

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



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Primary 5

Semestral Assessment 2 – 2008

Mathematics

Paper I

Booklet A

29 SEPTEMBER 2008

15 QUESTIONS

20 MARKS

INSTRUCTIONS TO CANDIDATES

TOTAL TIME FOR PAPER 1 : 50 MINUTES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS. YOU ARE NOT ALLOWED TO USE A CALCULATOR.

Booklet A: Multiple Choice Questions (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 (1, 2, 3, 4) on the Optical Answer Sheet (OAS).

- 1) What must be added to 20 hundred thousands to make 3 million?
- | | |
|--------------|--------------|
| 1) 1 000 000 | 2) 2 800 000 |
| 3) 2 980 000 | 4) 2 998 000 |
- 2) What is the value of $8 \times (105 - 25) + 24 \div 4$?
- | | |
|--------|--------|
| 1) 26 | 2) 86 |
| 3) 166 | 4) 646 |
- 3) The perimeter of a rectangle is 48 cm. The ratio of its length to its breadth is 3:1. Find the length of the rectangle.
- | | |
|----------|----------|
| 1) 6 cm | 2) 12 cm |
| 3) 18 cm | 4) 36 cm |
- 4) The difference between 19 tenths and 10 ones is _____.
- | | |
|--------|--------|
| 1) 0.9 | 2) 9.0 |
| 3) 8.1 | 4) 9.1 |

9) Given that $379 \times 8 = 3032$, what is the value of 379×0.08 ?

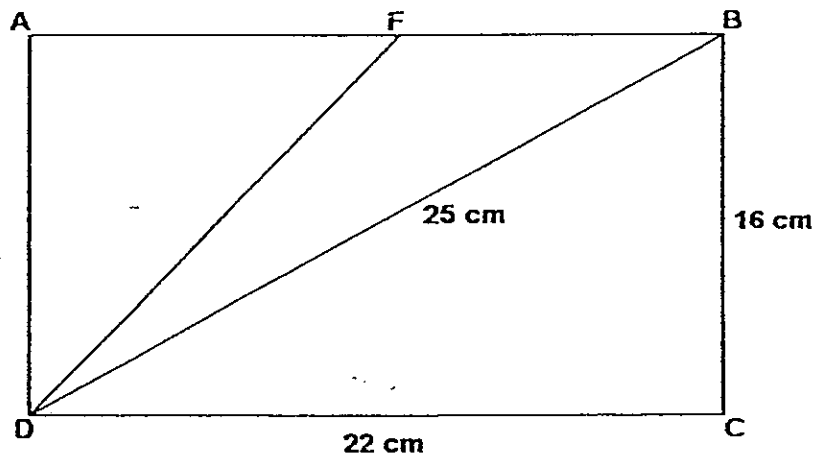
1) 3.032

2) 30.32

3) 303.2

4) 3032

10) ABCD is a rectangle and AF is as long as FB. Find the area of triangle BDF.



1) 44 cm^2

2) 88 cm^2

3) 176 cm^2

4) 200 cm^2

- 11) The usual price of a bicycle was \$210. Rahimah bought the bicycle at a discount of 10%. In addition, she had to pay 7% GST on the discounted price. How much did she pay for the bicycle in total?

1) \$ 21.00

2) \$ 189.00

3) \$ 202.23

4) \$ 203.70

- 12) A bucket is $\frac{3}{5}$ filled with water. All the water is then poured into an empty container which has a capacity thrice that of the bucket. What fraction of the container is not filled with water?

1) $\frac{1}{5}$

2) $\frac{4}{5}$

3) $2\frac{4}{5}$

4) $2\frac{11}{15}$

- 13) At an internet gaming room, users are charged the following rates:

First 2 hours	\$ 2.50
Subsequent half an hour or part thereof	\$ 1.50

Muthu logs on at a terminal at 12.15 p.m. He does not want to pay more than \$11. What is the latest time he should log off?

1) 3.45 p.m.

2) 4.00 p.m.

3) 4.30 p.m.

4) 5.15 p.m.

14) A factory employs 49 workers. $\frac{2}{7}$ of them are females. If 21 more male workers are employed, what would be the new ratio of the number of male workers to the total number of workers?

1) 4 : 5

2) 1 : 2

3) 5 : 7

4) 3 : 10

15) The difference between 2 numbers is 58. If 30% of the larger number is 63, what is the smaller number?

1) 5

2) 152

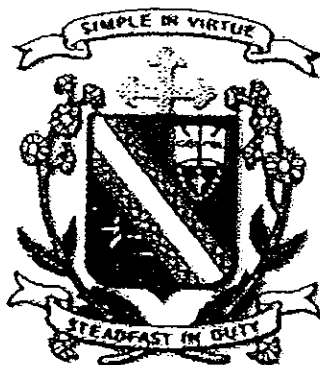
3) 210

4) 268

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Mathematics

Paper I

Booklet B

29 SEPTEMBER 2008

15 QUESTIONS
20 MARKS

INSTRUCTIONS TO CANDIDATES

TOTAL TIME FOR PAPER 1 : 50 MINUTES

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Booklet B: Short Answers (20 marks)

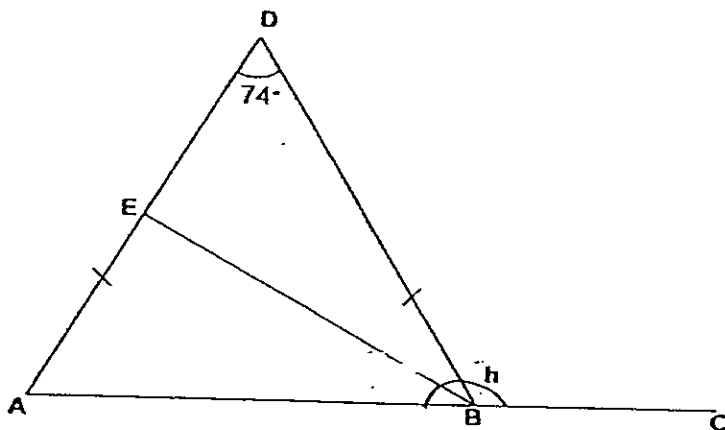
Questions 16 to 25 carry 1 mark each.
Questions 26 to 30 carry 2 marks each.

Write down your answers in the answer blanks provided. Give your answers in the units stated.

16) $\frac{4}{9} \div 9 =$

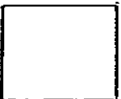
Ans : _

- 17) The figure below is not drawn to scale,
ABC is a straight line. Find $\angle h$



Ans : _____ °

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- 18) Water leaked from a tap at a rate of 55 mℓ per minute. At this rate, how much water would leak from the tap in 6 minutes?

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Ans: _____ mℓ

- 19) The ratio of Tina's mass to Joanne's mass is 4 : 3. Tina weighs 32 kg. What is their total mass?

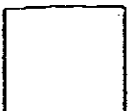
Ans: _____ kg

- 20) In $256 \times 10 = 256 \times \boxed{?} + 512$, what is the missing number?

Ans: _____

- 21) In an aquarium, the ratio of the number of goldfish to the number of angelfish is 5:3. The ratio of the number of angelfish to the number of swordtail is 2:3. What is the ratio of the number of goldfish to that of swordtail?

Ans: _____



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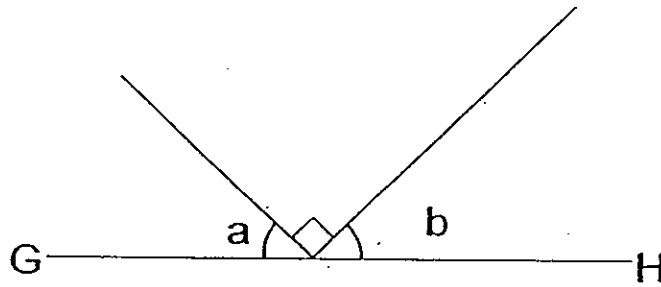
22) Find the value of $\frac{6}{9} \times \frac{2}{7}$.

Ans: _____

23) Find the difference between 48.7 and 9.38. Divide the answer by 100.

Ans: _____

24) GH is a straight line. Given that $\angle a$ is 14° smaller than $\angle b$, find $\angle a$.



Ans: _____^o

- 25) Express $\frac{156}{240}$ as a percentage.

Ans: _____%

- 26) Jamie spent 15% of her weekly allowance on Monday. On Tuesday, she spent $\frac{2}{5}$ of the remainder. What percentage of her allowance did she have left at the end of Tuesday?

Ans: _____%

- 27) The table shows the distance Mike jogged over a week. The only day he did not jog was Wednesday. On average, how many kilometres did he jog in a week?

Monday	3.3 km
Tuesday	2.4 km
Thursday	3.6 km
Friday	2.8 km
Saturday	3 km
Sunday	1.75 km

Ans: _____ km

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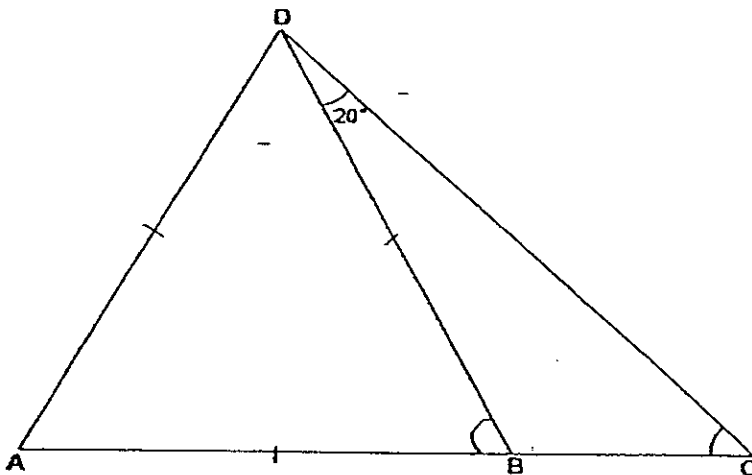


- 28) Minyi and Lindsey have some beads. Minyi has $\frac{3}{11}$ of their combined number of beads. If Lindsey has 528 beads, how many fewer beads does Minyi have?

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Ans: _____

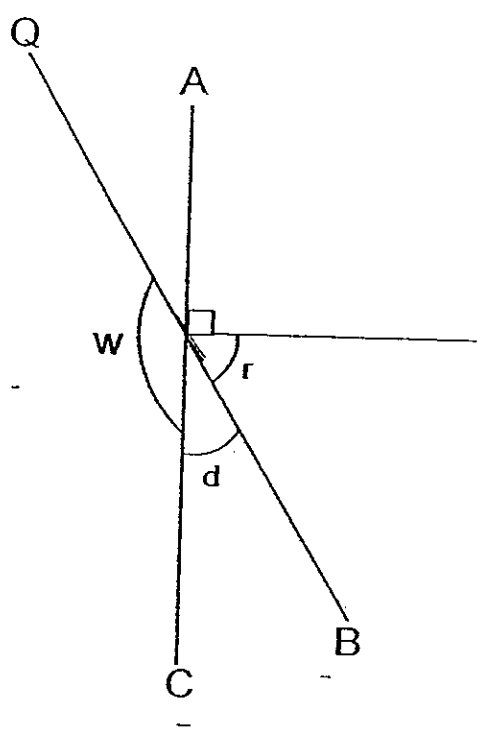
- 29) In the figure below, ABC is a straight line. Find $\angle DCB$.



Ans: _____°



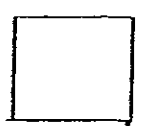
30) QB and AC are straight lines. $\angle r$ is twice of $\angle d$. Find $\angle w$.



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Ans: _____ °

End of Paper 1



Name : _____ ()

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CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

Semestral Assessment 2 – 2008

Mathematics

Paper 2

29 SEPTEMBER 2008

Paper 1 Booklet A	20
Paper 1 Booklet B	20
Paper 2	60
Total	100

Parent's Signature

18 QUESTIONS

60 MARKS

INSTRUCTIONS TO CANDIDATES

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

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Short Answers (10 marks)

Questions 31 to 35 carry 2 marks each.

Write your answers in the answer blanks provided.

Give your answers in the units stated.

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- 31) Find the sum of $\frac{3}{8}$ of 7500 g and $\frac{12}{25}$ of 15 kg.

Leave your answer in kg.

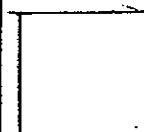
Ans : _____ kg

- 32) The ratio of the number of strawberry tarts to the number of pineapple tarts to the number of peach tarts is 3 : 5 : 9. If there are 954 more peach tarts than strawberry tarts, how many more pineapple tarts than strawberry tarts are there?

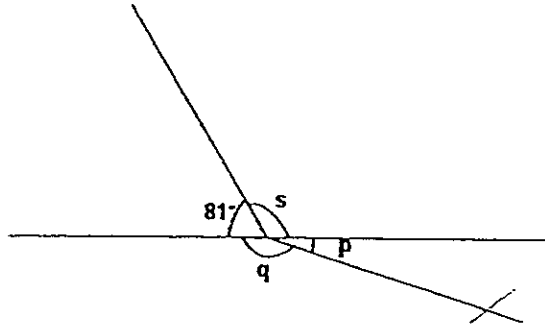
Ans : _____

- 33) The usual price of a toy car was \$38.50. At a sale, Matthew bought the toy car at a discount of 46%. How much did Matthew pay for the toy car?

Ans : \$ _____



- 34) The figure below is not drawn to scale. $\angle p$ is $\frac{1}{6}$ of a right angle. Find the total size of $\angle q$ and $\angle s$.



Ans : _____°

- 35) Beatrice, Robbie and Kat have 5356 stickers altogether. Beatrice has 296 more stickers than Robbie and four times as many stickers as Kat. How many stickers does Kat have?

Ans : _____

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Long Answers (50 marks)

For questions 36 to 48, show your working clearly in the space below each question and write your answer in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question.

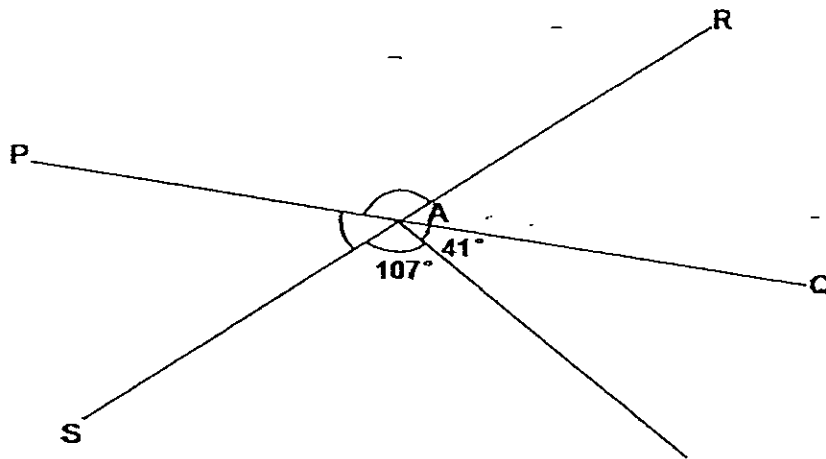
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36) In the figure below, PAQ and RAS are straight lines.

a) Find $\angle PAR$.

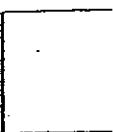
b) Express $\angle PAS$ as a fraction of $\angle PAR$.

(Give your answer in its simplest form.)



Ans: a) _____ (1 m)

b) _____ (2 m)



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- 37) 8 scouts from pack A sold an average of 234 funfair tickets. When 5 scouts from pack B joined them, the average number of tickets sold by the 13 scouts was 329. What was the average number of tickets sold by the scouts from pack B?

Ans: _____ (3 m)

- 38) A textbook weighs 20 g more than an exercise book. A workbook weighs 70 g more than the textbook. The total mass of 20 of each type of book is 10 kg. What is the mass of a workbook?

Ans: _____ (3 m)

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- 39) 15 children were lined up in a row. They were spaced out equally and the distance between the third child and the seventh child was 792 cm. What was the distance between the first child and the last child? Leave your answer in metres.

Ans: _____ (3 m)

- 40) Roger dropped a basketball from a height of 110 m and found that it bounced to $\frac{3}{4}$ of the previous height for every bounce. What would be the total distance travelled by the basketball when it hit the ground the 2nd time?

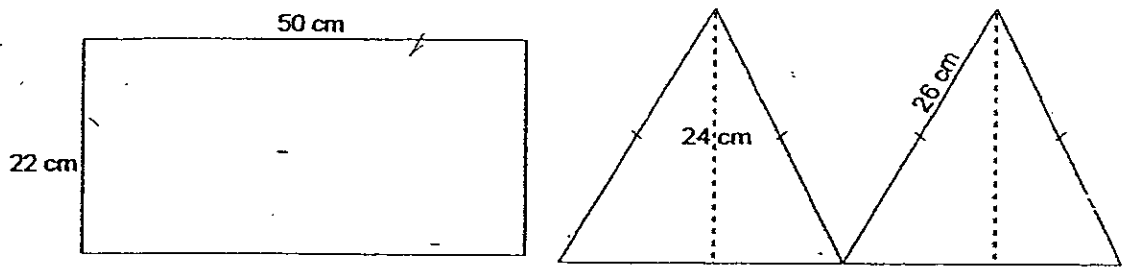
Ans: _____ (3 m)

- 41) Mrs Sheeba has four sons. She is 3 times as old as her youngest son. Each son is 3 years older than the next one. The total age of the 4 sons and the mother is 193 years. How old is Mrs Sheeba's eldest son?

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Ans: _____ (3.m)

- 42) A wire was bent to form a rectangle as shown. The same piece of wire was then bent to form 2 identical isosceles triangles. Find the area of one isosceles triangle.



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Ans: _____ (4 m)



- 43) Issac is paid \$17.50 for every $1\frac{1}{2}$ hours of work. He wants to buy a camera that costs \$1288. If his working hours are from 8.00 a.m. to 3.30 p.m. daily, for at least how many days must he work in order to earn enough money for the camera?

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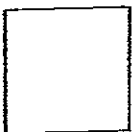
Ans: _____ (4 m)



- 44) A jug can contain 5.5 times as much water as a cup. The total capacity of 2 jugs and 3 cups is 2520 ml. If some water from a full jug is poured into 3 cups, find the amount of water left in the jug.

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Ans: _____ (4 m)



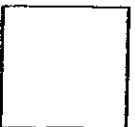
45) Wendy baked some cookies and packed them into containers of 12 cookies each. If she gives 2 containers to each of her cousins, she would have 62 cookies left. If she gives 3 containers to each of her cousins, she would be short of 22 cookies.

- a) How many cousins does she have?
- b) How many cookies did she bake?

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Ans: a) _____ (4 m)

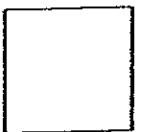
b) _____ (1 m)



- 46) At first, Jan had 60% of the amount of money Dayna had. Dayna then spent $\frac{1}{4}$ of her money on clothing and $\frac{1}{5}$ on gifts. She also gave \$150 to her brother. Finally, she had \$246 left. How much money did Jan have?

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Ans: _____ (5 m)



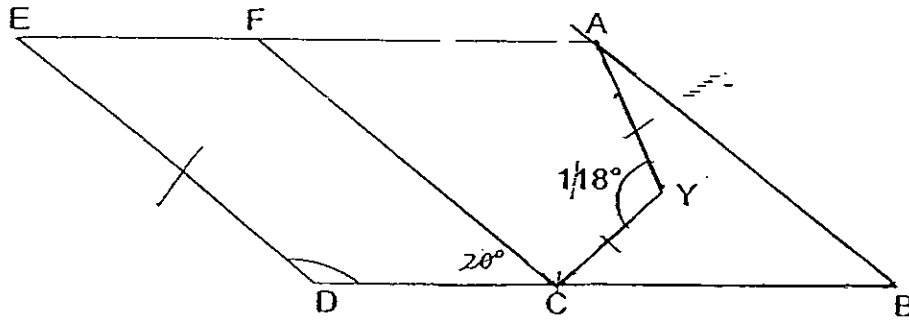
- 47) Mr Francis had a sum of money. He gave half of his money plus \$570 to his wife. He gave half of the remainder plus \$420 to his parents. Then he gave half of the remainder to his daughter, Abby. He also bought a dress that cost \$89 for Abby. If Mr Francis was left with \$568, how much money did he have at first?

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Ans: _____ (5 m)



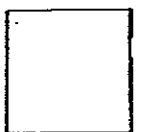
- 48) The figure below, which is not drawn to scale, is made up of a rhombus $ABCF$ and a parallelogram $CDEF$. Given that $\angle YCB = 47^\circ$, find $\angle EDC$.



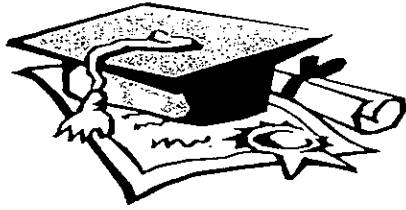
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Ans: _____ (5 m)

End Of Paper







ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CHIJ PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
1	4	3	3	2	3	3	1	2	2	3	2	3	1	2

16) $4/81$

17) 127°

18) 330ml

19) 56kg

20) 8

21) 10:9

22) $4/21$

23) 0.3932

24) 38°

25) 65%

26) 51%

27) 2.40km

28) 330

29) 40°

30) 150°

31) 10.0125kg

32) 318

33) \$20.79

34) 264°

35) 628

36) a) 148°
b) $8/37$

37) 481

38) 220g

39) 27702m

40) 275m

41) 34

42) 240cm^2

43) 15 days

44) 450ml

45) a) 7

46) \$432

47) \$8076

48) 156°

b) 230