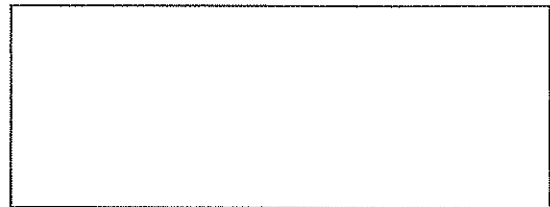




6	M	E	2
---	---	---	---



↑  
請把電腦條碼貼在方格內  
Please stick the barcode label in the box

**Education Bureau**  
**Territory-wide System Assessment 2010**  
**Primary 6**  
**Mathematics**

**Instructions:**

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 44 questions in this test. Answer all questions.
3. Time allowed is 50 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions:

- (a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil**.  
For example:
- A
  - B
  - C
  - D
- (b) Questions in which you are asked to “show your working” – Write your mathematical expressions/equations, answers and statements/conclusions in the spaces provided. There is **NO** need to show your rough work.
- (c) Other types of questions – Answer as required in the spaces provided.

School Code  
學校編號

--	--	--

Class  
班別

6	
---	--

Class  
No.  
班號

--	--

↑  
Write one capital letter in this box  
此格只許填寫一個大楷英文字母

Please do not write in the margin.

1. In the number 90 500, the digit '9' is in the \_\_\_\_\_ place.

2. Which of the following numbers is a multiple of 8?

- A. 1
- B. 4
- C. 8
- D. 12

3. List all the factors of 81.

Answer: \_\_\_\_\_

4. Fill in each of the following boxes with the correct number.

(a)

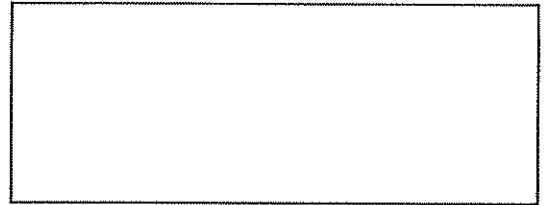
$$\frac{15}{\square} = 3$$

(b)

$$\frac{\square}{15} = 3$$

Please do not write in the margin.

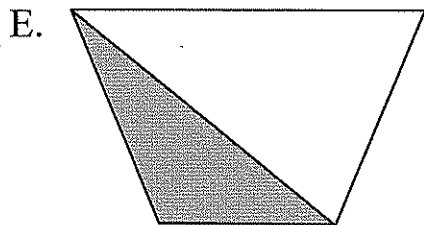
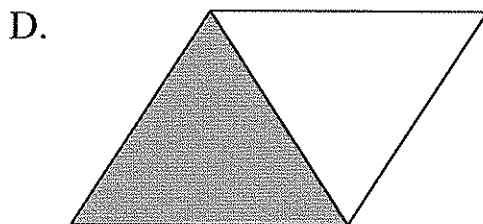
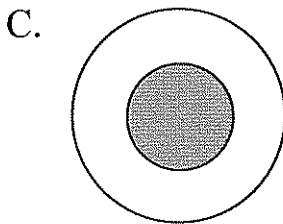
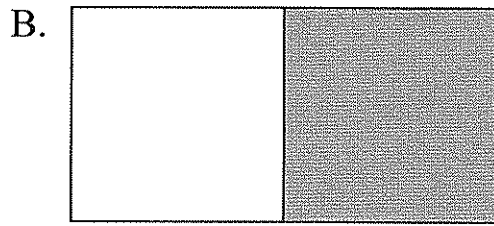
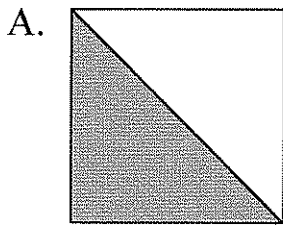
請把電腦條碼貼在方格內  
Please stick the barcode label in the box



5. (a) Within 50, the common multiples of 12 and 24  
are \_\_\_\_\_ .

(b) The Least Common Multiple (L.C.M.) of 12 and 24  
is \_\_\_\_\_ .

6. Which of the following have  $\frac{1}{2}$  of the whole figure  
shaded ?



Answer: \_\_\_\_\_

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

7. (a) Change  $1\frac{11}{13}$  into an improper fraction.

Answer:

- (b) Change  $\frac{22}{4}$  into a mixed number.

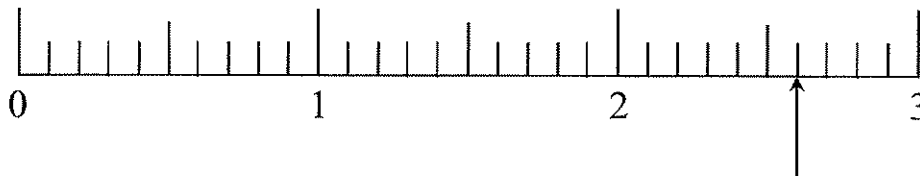
Answer:

8. Which of the following fractions is the smallest?

$$\frac{9}{5}, \quad \frac{9}{7}, \quad \frac{13}{7}$$

Answer:

9. The marks in the following figure are equally spaced. Use a decimal to show the mark pointed by the arrow.



Answer: \_\_\_\_\_

Please do not write in the margin.

請把電腦條碼貼在方格內  
Please stick the barcode label in the box



Please do not write in the margin.

10. In the number 647.538, the digit in the hundredths place is \_\_\_\_\_ .

11. Change 0.35 into a fraction and reduce it to the simplest form.

Answer:

12. Calculate  $1.7 \div 3.2$  and correct the answer to two decimal places.

Answer: \_\_\_\_\_

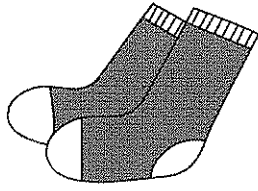
13.  $218 - 18 \times 7 =$  \_\_\_\_\_

14.  $4\frac{1}{6} - 2\frac{5}{6} =$

15.  $6 \times 9\frac{1}{3} =$

Please do not write in the margin.

16.



*Special Price*

\$60 for 4 pairs of socks

Mother bought 12 pairs of socks. How much did she pay?

- A. \$15
- B. \$20
- C. \$180
- D. \$240

17. Before the Chinese New Year, Mrs Lee bought  $3\frac{1}{3}$  kg of tea for \$200.

(a) Each kilogram of tea cost \$ \_\_\_\_\_ .

(b) The shopkeeper packed every  $\frac{2}{3}$  kg of tea into one bag. How many bags were packed? (show your working)

Please do not write in the margin.

Please do not write in the margin.

請把電腦條碼貼在方格內  
Please stick the barcode label in the box



18. John's height increases 1.8 cm in 14 weeks.

On average his height increases \_\_\_\_\_ cm  
each week. (correct the answer to two decimal places)

19.

**A Set Meal for Four  
Special Price  
\$ 378.00**

Four tourists ordered a set meal for four.

On average each tourist paid \_\_\_\_\_ dollars  
and \_\_\_\_\_ cents.

20. Which of the following expressions is most suitable for  
estimating the value of  $2\frac{7}{8} \times 4.2 + 7.09$  ?

- A.  $2 \times 4 + 7$
- B.  $2 \times 4 + 8$
- C.  $3 \times 4 + 7$
- D.  $3 \times 4 + 8$

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

21.

**Price of Drinks**

Coffee	\$ 12.00
Tea	\$ 10.50
Soft drink	\$ 9.50

Jason had \$30. He bought two cups of soft drink. With the money left, he can buy

- A. one cup of coffee.
- B. one cup of tea.
- C. two cups of soft drink.
- D. one cup of tea and one cup of soft drink.

22. (a) Change  $\frac{9}{20}$  into a percentage.

Answer: \_\_\_\_\_ %

(b) Change 236% into a fraction and reduce it to the simplest form.

Answer:

Please do not write in the margin.



請把電腦條碼貼在方格內  
Please stick the barcode label in the box



23.



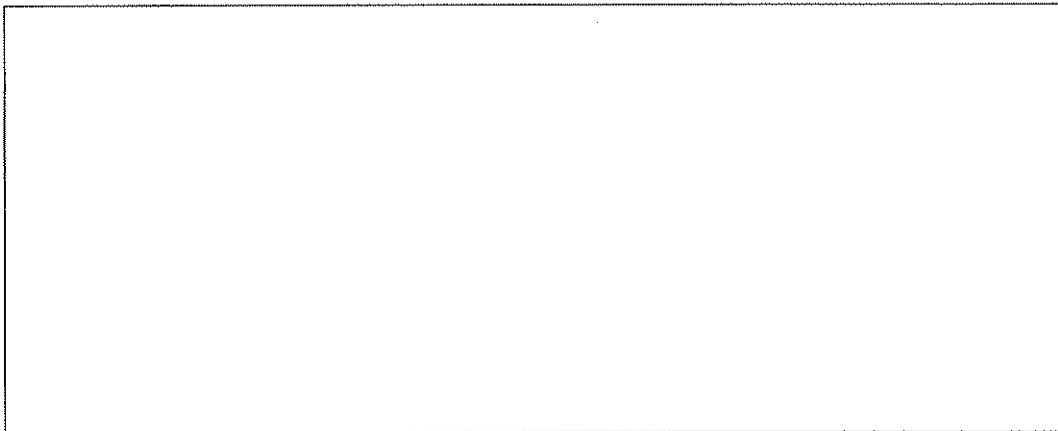
Soup A



Soup B

The capacities of canned soup A and soup B are 320 mL and 400 mL respectively. What percentage of the capacity of soup B is the capacity of soup A?

(show your working)



24. The tennis match started at



It was \_\_\_\_\_ minutes past \_\_\_\_\_ in the

\*morning / afternoon (\*circle the answer).

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

25. Kelvin made a calendar but missed out the last week of July.

2010 JULY						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

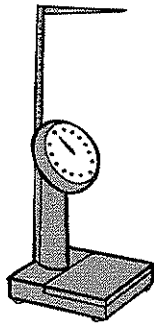
- (a) Fill in the missing days on the calendar above.
- (b) Kelvin joined a 7-day camp which started on the last Sunday of June. The day was the \_\_\_\_\_ of \_\_\_\_\_.  
(month)
- (c) The camp ended on the \_\_\_\_\_ of \_\_\_\_\_.  
(month)

26. Fill in each blank with a suitable unit of measurement.
- (a) The length of the railway from Hung Hom to Lo Wu is about 42 \_\_\_\_\_.
- (b) The body weight of an adult is about 65 \_\_\_\_\_.
- (c) The capacity of a water bottle is about 400 \_\_\_\_\_.

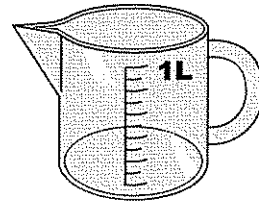
Please do not write in the margin.

Please do not write in the margin.

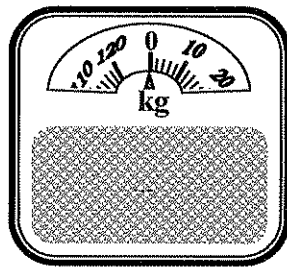
27. Which of the following tools is most suitable for measuring the weight of a can of soft drink?



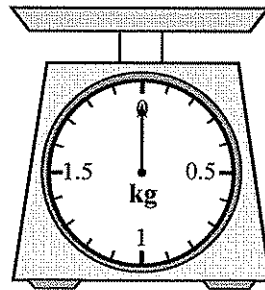
A.



B.



C.

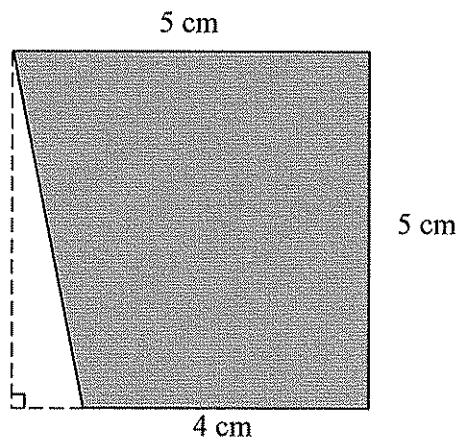


D.

28. A piece of iron coil is 10 m long. How many rings of diameter 1 m can be made at most?

Answer: \_\_\_\_\_ rings can be made at most.

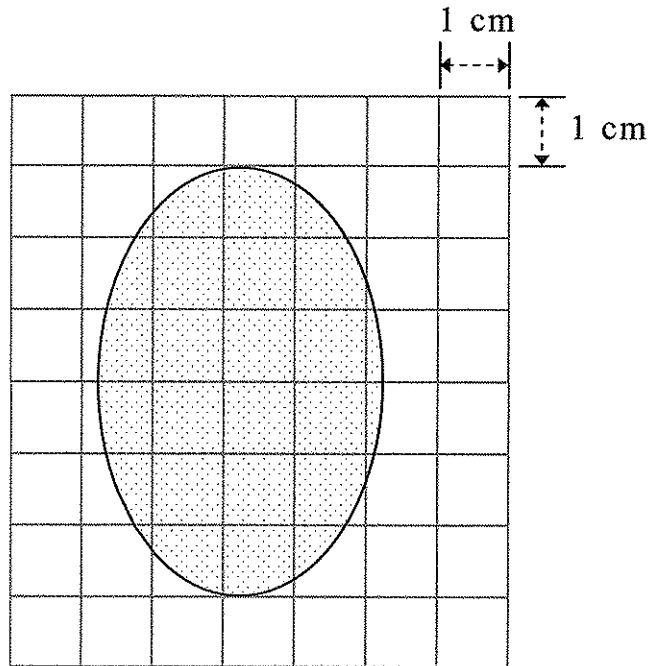
29. A triangle is cut away from a piece of square paper. The area of the remaining part is \_\_\_\_\_  $\text{cm}^2$ .



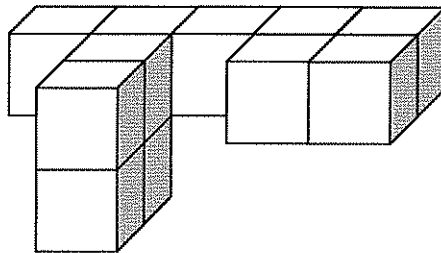
Please do not write in the margin.

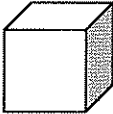
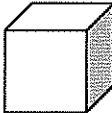
Please do not write in the margin.

30. In the diagram below, the side of each small square is 1 cm. The area of the shaded part is about \_\_\_\_\_ . (give the answer with a unit)



31.



The solid shown above is made up of  . The volume of each  is  $2 \text{ cm}^3$ . The volume of the solid is \_\_\_\_\_  $\text{cm}^3$ .

Please do not write in the margin.

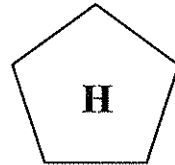
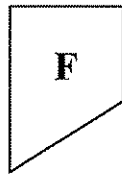
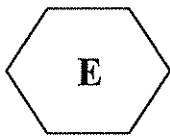
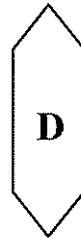
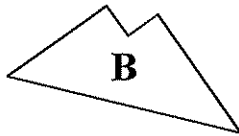
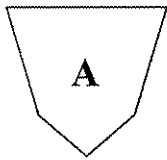
Please do not write in the margin.

32. The average speed of a tram is about 30 \_\_\_\_\_ .  
(write a suitable unit)

33. The average speed of a rocket is 742.5 metres per second.

In 10 seconds, the rocket travels \_\_\_\_\_ m.

34.



(a) Which of the shapes above is/are pentagon(s)? Write the letter(s) for the answer.

Answer: \_\_\_\_\_

(b) Which of the quadrilaterals above has/have two pairs of parallel opposite sides? Write the letter(s) for the answer.

Answer: \_\_\_\_\_

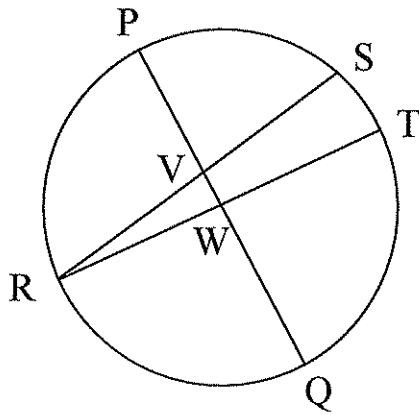
Please do not write in the margin.

Please do not write in the margin.

35. A quadrilateral has two pairs of parallel opposite sides. Its four sides are equal. It has no right angle. The quadrilateral is a

- A. rhombus.
- B. rectangle.
- C. trapezium.
- D. square.

36.



PQ and RT are diameters of the circle above.

(a) \_\_\_\_\_ is the centre of the circle.

(b) In the figure,

\* TR / TW / PV / PW / VW / VS

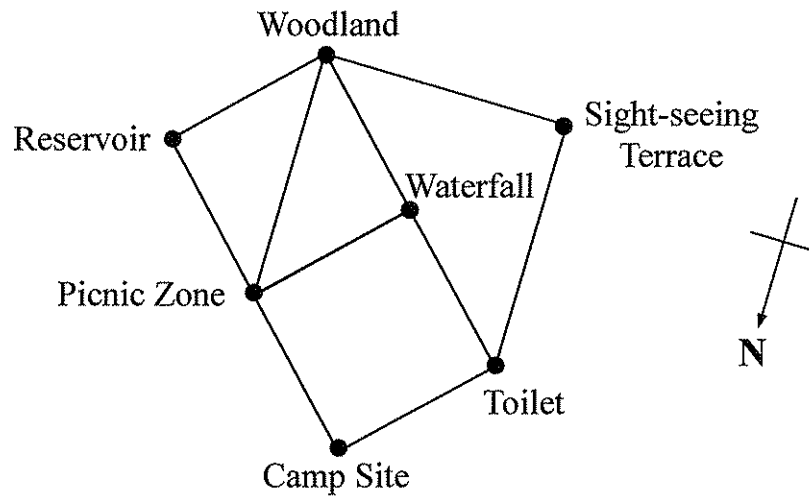
are radii of the circle.

(\*circle all the answers)

Please do not write in the margin.

37.

The Map of Country Park



(a) From the Camp Site, Joyce goes bird-watching in the Woodland.

She goes south-west to the \_\_\_\_\_ and then turns \_\_\_\_\_ to the Woodland.  
(direction)

(b) From the Reservoir, Wilson goes to the Waterfall.

Firstly he goes to the \_\_\_\_\_. After passing  
(direction)  
the \_\_\_\_\_, he turns \_\_\_\_\_ to the  
(direction)  
Waterfall.

38. A ticket to a concert costs \$80.

$N$  tickets cost \$ \_\_\_\_\_.

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

39.  $100P = 2$

$P =$

40.  $\frac{B}{8} - 7 = 3$

$B =$

41. Tom has \$80 pocket money.  $\frac{2}{5}$  of Jack's pocket money is \$10 more than Tom's. Find Jack's pocket money by the **method of solving an equation**. (show your working)

Please do not write in the margin.



Please do not write in the margin.

42. The following table is the medal record of a joint-school sports event.

School	A	B	C	D
Number of medals	51	36	23	19
Rounded to the nearest tens				

- (a) Round off the number of medals to the nearest tens and complete the above table.
- (b) Using 1  $\oplus$  to represent 10 medals, construct a pictogram with the data rounded to the nearest tens and give it a suitable title.

--

(Title)

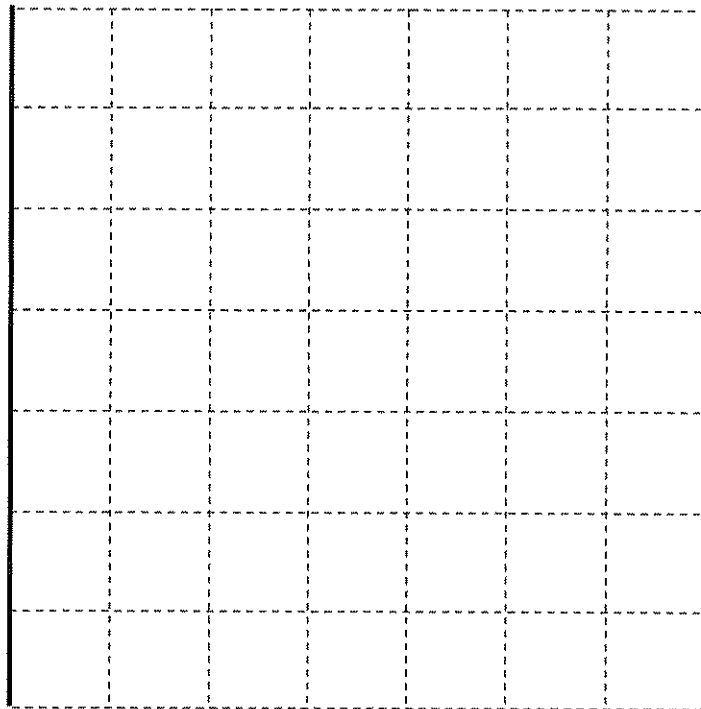
Each  $\oplus$  represents 10 medals

School A

School B

School C

School D

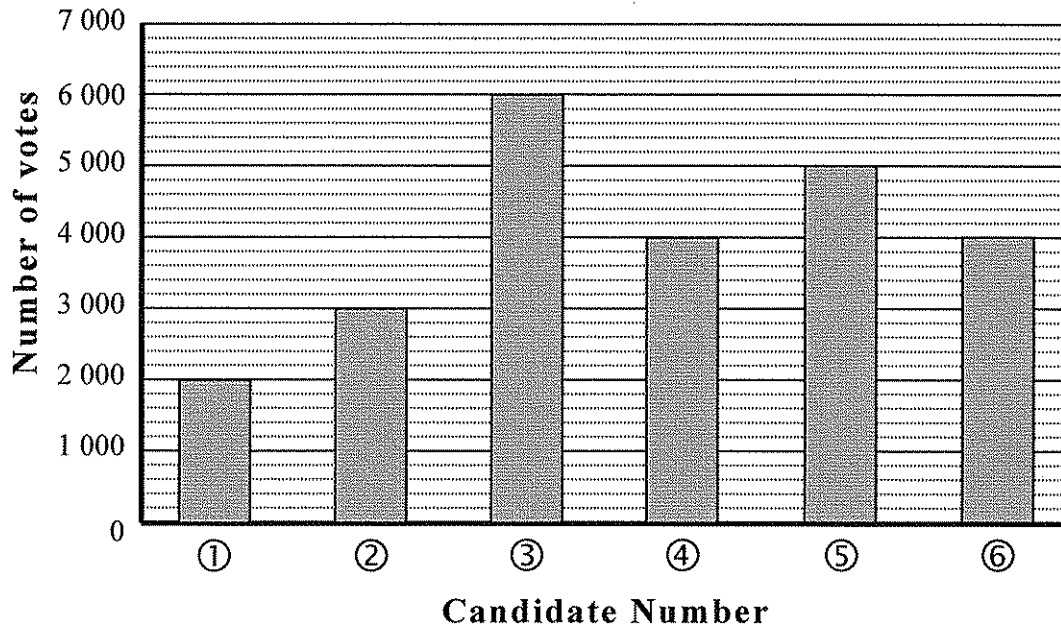


Please do not write in the margin.

Please do not write in the margin.

43. The following shows the result of a district council election. Each elector can choose one candidate only.

**The Result of District Council Election**



- (a) The two candidates who receive the two largest numbers of votes win the election. Their candidate numbers are \_\_\_\_\_ and \_\_\_\_\_ .
- (b) The number of electors who have voted is \_\_\_\_\_ .
- (c) The total number of electors in the district is 48 000. The number of electors who have voted is \_\_\_\_\_ % of the total number of electors in the district.

Please do not write in the margin.

44. The following tables show the weights of three boys and two girls.

Weights of boys	
Tom	30 kg
John	35 kg
Dick	34 kg

Weights of girls	
Mary	29 kg
Ann	33 kg

- (a) The average weight of the boys is \_\_\_\_\_ kg.
- (b) The average weight of the girls is \_\_\_\_\_ kg.
- (c) The average weight of all the above children  
is \_\_\_\_\_ kg.

— END OF PAPER —

Please do not write in the margin.

Please do not write in the margin.

