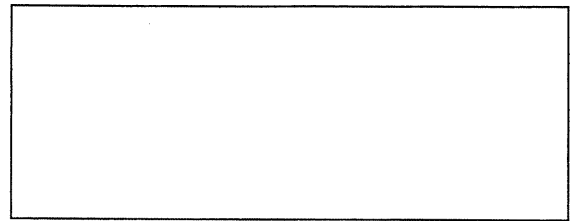


* 6 M E 2 *

6 M E 2



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Please stick the barcode label in the box

Education Bureau Territory-wide System Assessment 2009 Primary 6 Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 45 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 margin.
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

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Class
班別

6	
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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 2.09, the digit '0' is in the _____ place.

2. Which of the following numbers is a multiple of 36?

- A. 1
- B. 6
- C. 24
- D. 72

3. List all the factors of 57.

Answer: _____

4. The first common multiple of 5 and 20 is 20.

The third common multiple is _____ .

5. The Least Common Multiple (L.C.M.) of 10 and 15 is _____ .

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

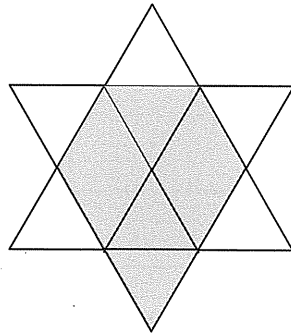
$$\frac{\boxed{}}{5} = 7 = \frac{56}{\boxed{}}$$

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7. Express the shaded part as a fraction of the whole figure below.



Answer: The shaded part is of the whole figure.

8. (a) Change $3\frac{3}{5}$ into an improper fraction.

Answer:

- (b) Change $\frac{55}{8}$ into a mixed number.

Answer:

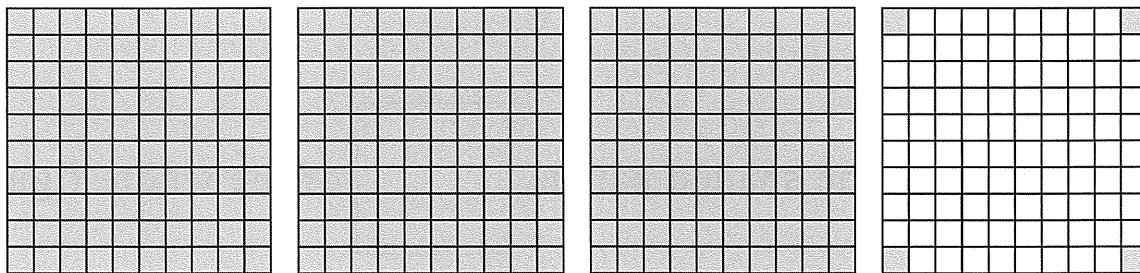
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9. Which of the following expressions is correct?

- A. $\frac{3}{3} = 3$
- B. $4 > \frac{14}{3}$
- C. $3\frac{1}{3} > \frac{16}{5}$
- D. $2\frac{7}{16} > 2\frac{5}{8}$

10.



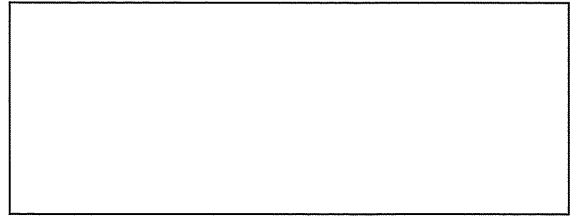
The above diagram shows four large squares. If each large square represents 1, use a decimal to show the shaded part of the above diagram.

Answer: _____

11. Change 6.25 into a fraction and reduce it to the simplest form.

Answer:

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12. Calculate $2.6 \div 1.4$ and correct the answer to two decimal places.

Answer: _____

13. $11 \times (27 + 93) =$ _____

14. $3\frac{4}{5} + 2\frac{3}{5} - 4\frac{2}{5} =$

15. $\frac{1}{6} \times 3\frac{3}{5} \times \frac{5}{9} =$

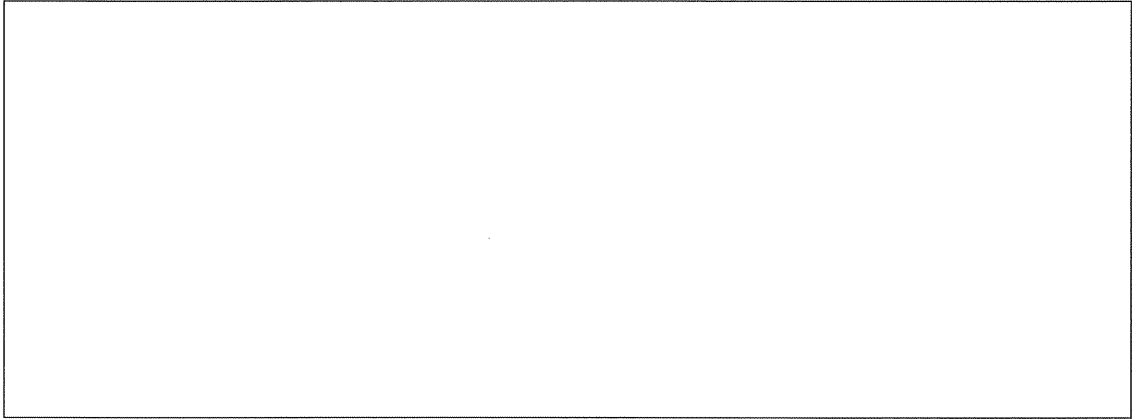
16. Mr Yuen sponsored Polly for the Walk for a Million. Mr Yuen would donate \$25 for the first kilometre and \$12 for each kilometre from the second kilometre onwards.

Polly walked for 8 kilometres and Mr Yuen donated
\$ _____ .

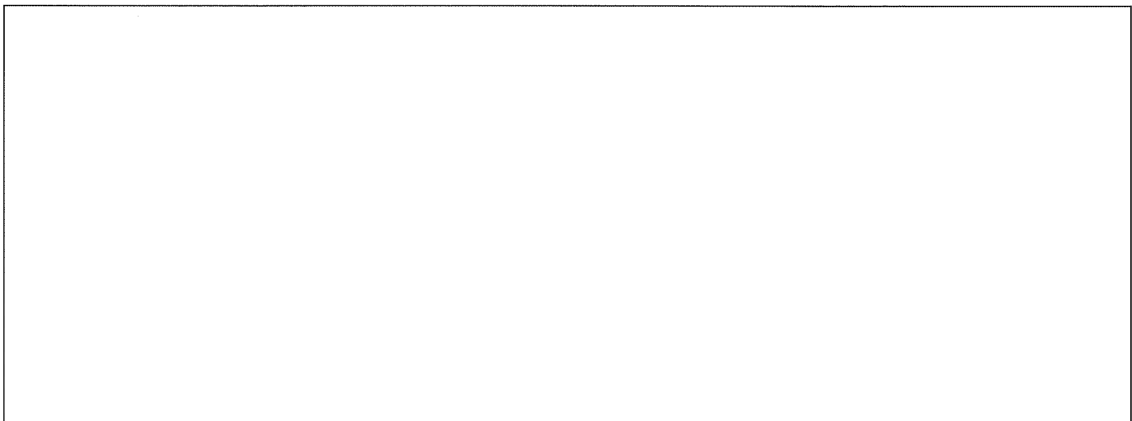
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17. A mathematics exercise book has 216 questions. It takes $1\frac{1}{3}$ minutes on average to do a question. How many minutes does it take to finish $\frac{1}{6}$ of the whole exercise book?
(show your working)



18. Mother buys a tea set for \$564. The tea set includes one teapot and six cups. If the teapot costs \$270, what is the average cost of one cup?
(show your working)

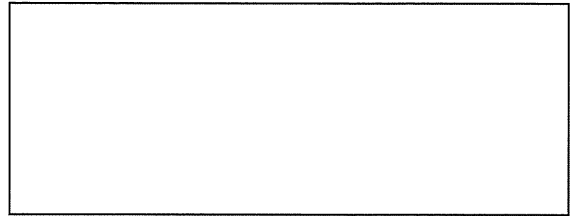


19. Mandy buys two \$1.40 stamps and five \$2.40 stamps at the Post Office. How much does she pay altogether?

Answer: She pays _____ . (give the answer with a suitable unit)

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20.

Yummy Restaurant

Wanted: Part-time worker

Work: 4.5 hours a day

Wage: \$50 per hour

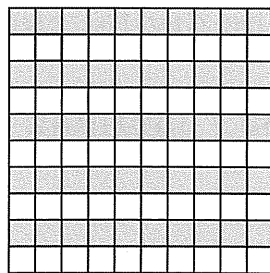
Kelvin worked part-time in Yummy Restaurant for four days.

He earned \$ _____ .

21. A box of chocolates costs \$48.60. Lily has \$298 and she buys three boxes of chocolates. Which of the following expressions is most suitable for estimating the amount of money she has left?

- A. $290 - 40 \times 3$
- B. $290 - 50 \times 3$
- C. $300 - 40 \times 3$
- D. $300 - 50 \times 3$

22. The shaded part of the following figure is _____ % of the whole.



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Please do not write in the margin.

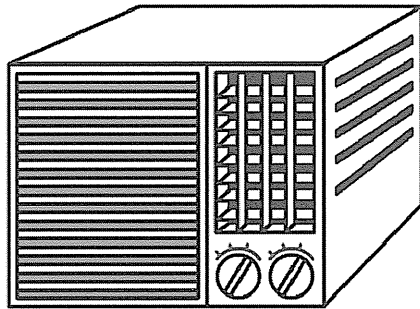
23. (a) Change $1\frac{3}{4}$ into a percentage.

Answer: _____ %

(b) Change 12.5% into a fraction and reduce it to the simplest form.

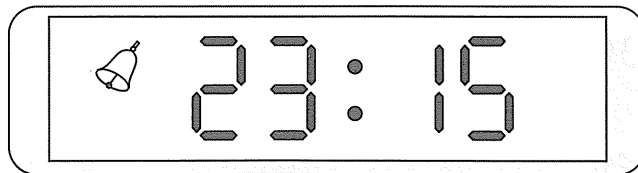
Answer:

24.



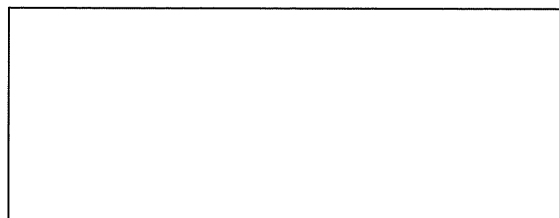
The original price of an air-conditioner is \$3650. It is sold at 20% off now. Its selling price is \$ _____.

25.



The time shown on the digital clock is _____ minutes past _____ in the * morning / afternoon. (*circle the answer)

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26.

2009 December						
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	25	26
27	28	29	30	31		

(a) Mary goes hiking on the third Sunday of December.

That day is the _____ of _____ .
(month)

(b) Oscar has joined a 4-day wild camp. The camp will start on the last Tuesday of December and end on the

_____ of _____ .
(month)

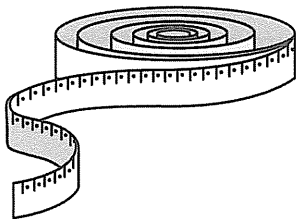
(c) The fifth day of January next year

is _____ .
(day of the week)

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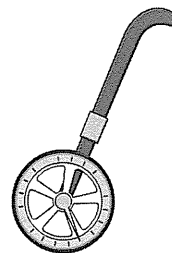
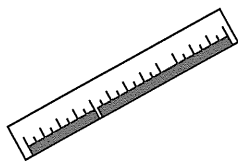
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27. Which of the following tools is most suitable for measuring the length of a pair of trousers?



A. Measuring tape

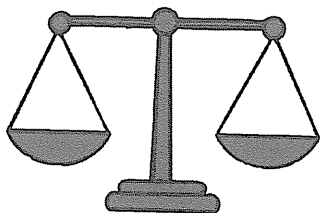
B. Finger span



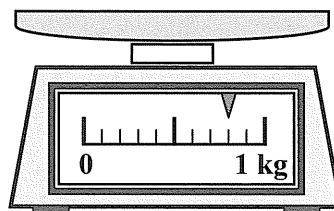
C. Centimetre rule

D. Trundle wheel

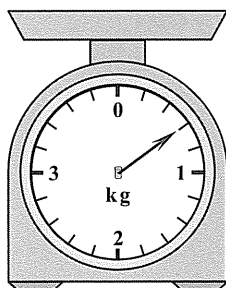
28. Which of the following tools is most suitable for measuring the weight of a primary student?



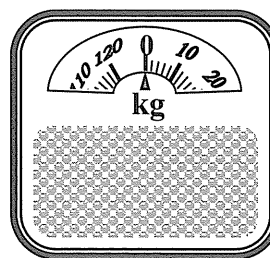
A.



B.



C.

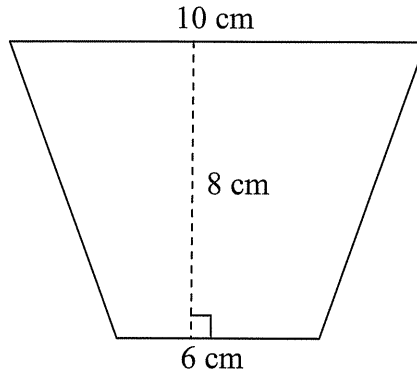


D.

29. The circumference of a circular fountain is 44 m. Find its radius. (take π as $\frac{22}{7}$)

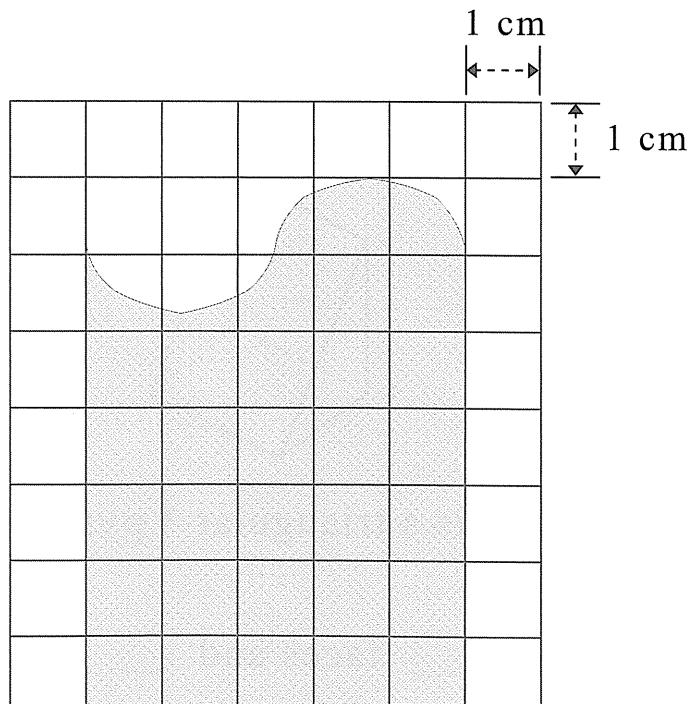
Answer: The radius of the fountain is _____ m.

30.



The area of the trapezium above is _____ cm^2 .

31. 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)

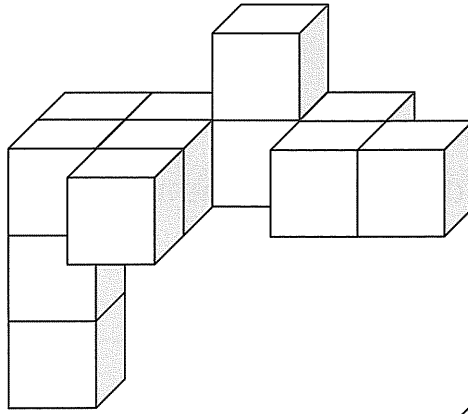


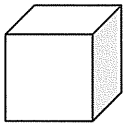
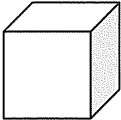
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32.



The solid shown above is made up of . The volume of each  is 4 cm^3 .

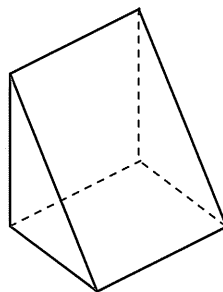
The volume of the solid is _____ cm^3 .

33. The average speed of a lift moving upwards is 6 m/s . How many seconds are needed for the lift to move up 216 m ?

Answer: _____ seconds are needed.

34. The speed of cars in the city is usually 50 _____.
(write a suitable unit)

35.

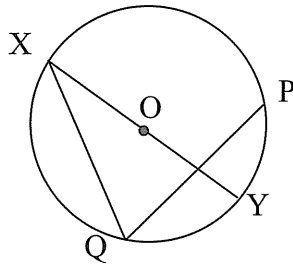


The above solid is a triangular * pyramid / prism. (*circle the answer)

It has _____ faces and _____ edges.

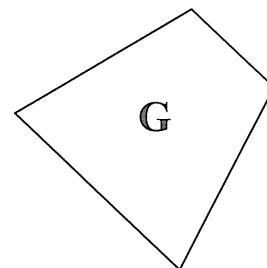
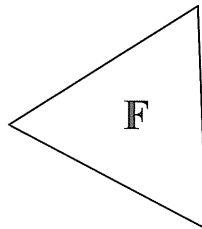
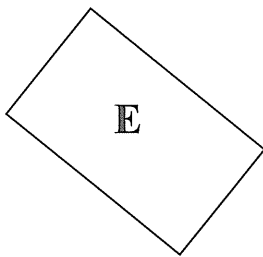
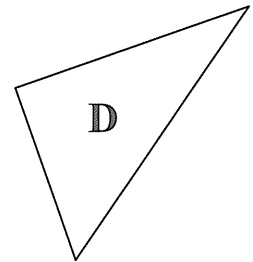
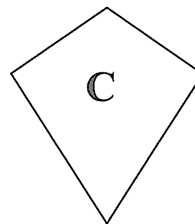
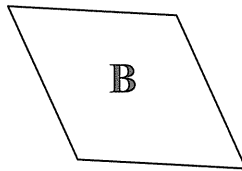
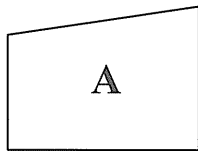
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36. In the diagram below, O is the centre.



- (a) OY is a _____ of the circle.
- (b) Which of the following straight lines is a diameter?
- A. XO
 - B. QX
 - C. XY
 - D. PQ

37. Study the following 2-D shapes. Write the letter(s) for the answer.

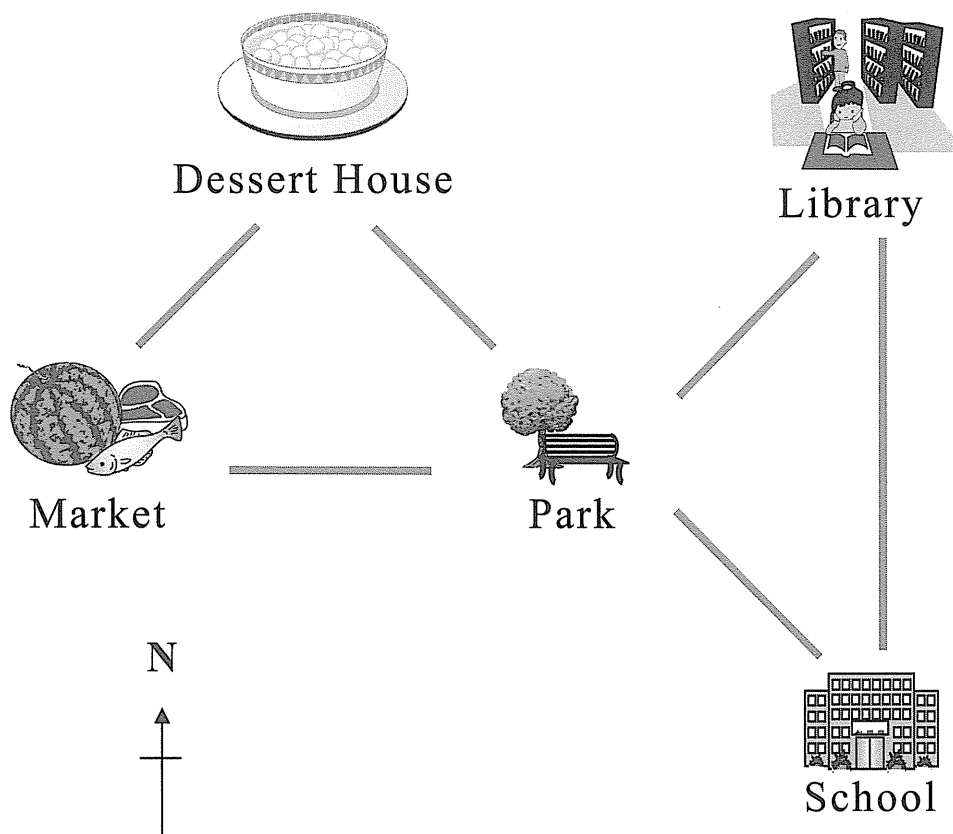


- (a) Right-angled triangle: _____
- (b) Rhombus: _____
- (c) Trapezium: _____

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38.



(a) The Dessert House is to the _____ of the Park.
(direction)

(b) Catherine goes _____ from the Library to the Park. Then she goes west and reaches the _____.

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39. Jason has bought T bulbs. He breaks 20 bulbs. Then he hangs the remaining bulbs on four Christmas trees. What is the average number of bulbs on each tree?

- A. $T - 20 \div 4$
- B. $(T - 20) \div 4$
- C. $4 \div T - 20$
- D. $T \div 4 - 20$

40. $25 = \frac{y}{10} + 11$

$y =$

41. $12.7 = 3B - 2.3$

$B =$

42. Two times Daisy's weight is 2 kg greater than the weight of her father. Her father's weight is 74 kg. Find the weight of Daisy by the method of solving equation.

(show your working)

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Please do not write in the margin.

Please do not write in the margin.

43. The following table shows the sales of different types of flowers at a florist yesterday.

(a) Round off the number of flowers sold to the nearest tens and complete the table below.

Types of Flowers	Rose	Tulip	Carnation	Lily
Number of flowers sold	60	9	25	22
Rounded to the nearest tens				

(b) Round off the number of flowers sold to the nearest hundreds and complete the table below.

Types of Flowers	Rose	Tulip	Carnation	Lily
Number of flowers sold	60	9	25	22
Rounded to the nearest hundreds				

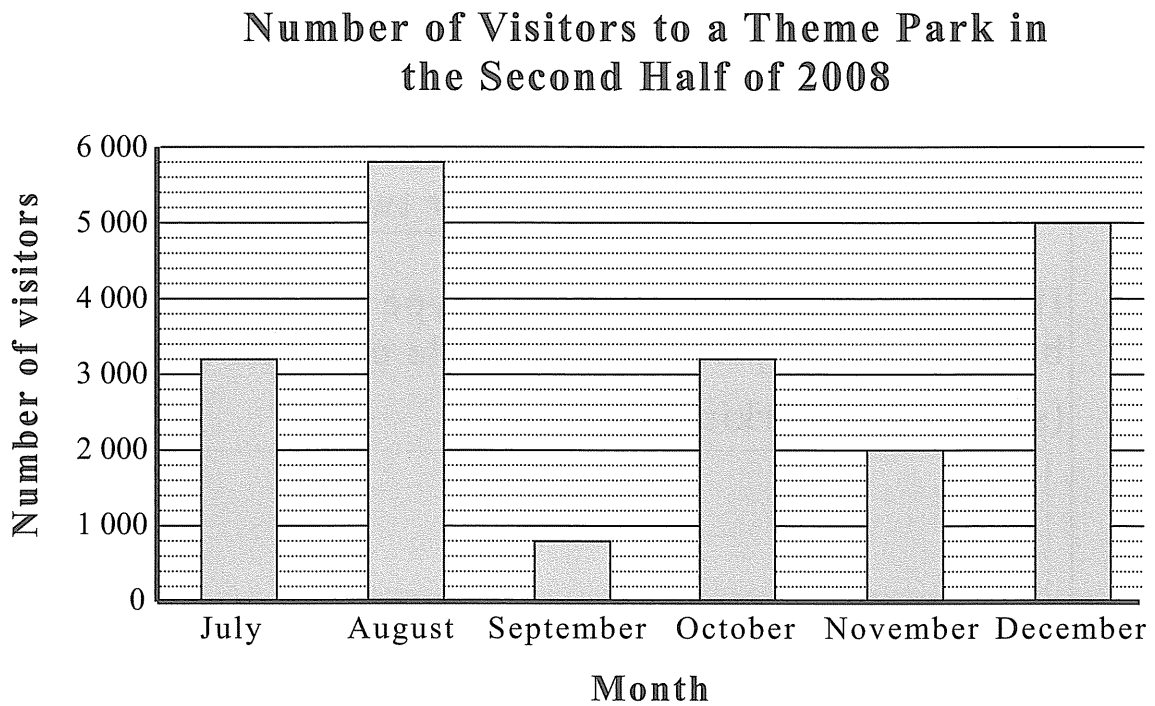
(c) If you construct a pictogram according to the following data, would you choose “Each picture represents 100 flowers”? Why?

Types of Flowers	Rose	Tulip	Carnation	Lily
Number of flowers sold	60	9	25	22

Answer: * Yes / No (* circle the answer). This is because

_____ .

44. The following bar chart shows the number of visitors to a theme park in the second half of 2008.



- (a) The month with the fewest visitors was _____
and the number of visitors was _____.
- (b) The months of _____ and _____
had the same number of visitors.
- (c) The number of visitors in August was _____ %
of the total number of visitors in the second half of
2008.

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Please do not write in the margin.

45. The following table shows the prices of three types of green tea in a supermarket.

Green Tea	Price
A	\$17 each bottle
B	\$15.50 each bottle
C	\$25 for two bottles

If you buy two bottles of each type of green tea, what will be the average price of one bottle of green tea?

(show your working)

— END OF PAPER —

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2009-TSA-MATH-6ME2-20