AI TONG SCHOOL

2007

SEMESTRAL ASSESSMENT 2

PRIMARY 3

MATHEMATICS

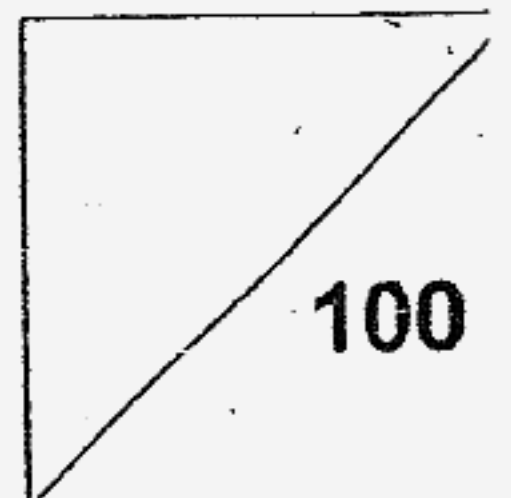**DURATION : 1 h 30 min**

DATE : 25 OCTOBER 2007

INSTRUCTIONS

Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____ ( )

Class : Primary 3_____   Marks:

100

Parent's Signature : _____

Date : _____

SECTION A

Question 1 to 20 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. (40 marks)

1 Form the smallest four-digit <u>even number</u> with 5, 3, 0 and 8.

    1)   3058
    2)   3085
    3)   3580
    4)   3850

2 What is 100 more than 4948?

    1)   4848
    2)   4958
    3)   5048
    4)   5948

3 What is 10 less than 10 x 8?

    1)   8
    2)   70
    3)   80
    4)   90

4 What is the quotient of 76 ÷ 6?

    1)   12
    2)   2
    3)   6
    4)   4

5   What is the total value of 3 two-dollar notes and 5 ten-cent coins?

    1) $2.05
    2) $2.50
    3) $3.05
    4) $6.50

6   Tammy ran 2346 km. Timmy ran 1458 km further than Tammy. How far did Timmy run?

    1)   888 km
    2)   1458 km
    3)   2346 km
    4)   3804 km

7   What is 6 cm shorter than 708 cm?

    1)   108 cm
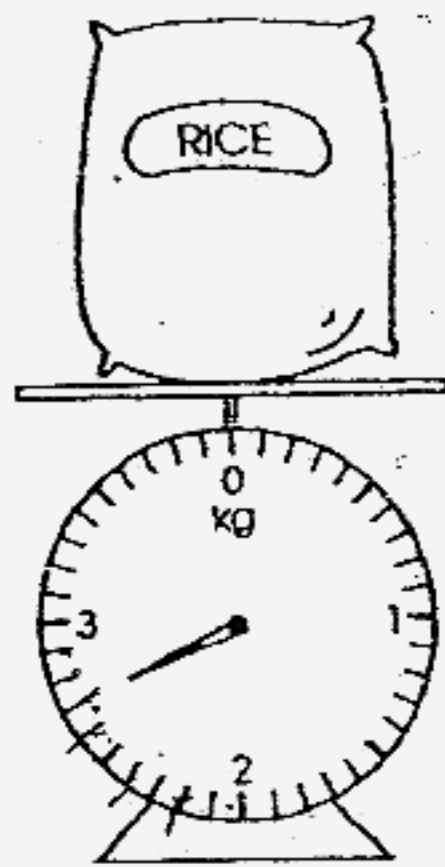   2)   702 cm
    3)   714 cm
    4)   1308 cm

8   Jim bought 36 kg of lychees. He packed them equally into 9 baskets. He sold 6 baskets of the lychees. Find the mass of lychees sold.

    1)   36 kg
    2)   24 kg
    3)   6 kg
    4)   4 kg

9   Clare bought 6 ℓ of orange juice. She drank 2 ℓ 68 mℓ.
    How much orange juice had she left?

    1)   3932 mℓ
    2)   4042 mℓ
    3)   4068 mℓ
    4)   8068 mℓ

10   How heavy is the bag of rice?

1)   2 kg 700 g
2)   2 kg
3)   3 kg
4)   2 kg 350 g

11   If 😊😊😊   stand for $45,

then😊😊😊😊😊   stand for $ _____.

1) $15
2) $45
3) $75
4) $90

12   Dawn cuts a pizza into 6 equal slices. She gives 2 slices to her brother and eats the rest. What fraction of the pizza does she eat?
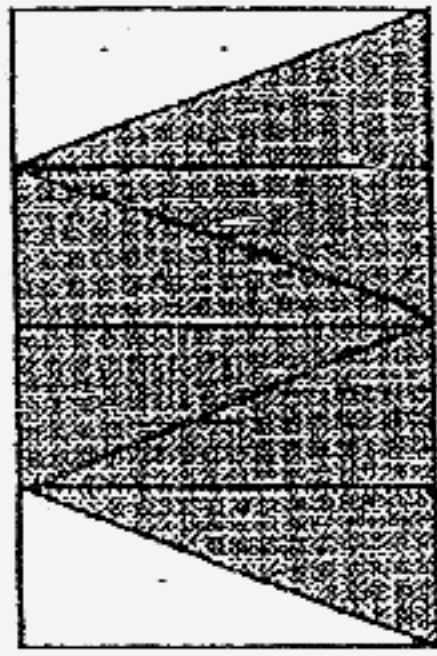
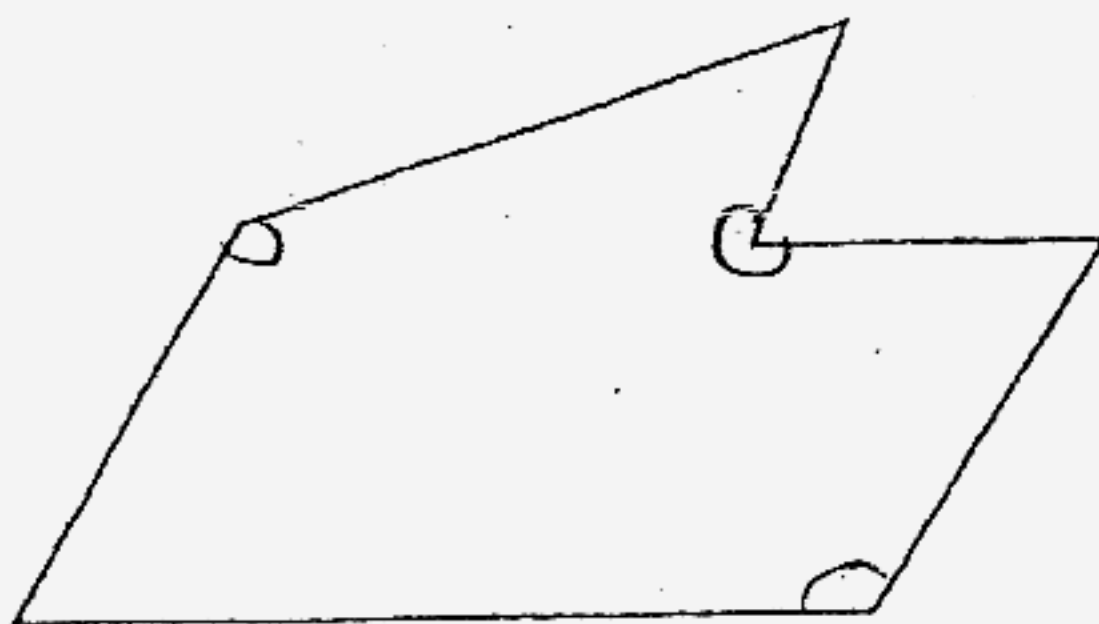1) $\dfrac{2}{6}$

2) $\dfrac{3}{6}$

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

4) $\dfrac{5}{6}$

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13   What fraction of this figure is shaded
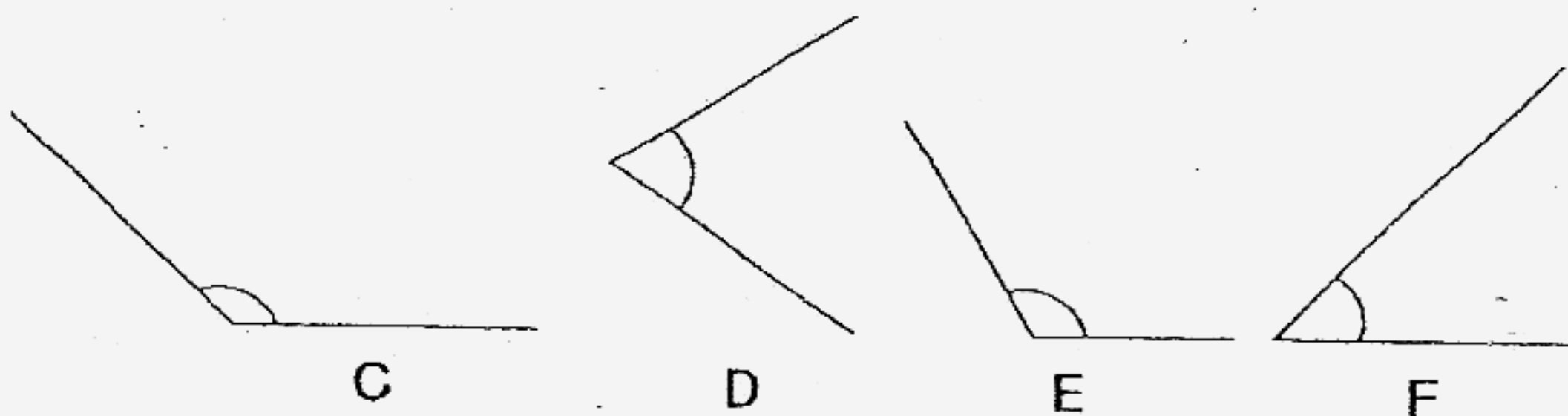

1) $\dfrac{3}{8}$

2) $\dfrac{3}{5}$

3) $\dfrac{5}{8}$

4) $\dfrac{3}{4}$

14   How many angles inside this figure are bigger than a right angle?

1)   1
2)   7
3)   3
4)   4

4

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15   Arrange the angles from the smallest to the biggest.

    C   D   E   F

1) C, D, E and F
2) F, E, D and C
3) F, D, E and C
4) C, E, D and F

16   Mrs Loo reached the supermarket at 8 a.m. She took 1 h 40 min to buy her groceries. What time did she leave the supermarket?

1) 7.40 a.m.
2) 8.40 a.m.
3) 9.00 a.m.
4) 9.40 a.m.

17   What is 175 min in hours and minutes?

1)   1 h 15 min
2)   1 h 75 min
3)   2 h 25 min
4)   2 h 55 min

5

18   The area of the square below is _____ cm².

6 cm
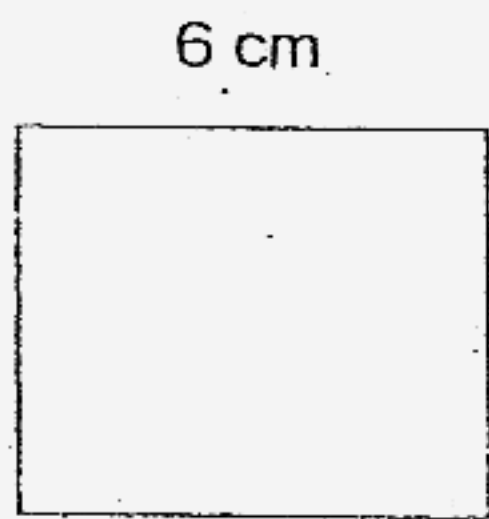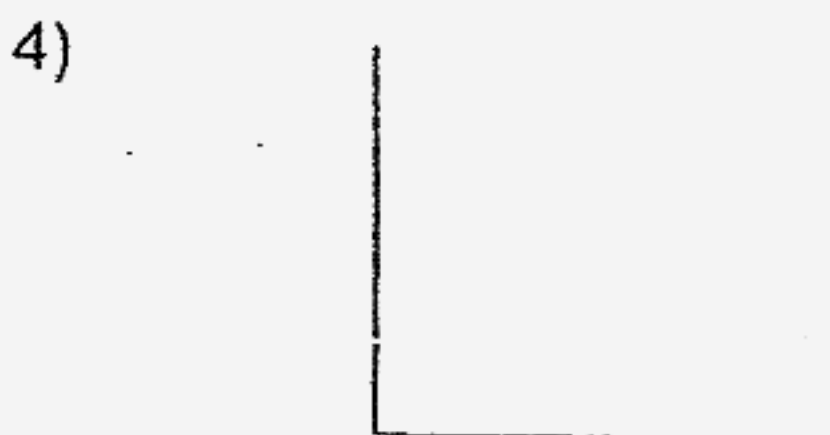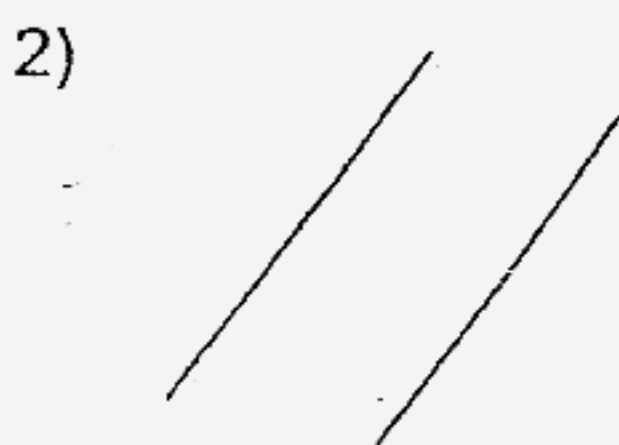
1) 6
2) 12
3) 24
4) 36

19   What is the difference between the areas of Rectangles M and N?

10 cm

8 cm

M

12 cm

N

2 cm
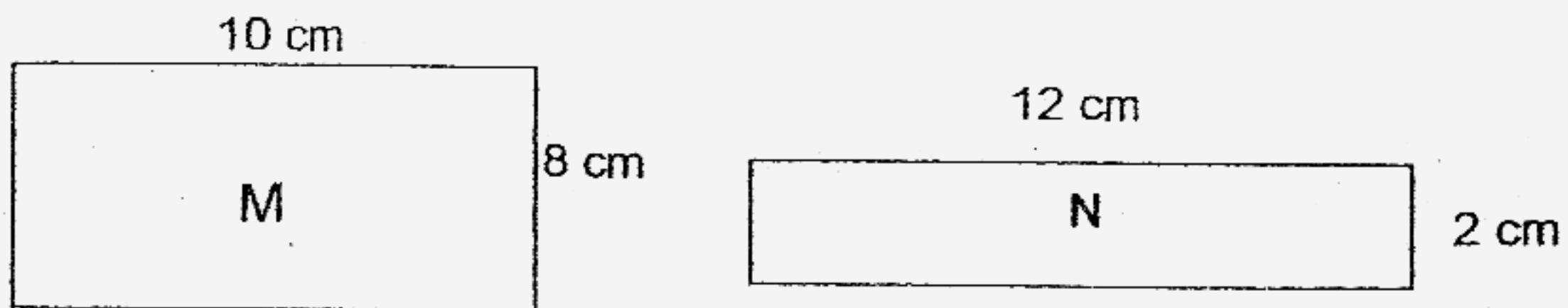
1) 8 cm²
2) 4 cm²
3) 56 cm²
4) 104 cm²

20   Which of the following pairs of lines are parallel?

1)

2)

3)

4)

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6

SECTION B

Questions 21 to 40 carry 2 marks each.

Write your answers in the spaces provided. (40 marks)

21    $5436 = 36 + 2000 + $ _____

Ans: _____

22   Complete the number pattern.

2 ,   4 ,   6 ,   10 , 16, _____ , 42
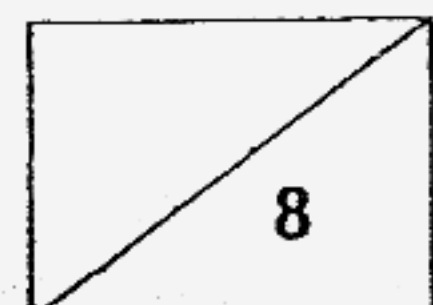
Ans: _____

23   I am a 4 digit even number between 2010 and 2014.

What is the answer?

Ans: _____

24   The sum of two numbers is 150. One number is 30 more than the other number. What is the bigger number?

Ans: _____

8

25   If $\star \times \hexagon = 18$ and

$\star - \hexagon = 7$, what is $\hexagon$?

Ans: _____

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26   Mrs Fields makes 326 muffins each day.

How many muffins does she make in one week?

Ans: _____

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27   A watch costs 5 times as much as a necklace. If the necklace costs $145, find
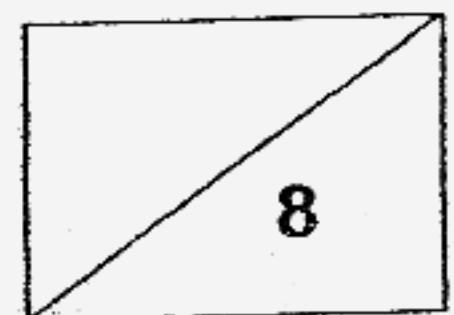
the cost of 4 similar watches.

Ans: $_____

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28   How many 20 cents coins can I exchange with $6?

Ans: _____

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8

29   What is 8 kg 60 g – 2 kg 385 g?

Ans: _____kg_____g

30   560 cm + 755 cm = _____.

Express your answer in m and cm.

Ans: _____m_____cm

31   John is 12 cm shorter than Sam.

Roy is 25 cm taller than Sam.
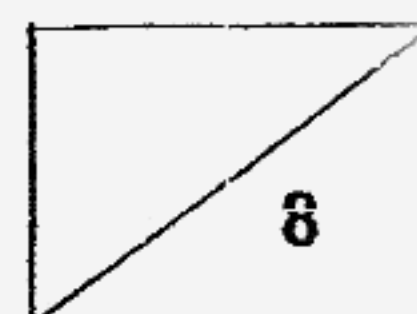
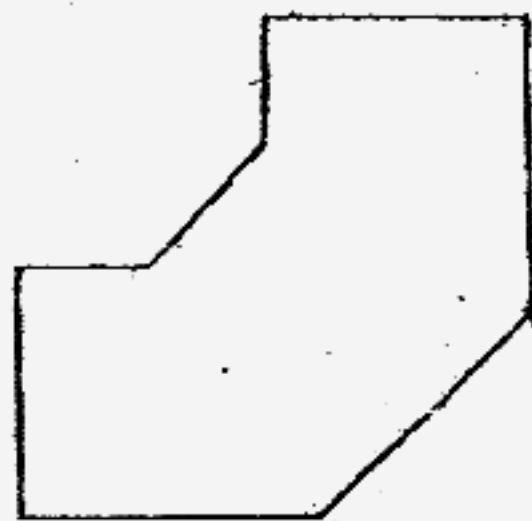Find the difference in height between Roy and John.

Ans:_____cm

32   A glass has a capacity of 30 ml. How many such glasses are needed to fill a 1 ℓ
container?

Ans: _____

8

33

How many sides and angles are there in the above shape?

Ans: _____ sides _____ angles

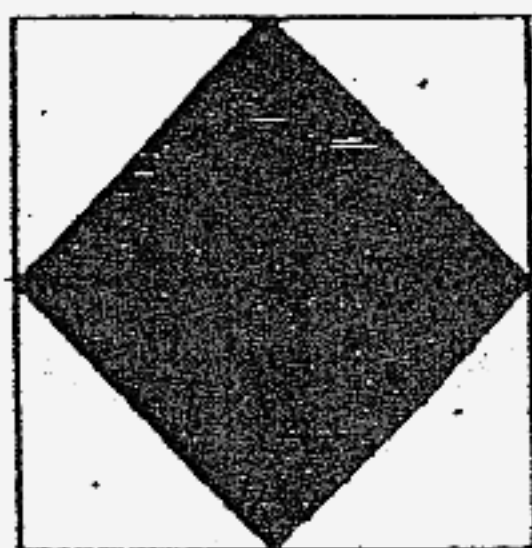34   Find the sum of the smallest and greatest fractions.

$$\frac{1}{6} \qquad \frac{1}{2} \qquad \frac{2}{3}$$
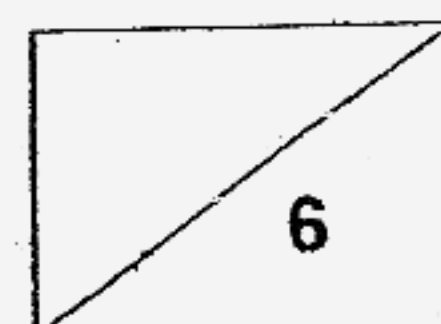
Ans: _____

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35   The figure below is not drawn to scale.

What is the fraction of the unshaded part of the square shown below.

(Leave your answer in the simplest form)

Ans: _____

6

10

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36   If the perimeter of a square is 40 m, what is the area of the square?

Ans:_____m^2

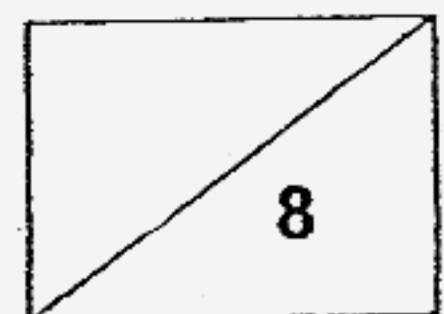37   The length of a rectangle is twice its breadth. If its perimeter is 60 cm, find its length.

Ans: _____cm

38   How many minutes is 2 h 25 min?

Ans: _____min

39   A coffee shop opens at 6.30 a.m.

It opens 16 h 30 min each day.

At what time does the coffee shop close?

Ans: _____p.m.

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8

40 The graph shows the number of stickers collected by a group of children.

With the given information, <u>complete the graph by drawing the bars for Cate and Elaine</u>.

Name	Number of stickers collected
Alice	200
Ben	100
Cate	50 stickers more than Ben
Danny	200
Elaine	150 stickers less than Alice

**Number of stickers collected by a group of children**
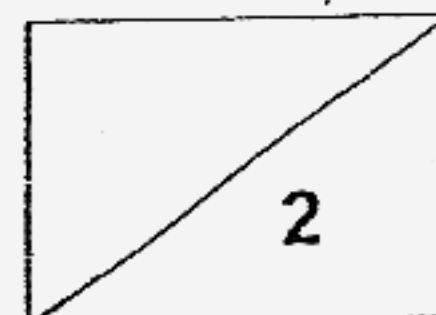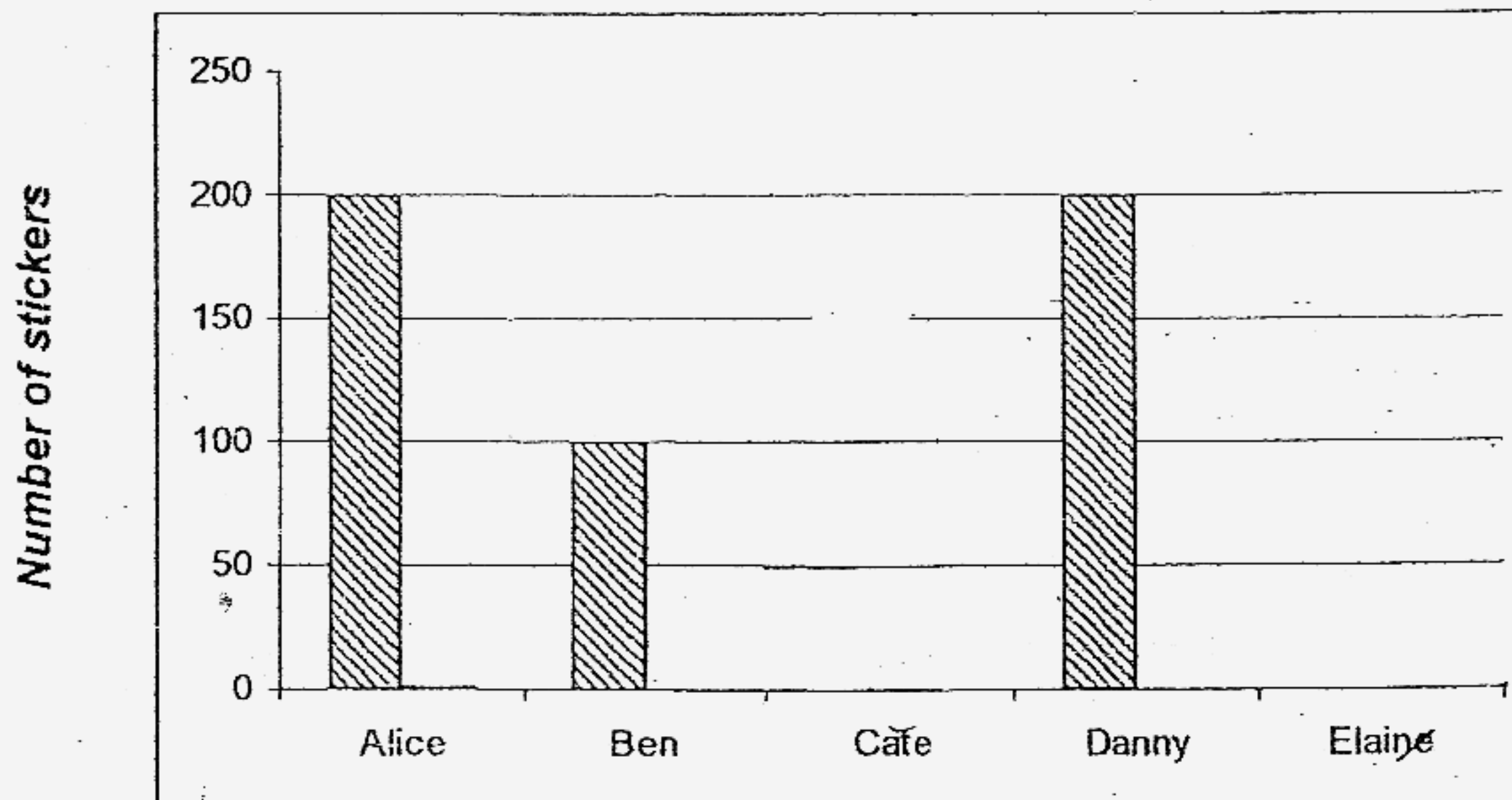
SECTION C
Questions 41 to 45 carry 4 marks each.
Show your working clearly in the space provided for each question .

(20 marks)

41   May has $8 less than Amy and $16 less than Cindy.

They have a total of $45.   How much does May have?

42   Mrs Cheng had some erasers and she bought 10 more.   She then gave her
2 daughters 3 erasers each .   She had 8 erasers left for herself.   How
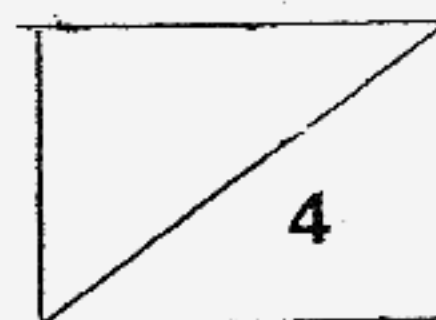many erasers did she have at first?

8

13

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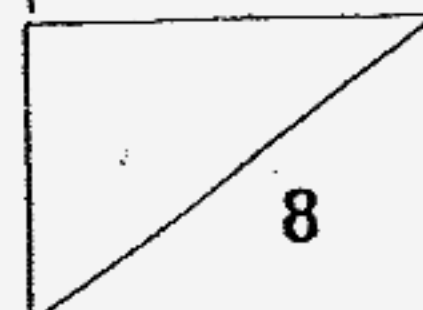
43   The graph shows the number of curry puffs sold by Ahmad in 5 months.

Study the picture carefully and answer questions 43a and 43b..

Sale of curry puffs sold over 5 months

Number
of
Curry
puffs
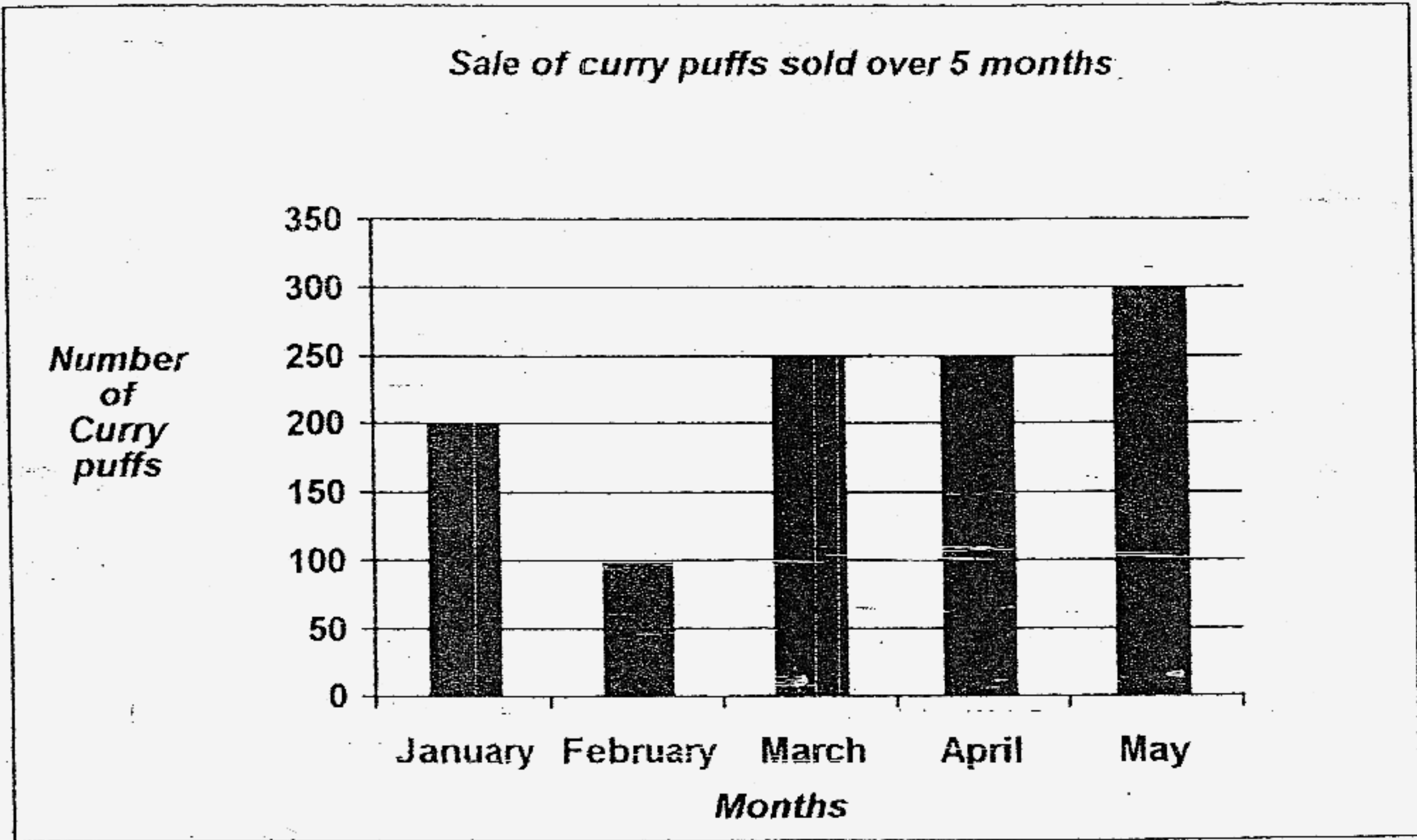
Months

43a   Which month has 3 times as much sale as February?

(Show your working clearly)

43b   If each curry puff is sold at $2 each, how much will Ahmad collect from the
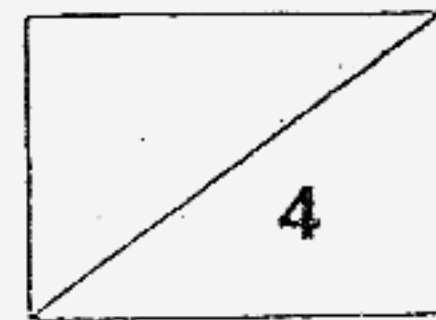
sales of the curry puffs over the 5 months?

4

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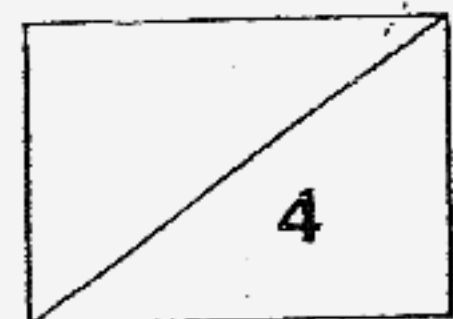
44   The figures below are not drawn to scale.   Find how many times the area of
     Rectangle Q is as big as the area of Rectangle P.

```
   3 cm                        7 cm
 ┌───────────┐     ┌─────────────────────┐
 │     P     │ 2 cm│                     │
 └───────────┘     │          Q          │ 12 cm
                   │                     │
                   └─────────────────────┘
```

```
        ┌───────┐
        │      ╱│
        │    ╱  │ 4
        │  ╱    │
        │╱      │
        └───────┘
```

15
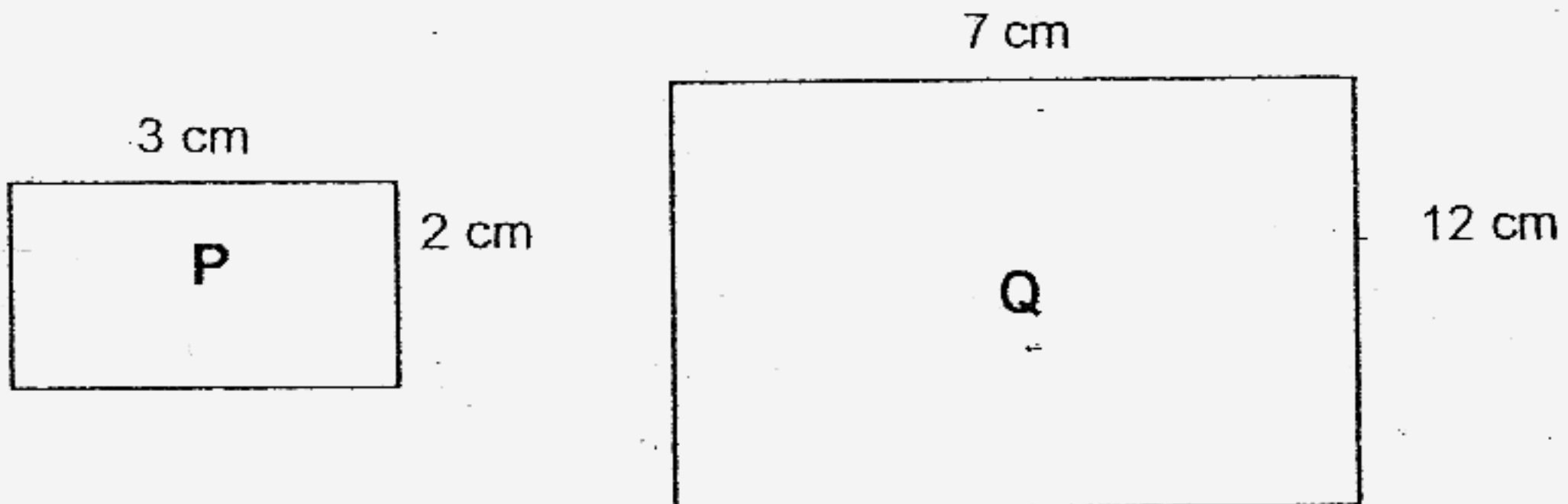
5   Mei spent $\frac{1}{2}$ of her money on a bag and $\frac{1}{4}$ of the remaining money on books. She had $30 left. How much money did she have at first?

4

~ *End of paper~*

~ *Check your work carefully* ~

P3 Maths SA2 2007

Ai Tong Primary School
Primary 3 SA2 Maths Exams (2007)

Answer Keys

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

21. 3400

22. 26

23. 2012

24. 90

25. 2

26. 2282 muffins

27. $2900

28. 30 twenty cents coins
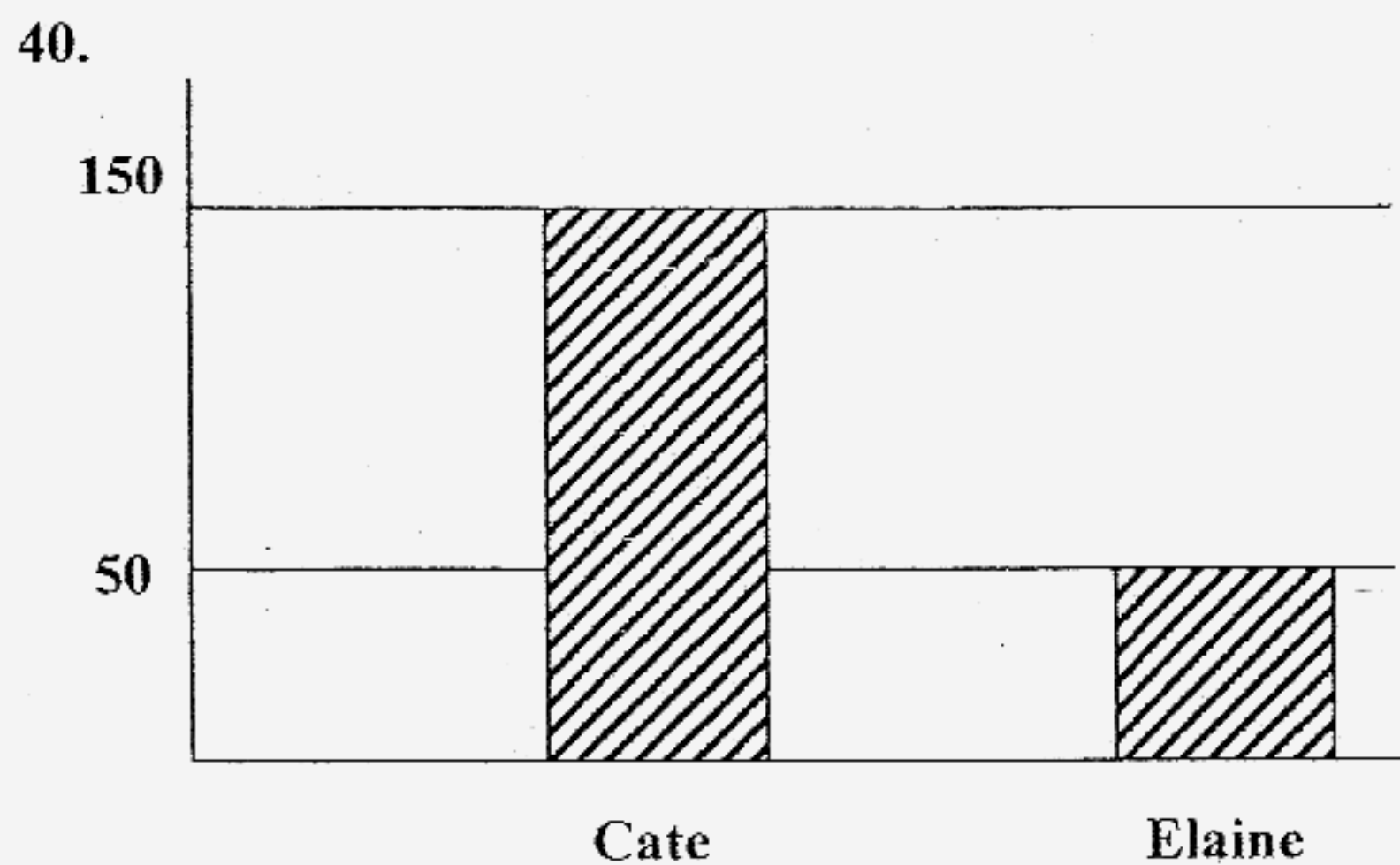
29. 5kg 675g

30. 13m 15cm

31. 3cm

32. 34 glasses

33. 8 sides 8 angles

34. $\dfrac{5}{6}$

35. $\dfrac{1}{2}$

36. 100m²

37. 120cm

38. 145min

39. 11 pm

40.

41. $16 + $8 = $24
$45 − $24 = $21
$21 ÷ 3 = $7
May has $7

42. 2 x 3 = 6 erasers
6 + 8 = 14 erasers
14 − 10 = 4 erasers
She had 4 erasers at first.

43a. 100 x 3 = 300 curry puffs.
It is May

43b. 200 + 100 + 250 + 250 + 300 = 1100 curry puffs.
1100 x $2 = $2200
He will collect $2200

44. $12cm \times 7cm = 84cm^2$
$3cm \times 2cm = 6cm^2$
$84cm^2 ÷ 6cm^2 = 14cm^2$
It is $14cm^2$ times more.

45. 3u = $30
1u = $30 ÷ 3
= $10
8u = $10 x 8
= $80
She had $80 at first.