

SAT



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT (1)

2004

Name: _____ Class: P4 _____ Index No: _____

11 May 2004 MATHEMATICS

Att: 1h 45 mins

Your Score Out of 100 marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

Section A (20 x 2 marks)

For each question, four options are given. Choose the correct answer and write its number (1, 2, 3 and 4) in the bracket provided.

1. In 48 107, the digit '8' is in the _____ place.

- (1) ones
- (2) hundreds
- (3) thousands
- (4) ten thousands

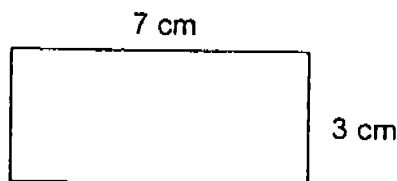
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2. Round off the numeral 1568 to the nearest 10.

- (1) 1560
- (2) 1570
- (3) 1578
- (4) 1600

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3. The perimeter of the rectangle below is _____.



- (1) 8 cm
- (2) 10 cm
- (3) 20 cm
- (4) 40 cm

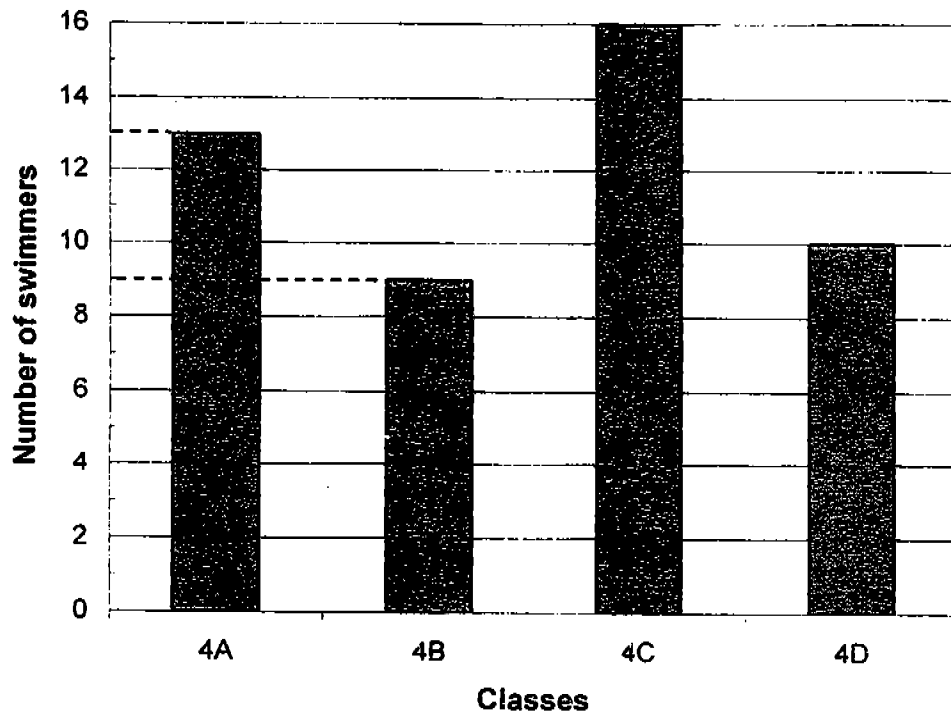
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4. A square has an area of 64 cm^2 .
What is the length of each side?

- (1) 8 cm
- (2) 16 cm
- (3) 32 cm
- (4) 60 cm

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5. The graph below shows the number of swimmers taking part in the swimming events on Water Sports Day.

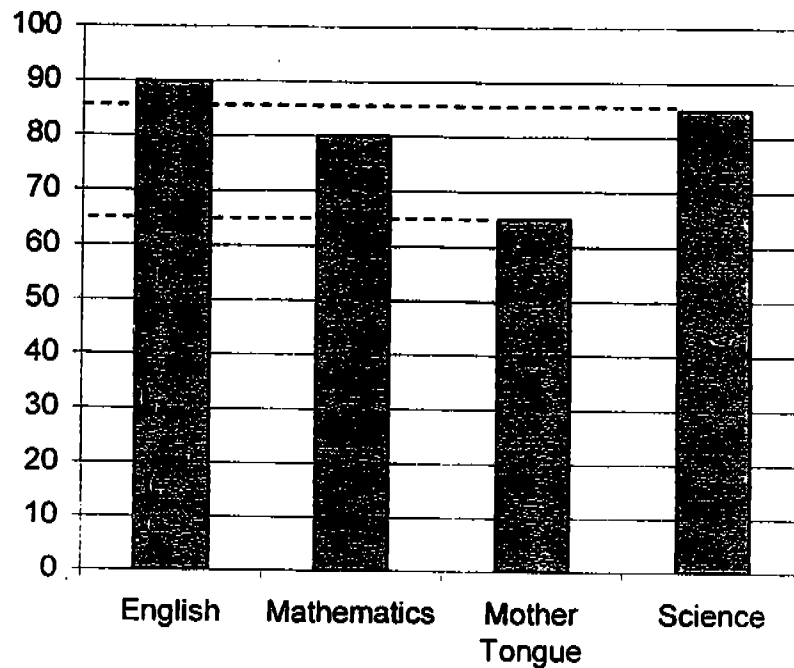


Which class has the least number of participants?

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

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6. The graph below shows the marks scored by Brenda for four subjects in an examination.



What is the difference in marks between English and Mother Tongue?

- (1) 15
- (2) 20
- (3) 25
- (4) 30

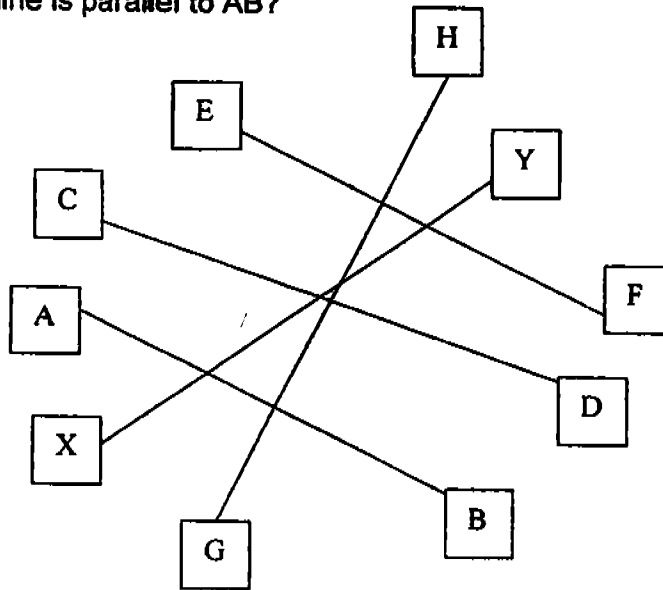
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7. 10 m 20 cm = _____ cm.

- (1) 102
- (2) 120
- (3) 1002
- (4) 1020

()

8. Which line is parallel to AB?



- (1) CD
- (2) EF
- (3) GH
- (4) XY

()

9. $\frac{2}{9}$ is the same as _____

- (1) $2 \div 9$
- (2) $9 \div 2$
- (3) $2 + 9$
- (4) 2×9

()

10. $\frac{2^{x^2}}{3^{x^2}} + \frac{1}{6} =$ _____

- (1) $\frac{1}{2}$
- (2) $\frac{5}{6}$
- (3) $\frac{1}{9}$
- (4) $\frac{3}{9}$

()

11. Find the sum of 1455 and 200.
The answer when rounded off to the nearest ten is _____.

- (1) 1260
- (2) 1600
- (3) 1650
- (4) 1660

()

12. Which is the correct number that would complete the number pattern?

99 999, 99 989, 99 969, , 99 899

- (1) 99 929
- (2) 99 939
- (3) 99 849
- (4) 99 889

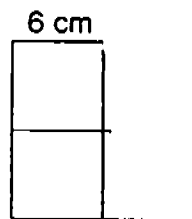
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13. Find the product of the first three multiples of 2?

- (1) 6
- (2) 8
- (3) 12
- (4) 48

()

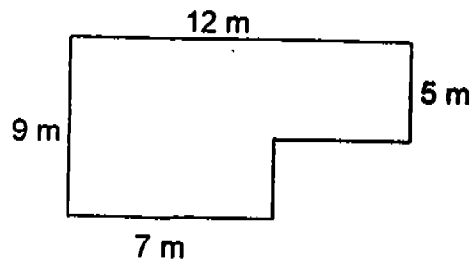
14. The figure below is made up of three squares. Find the perimeter of the figure.



- (1) 48 cm
- (2) 60 cm
- (3) 72 cm
- (4) 144 cm

()

15.



The area of the figure above is _____ m^2 .

- (1) 42
- (2) 88
- (3) 108
- (4) 123

()

16. Miss Chan had recorded the number of hours in a week spent by her pupils on computer games.

No. of hours	No. of pupils
0	2
1	12
2	15
3	7
4	4

How many pupils spent at least two hours on computer games in a week?

- (1) 11
- (2) 15
- (3) 26
- (4) 29

()

17. Alice's pet rabbit weighs 500 g.
Jane's pet dog is ten times as heavy as Alice's rabbit.
What is the weight of the dog?

- (1) 5 g
- (2) 5 kg
- (3) 50 g
- (4) 50 kg

()

18. How many right angles would the minute hand on the clock move from 12.45 p.m. to 1.30 p.m.?

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

()

19. How many eighths are there in $\frac{3}{4}$?

- (1) 8
- (2) 24
- (3) 3
- (4) 6

()

20. $2\frac{2}{5}$ expressed as an improper fraction is _____.

- (1) $\frac{9}{5}$
- (2) $\frac{12}{5}$
- (3) $\frac{20}{5}$
- (4) $\frac{22}{5}$

()

Section B (20 × 2 marks)







Work out each sum carefully and write its correct answer in the box provided.

21. Add 28 hundreds to 1326.
The answer is _____.

22. The area of a rectangle is 240 cm^2 . Its breadth is 16 cm . Find its length.

 cm

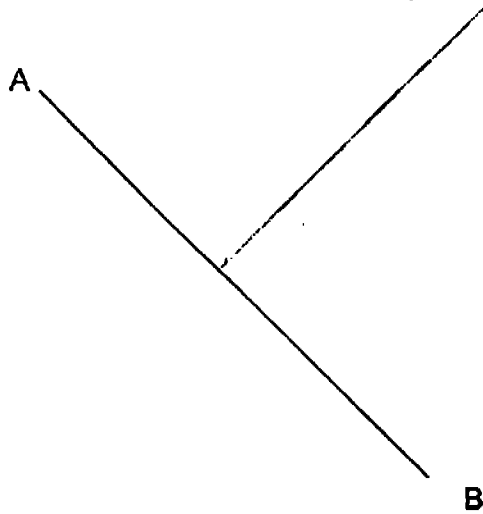
23. During a survey, the P4 pupils were asked to choose their favourite fruit juice from a list. The information is shown in the table below.

<u>Fruit Juice</u>	<u>Number of pupils</u>
Apple	
Carrot	
Orange	
Pineapple	
Watermelon	
	 stands for 50 pupils

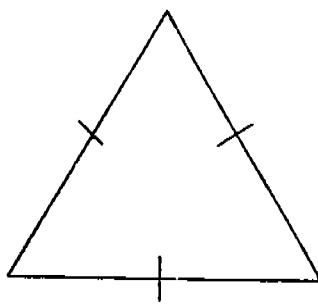
How many more pupils chose orange juice than apple juice?

 pupils

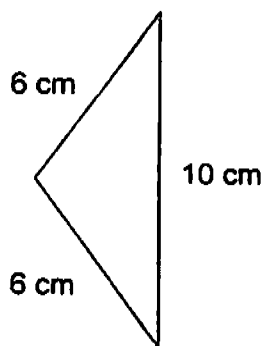
24. Draw a line perpendicular to AB with your set-square and ruler.



25. Fill in the boxes with the correct answers.



Triangle A



Triangle B

a) Triangle A is a/an triangle.

b) Triangle B is a/an triangle.

26. Fill in the missing numbers in the boxes.

$$\frac{\boxed{}}{3} = \frac{2}{6} = \frac{4}{\boxed{}}$$

27. Write down the two numbers that would give us a quick and good estimate for $2058 \div 28$.

$$\begin{array}{c} \downarrow \qquad \downarrow \\ \boxed{} \div \boxed{} \end{array}$$

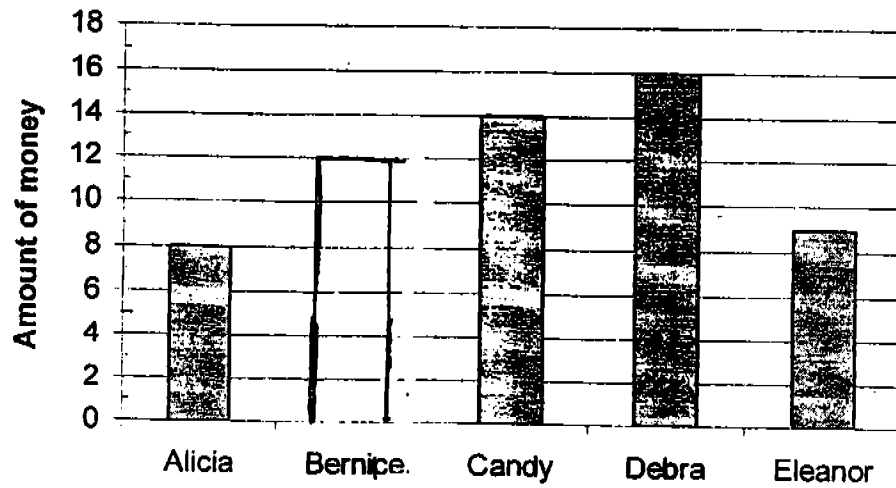
28. If 10 DVD players cost \$ 3580, what is the cost of one DVD player, correct to the nearest hundred dollars?

\$

29. The perimeter of a square is 100 cm. Find the length of each side.

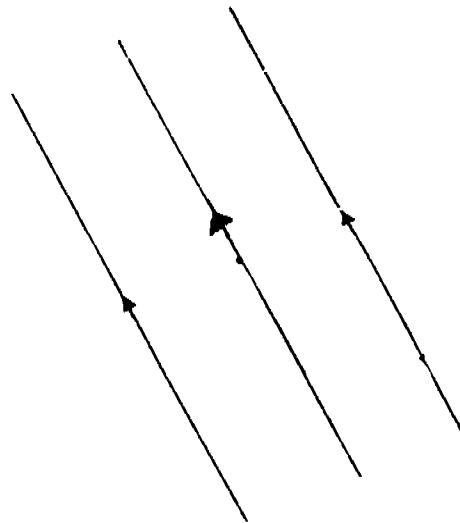
cm

30. The graph below shows the amount of money saved by 5 girls in a week.

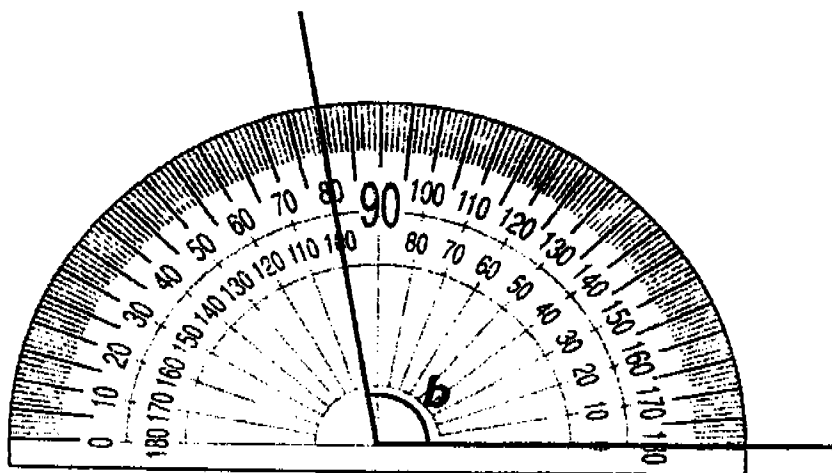


Draw the bar for Bernice such that Bernice, Candy and Eleanor saved a total of \$35 in a week.

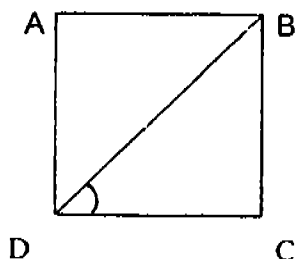
31. Using a set-square and ruler, draw a line through the given point so that it is parallel to the other two lines.



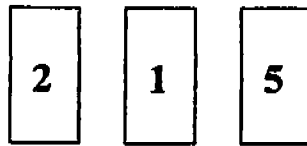
32. Find $\angle b$ in the diagram below.



33. In the figure below, ABCD is a square. Find $\angle BDC$.



34. Fill in the boxes with the given numbers to form a mixed number that is equal to $\frac{7}{5}$.



$$\boxed{} \frac{\boxed{}}{\boxed{}} = \frac{7}{5}$$

35. If $\frac{1}{4} + \frac{3}{8} = \star$
 then $1 - \star = \boxed{}$

36. Mr Ong is twice as old as his wife.
 If he is 50 years old now, how old will his wife be in ten years' time?

years old

37. John had \$84. He spent half of this amount on transport and $\frac{1}{4}$ of the amount on a shirt. How much money did he spend altogether?

\$

38. The table below shows the scores awarded to 4 competitors during a gymnastic competition. The competitor with the highest total score won the competition.

Competitor	Judge 1	Judge 2	Judge 3	Judge 4	Position
A	8	9	8	7	3 rd
B	9		9	8	2 nd
C	10	10	8	8	1 st
D	7	7	9	8	4 th

Competitor B was 2nd in position after the competition. What was a possible number of points Judge 2 could have awarded to Competitor B?

points

39. Ribbon A is 130 cm long.
 Ribbon B is thrice as long as Ribbon A.
 What is their total length in metres and centimetres?

m cm

40. There were 30 girls eating pizzas. Each girl ate $\frac{1}{4}$ of a pizza.
 The girls ate a total of pizzas.

Section C (20 marks)

For Q 41 to Q45, show all your working clearly in the space provided.
The number of marks awarded to each question is shown in the brackets at the end of the question.

41. When a pail is half filled with water, its weight is 2 kg 500 g.
The pail when empty weighs only 1 kg. What is the weight of the pail when it is completely filled with water? (4 marks)

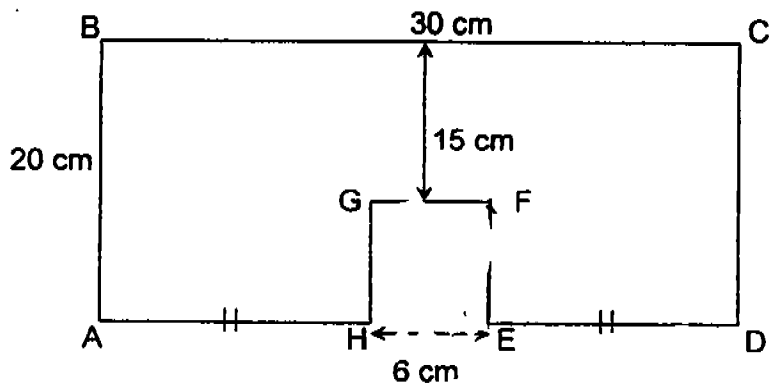
42. A digital camera and a television set cost \$2080.
Four such television sets and one digital camera cost \$5380.
(a) What is the cost of a television set? (2 marks)
(b) What is the cost of the digital camera? (2 marks)

43. Study the figure below carefully.

Given $AH = ED$,

(a) find the length of AH (2 marks)

(b) find the perimeter of the figure. (2 marks)



44. In the beginning, Rachael had $\frac{1}{3}$ of the number of stickers Andrew had. When Rachael received 20 stickers from Andrew, both had the same number of stickers.

- (a) How many more stickers did Andrew have than Rachael at first? (2 marks)
- (b) How many stickers were there altogether? (2 marks)

45. A box containing 4 identical laptops weighs 8 kg 800 g. The same box containing 6 such laptops weighs 12 kg 900 g. What is the weight of the box? (4 marks)

-----END-----

Setters: Mr Ho K H
Mrs Clara Tang
Mr Lim CC

SAM

NAME : _____

DATE : _____

CLASS : _____

SUBJECT : _____

WRITE		SHADE OVALS																									
I N D E X		1	2	3	4	5	6	7	8	9																	
		1	2	3	4	5	6	7	8	9																	
		1	2	3	4	5	6	7	8	9																	
	N U M B E R		0	1	2	3	4	5	6	7	8	9															
			0	1	2	3	4	5	6	7	8	9															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

EXAMPLE: IF YOU THINK THE 2ND OPTION IS THE CORRECT ANSWER SHADE THE OVAL 2 LIKE THIS :

1 2 3 4

1 1 2 3 4

21 1 2 3 4

41 1 2 3 4

2 1 2 3 4

22 1 2 3 4

42 1 2 3 4

3 1 2 3 4

23 1 2 3 4

43 1 2 3 4

4 1 2 3 4

24 1 2 3 4

44 1 2 3 4

5 1 2 3 4

25 1 2 3 4

45 1 2 3 4

6 1 2 3 4

26 1 2 3 4

46 1 2 3 4

7 1 2 3 4

27 1 2 3 4

47 1 2 3 4

8 1 2 3 4

28 1 2 3 4

48 1 2 3 4

9 1 2 3 4

29 1 2 3 4

49 1 2 3 4

10 1 2 3 4

30 1 2 3 4

50 1 2 3 4

11 1 2 3 4

31 1 2 3 4

51 1 2 3 4

12 1 2 3 4

32 1 2 3 4

52 1 2 3 4

13 1 2 3 4

33 1 2 3 4

53 1 2 3 4

14 1 2 3 4

34 1 2 3 4

54 1 2 3 4

15 1 2 3 4

35 1 2 3 4

55 1 2 3 4

16 1 2 3 4

36 1 2 3 4

56 1 2 3 4

17 1 2 3 4

37 1 2 3 4

57 1 2 3 4

18 1 2 3 4

38 1 2 3 4

58 1 2 3 4

SCORE: 30/40 (75%)

RAFFLES GIRLS PRIMARY SCHOOL.

SEMESTRAL ASSESSMENT (1)

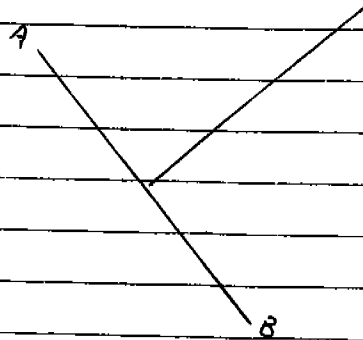
Date

No.

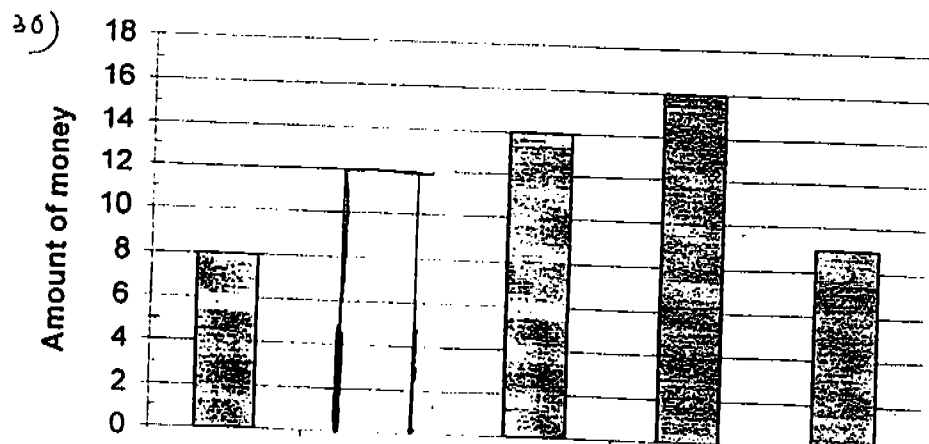
2004

MATHEMATICS

1.	3	21.	4126
2.	4	22.	15 cm
3.	3	23.	75 pupils
4.	1		
5.	2		
6.	3		
7.	4	24.	
8.	2		
9.	2		
10.	2		
11.	4		
12.	4	25)	a) equilateral
13.	4		b) Isoscles
14.	1		
15.	3	26)	
16.	3		
17.	2		
18.	3	27)	$2100 \div 30$
19.	1		
20.	2	28)	\$ 400



29) 25 cm

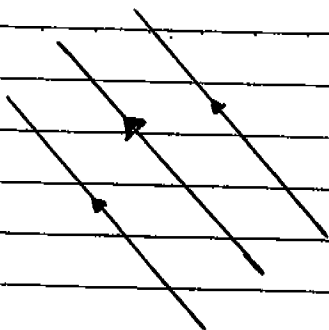




Date

No.

31)



32)

100°

33.

45°

34.

$$1 \frac{2}{5} = \frac{7}{5}$$

35.

$\frac{3}{8}$

36.

35 years old

37

\$ 63

38.

8 points

39.

5 m 20 cm

40

$7 \frac{1}{2}$ pizzas