ unit} = 1071 \div 3 = 1785$

$5 \text{ units} = 357 \times 5 = 1785$

Adam had 1785 stamps at first.