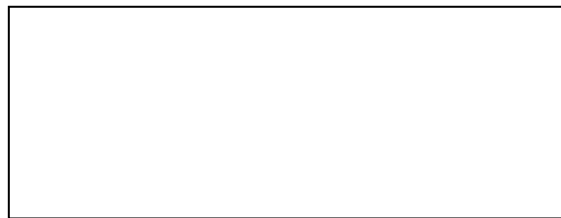




6	M	E	4
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↑
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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2019
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 36 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 for answering questions:

- (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, 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

P			
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Class
班別

6	
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Class No.
班號

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

1. Arrange the following numbers from the largest to the smallest.

8 3 1 0 , 8 1 0 3 1 , 1 3 0 8 1

Answer: _____ , _____ , _____
(Largest) (Smallest)

2. List all the common factors of 18 and 27.

Answer: _____

3. Which of the following numbers are the common multiples of 4 and 14?

(Circle all the answers)

2

7

14

28

56

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4. $\frac{8}{9}$ is * smaller than / equal to / larger than $\frac{7}{7}$.

(*Circle the answer)

5. Change $\frac{6}{7}$ into a decimal correct to two decimal places.

Answer: _____

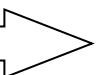
6. When 530 is divided by 15, the quotient is _____
and the remainder is _____.

7. $2.5 \times 4 \times 1.8 =$ _____

8. Which of the following numbers has the digit '0' in its tenths place?

- ☐ A. 18 205
- ☐ B. 1 820.5
- ☐ C. 182.05
- ☐ D. 18.205

Please do not write in the margin.

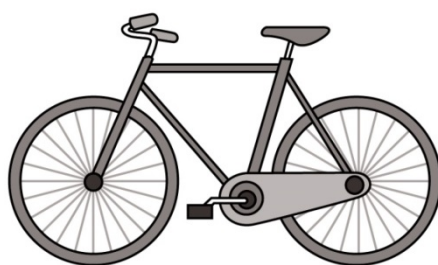


9. $\frac{1}{7} + 3\frac{2}{7} - 2\frac{4}{7} =$

10. $\frac{3}{8} \div 3 \times \frac{4}{5} =$

11. $2.4 \div (2.6 - 0.8) =$ _____
(Round the answer to two decimal places)

12.



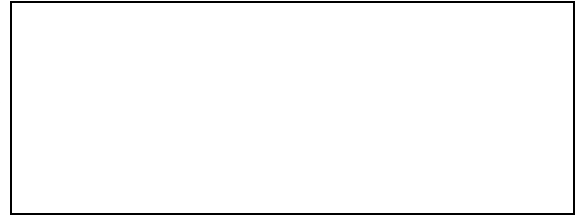
Original Price
399 dollars

During a sale, Helen bought a bicycle. The original price was 399 dollars. She paid with a 500-dollar note and got 301 dollars change.

Which of the following expressions is most suitable for estimating the amount (in dollars) Helen has saved?

- ☐ A. $300 - (500 - 300)$
- ☐ B. $400 - (500 - 400)$
- ☐ C. $400 - (500 - 300)$
- ☐ D. $500 - (500 - 400)$

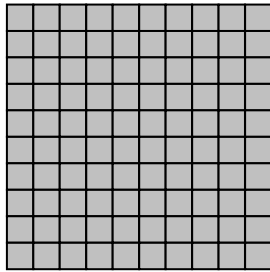
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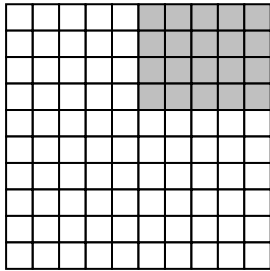
13. The length of a wooden ruler is 1 m and that of a plastic ruler is 0.4 m. The length of the wooden ruler is _____ times that of the plastic ruler.

14.



stands for 1.

Represent the shaded part in the diagram below with a decimal.



- ☐ A. 0.02
- ☐ B. 0.2
- ☐ C. 0.2%
- ☐ D. $\frac{20}{100}$

Please do not write in the margin.

15. Winnie prepares $3\frac{3}{10}$ L of soft drink and $1\frac{3}{5}$ L of juice for the picnic.

The juice is

L less than the soft drink.

16. There are 80 trees in a park. $\frac{5}{8}$ of them are pine trees and the rest are maple trees. How many maple trees are there in the park?

(Show your working)

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17. (a) Change $1\frac{9}{50}$ into a percentage.

Answer: _____ %

- (b) Change 4.5% into a fraction and reduce it to the simplest form.

Answer:

18.

Summer Sale
All items sold at **25% off**

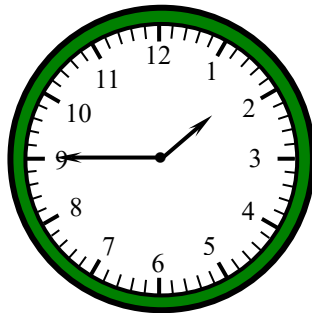
The original price of a camera was \$6 500.

During the summer sale, it was sold at \$ _____ .

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Please do not write in the margin.

19. Linda and Calvin visited a museum.



- (a) The clock above showed the time they arrived at the museum.

The time was _____ : _____ p.m.

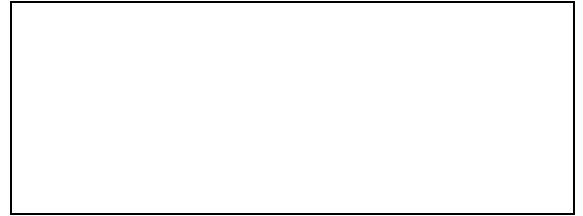
- (b) Linda left the museum at 3:15 p.m.

In '24-hour time', she left the museum at _____ : _____ .

- (c) Calvin left the museum at 3:25 p.m. Calvin left the museum _____ minute(s) * earlier / later than Linda.

(*Circle the answer)

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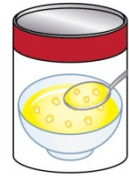


20. Fill in the following blanks with suitable units.

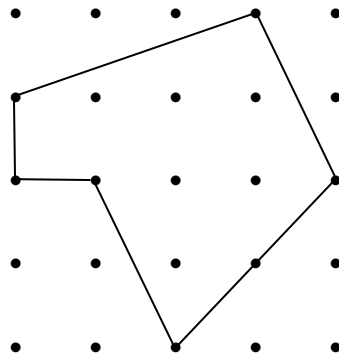
(a) The length of a straw is about 20 _____ .



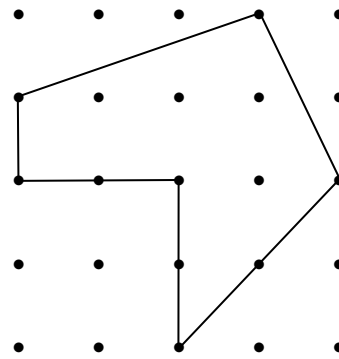
(b) The weight of a can of soup is about
400 _____ .



21.



X



Y

Study the diagrams above. Which of the following statements is correct?

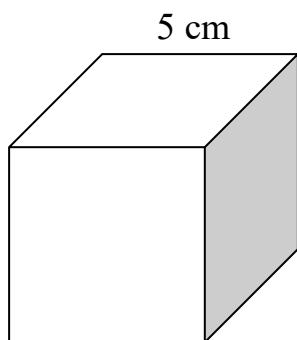
- ☐ A. The perimeter of **X** is shorter than that of **Y**.
- ☐ B. The perimeters of **X** and **Y** are the same.
- ☐ C. The perimeter of **X** is longer than that of **Y**.
- ☐ D. The perimeters of **X** and **Y** cannot be compared.

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Please do not write in the margin.



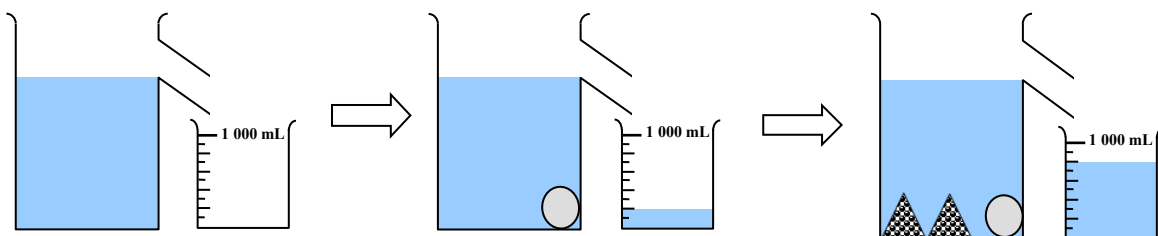
22.




Each side of the cube above is 5 cm. Its volume is

- ☐ A. 25 cm^2 .
- ☐ B. 25 cm^3 .
- ☐ C. 125 cm^2 .
- ☐ D. 125 cm^3 .

23.



(a) The volume of one  is _____ cm^3 .

(b) The volume of one  is _____ cm^3 .

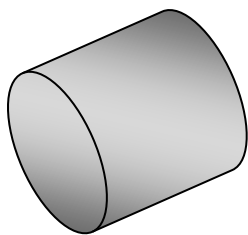
Please do not write in the margin.

24. On the inter-school sports day, Calvin finished the 60-metre race in 9.8 seconds. What was his average speed? (Give the answer correct to one decimal place)

(Show your working)

Please do not write in the margin.

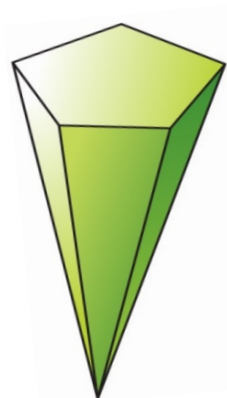
25.



The 3-D shape in the figure above is a

- ☐ A. sphere.
- ☐ B. cylinder.
- ☐ C. cone.
- ☐ D. prism.

26.

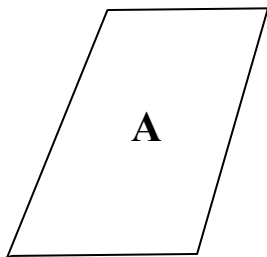
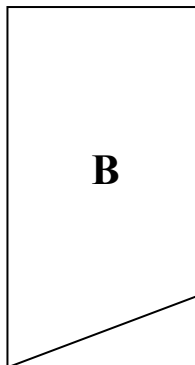
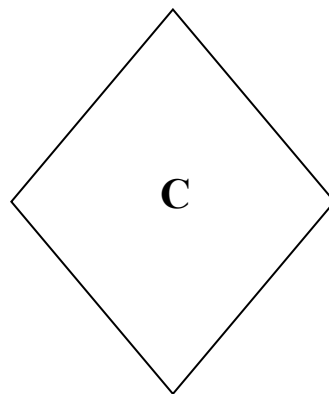


The figure above is a * pyramid / prism .

(*Circle the answer)

It has _____ vertices.

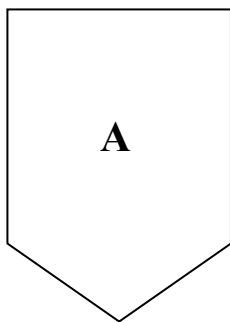
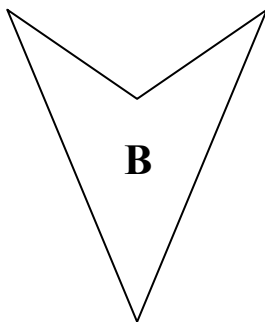
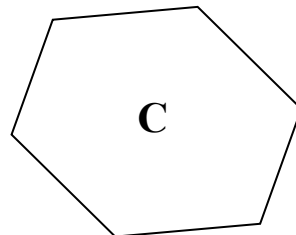
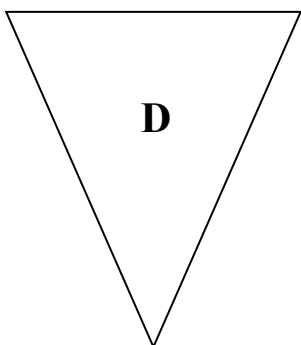
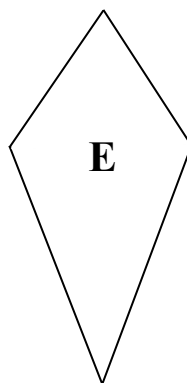
27. Study the 2-D shapes below. Write all the letters for the answers.

**A****B****C**

Rhombus: _____

Trapezium: _____

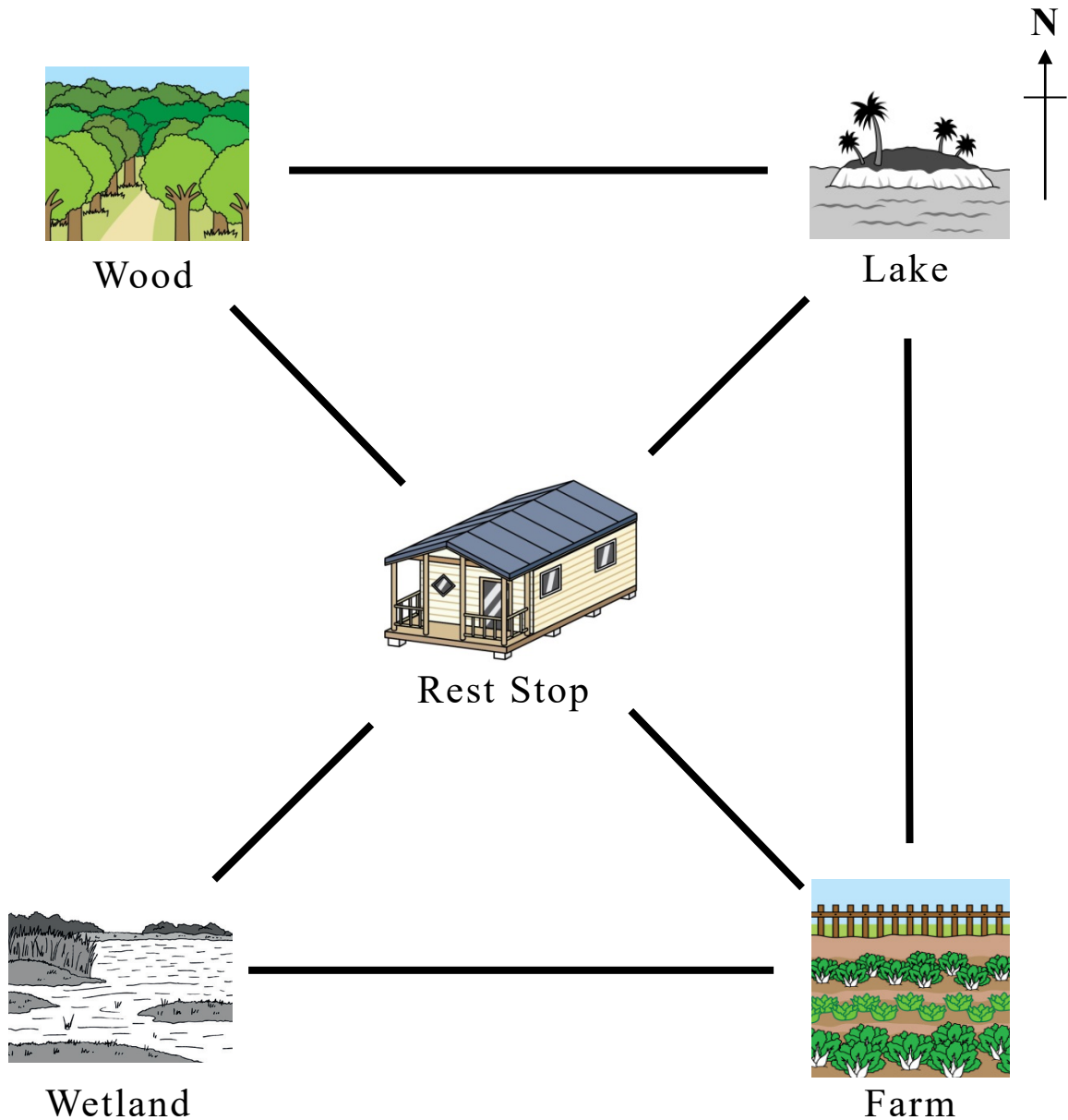
28. Study the 2-D shapes below. Write all the letters for the answers.

**A****B****C****D****E**

(a) Triangle: _____

(b) Hexagon: _____

29. The map of the Conservation District is shown below.



(a) Farm is to the _____ of Lake.
(direction)

(b) Starting from Wetland, Nancy goes
_____ to reach Rest Stop.
(direction)

Then she turns _____ to reach Wood.
(direction)

30. Jane donated some of her pocket money. After she donated x dollars of pocket money, the remaining amount was 60 dollars. What was the original amount (in dollars) of Jane's pocket money?

- ☐ A. $60 + x$
- ☐ B. $60 - x$
- ☐ C. $60x$
- ☐ D. $\frac{60}{x}$

31. Which of the following is an equation?

- ☐ A. $5 = \frac{x}{2}$
- ☐ B. $y - 90$
- ☐ C. $40 \div 5 = 8$
- ☐ D. Y

32. $5 = \frac{x}{6} - 1$

$x =$


33. During the promotion period, the customers can get 100 g of tea more for buying 10 packs of tea. Mr Chan bought 10 packs of tea and got 800 g of tea altogether. Find the weight of each pack of tea by *the method of solving an equation*.

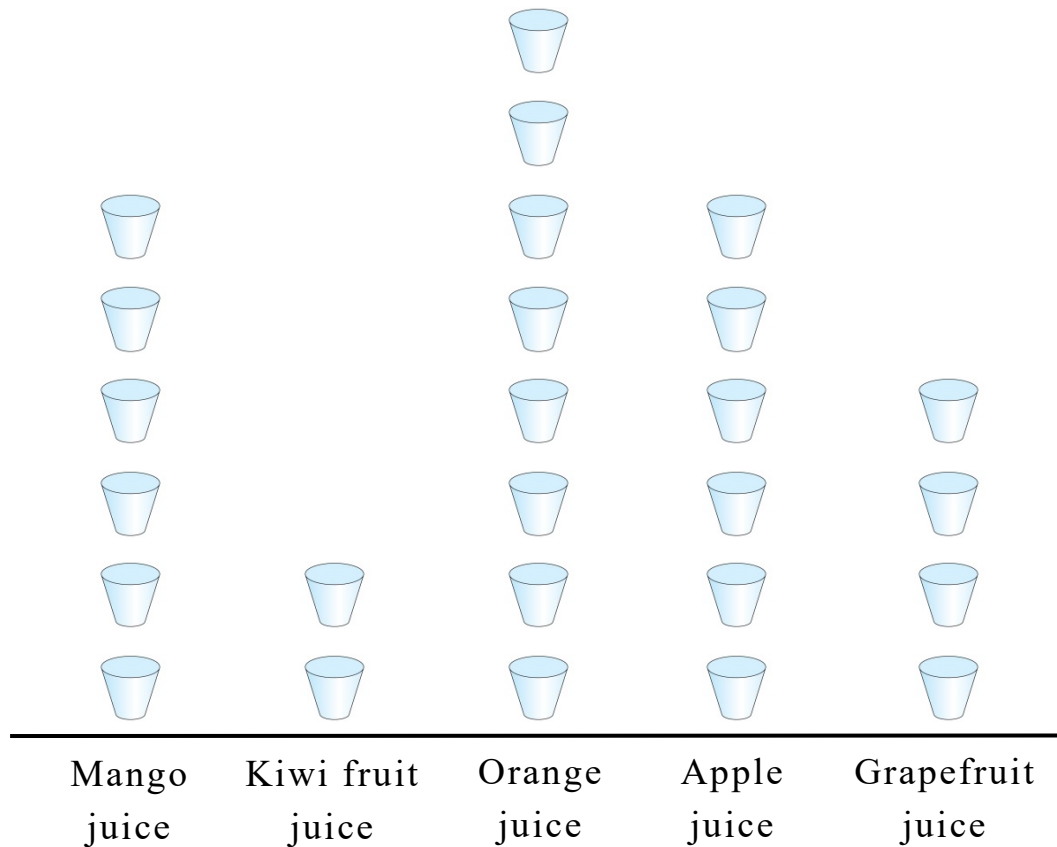
(Show your working)

Please do not write in the margin.

34. The following pictogram shows the sales of different types of juice sold by a fruit shop last week.

**Sales of Different Types of Juice
Sold by a Fruit Shop Last Week**

Each  stands for 1 000 cups

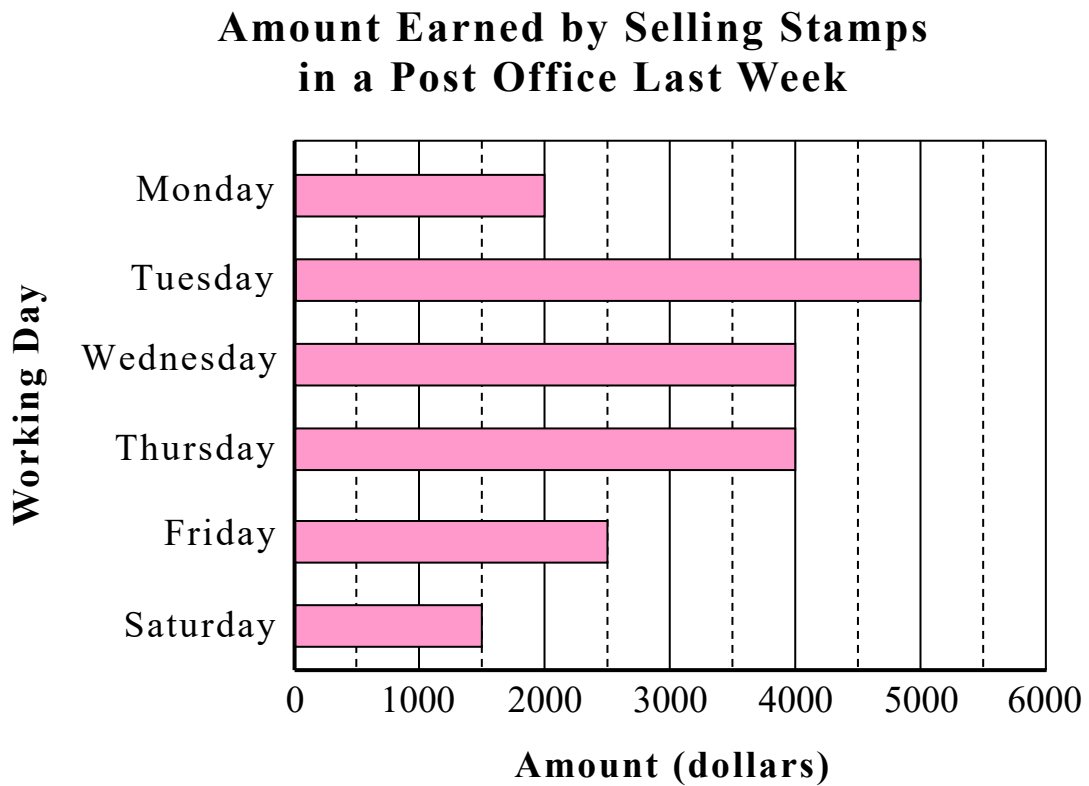


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- (a) The number of cups of _____ juice sold last week was the least. Only _____ cups were sold.
- (b) A total of _____ cups of juice were sold last week.

Please do not write in the margin.

35. The following bar chart shows the amount earned by selling stamps in a post office last week.



- (a) The total amount earned by selling stamps last week was _____ dollars.
- (b) The amount earned on Wednesday was _____ dollars * more / less than that of Saturday.
(*Circle the answer)

Please do not write in the margin.

Please do not write in the margin.

36. The table below shows the monthly savings of Betty in the first quarter.

Month	Savings (dollars)
January	80
February	55
March	45

The average monthly savings of Betty in the first quarter was _____ dollars.

— END OF PAPER —

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