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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				**Class** 班別	6		**Class No.** 班號		

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

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1. Which of the following numbers has the digit '5' in its thousands place?

   - ○ A. 50 961
   - ○ B. 16 059
   - ○ C. 69 105
   - ○ D. 95 610

2. Which of the following numbers is a multiple of 48?

   - ○ A. 8
   - ○ B. 24
   - ○ C. 96
   - ○ D. 124

3. List all the factors of 93.

   Answer: _____

4. The Highest Common Factor (H.C.F.) of 8 and 36 is _____ .

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

   (*Circle the answer)

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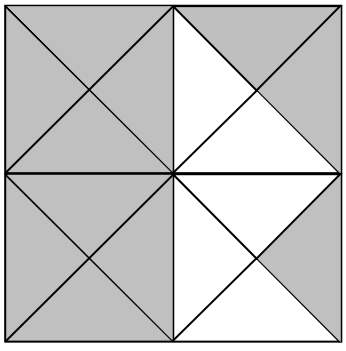
6. The first common multiple of 4 and 20 is 20.

Which of the following numbers is their third common multiple?

- ○ A. 4
- ○ B. 40
- ○ C. 60
- ○ D. 80

7. Shade the figure below with a pencil so that the shaded part is $\frac{3}{4}$ of the whole figure.



8. (a) Change $4\frac{3}{7}$ into an improper fraction.

Answer: ☐

(b) Change $\frac{54}{5}$ into a mixed number.

Answer: ☐

9. Which of the following fractions is the smallest?

(Circle the answer)

$\frac{13}{14}$, $\frac{11}{14}$, $\frac{6}{7}$

10. Change 0.16 into a fraction and reduce it to the simplest form.

Answer: ☐

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11. In the number 0.854, what is the value represented by the digit '5'?

○ A. 5

○ B. $\frac{5}{10}$

○ C. $\frac{5}{100}$

○ D. 50

12. $240 \div (20 + 4) =$ _____

13. $8\frac{5}{6} - 4\frac{3}{4} + 1\frac{1}{3} =$ ☐

14. $\frac{3}{10} \times 1\frac{1}{3} \times 2\frac{1}{4} =$ ☐

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15. $2.18 - 0.07 + 1.5 =$ _____

16. $2.5 \times 4 \times 1.8 =$ _____

17. (a) Change 0.8% into a decimal.

Answer: _____

(b) Change 1.2 into a percentage.

Answer: _____ %

18. Judy has bought 18 apples. $\frac{2}{9}$ of them are red apples.

$\frac{5}{9}$ of them are green apples.

The number of red apples is _____ less than that of green apples.

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19.

Fees of Speed Delivery

Weight of a parcel	Fee
5 kg or less	$10.00 each
More than 5 kg	$14.50 each

Mrs Chan mails 4 parcels by speed delivery. One parcel weighs 1 kg and each of the other three weighs 6 kg. How much should she pay altogether?
(Show your working)

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20.

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 $ _____ .

21. The original price of a smartphone was $4 980. During the sale, Paul bought a smartphone at 78% of the original price. Which of the following expressions is most suitable for estimating the amount (in dollars) paid by Paul?

- ○ A. $4\,000 \times 70\%$
- ○ B. $5\,000 \times 70\%$
- ○ C. $4\,000 \times 80\%$
- ○ D. $5\,000 \times 80\%$

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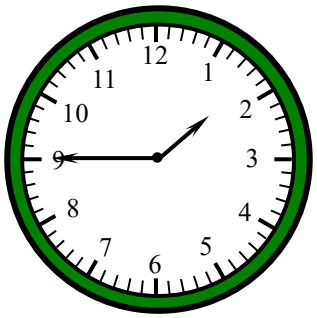
22. Linda and Calvin visited a museum.



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

The time was _____ : _____ p.m.

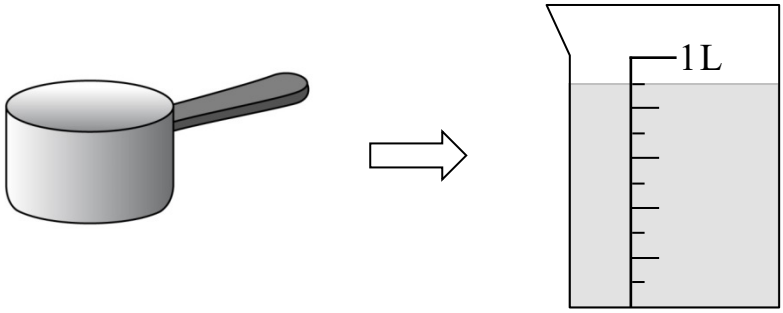
(b) Linda left the museum at 3:15 p.m.

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.

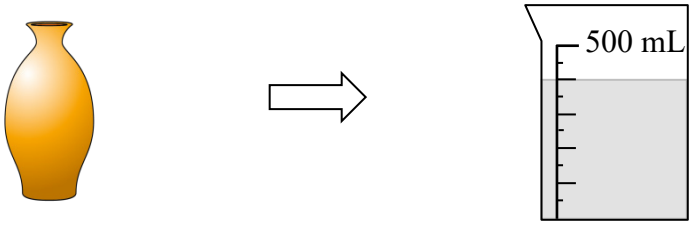
(*Circle the answer)

23. (a) Fill up a pot with water. Then pour all the water in the pot into a measuring cup.



The capacity of the pot is _____ L.

(b) Fill up a vase with water. Then pour all the water in the vase into a measuring cup.



The capacity of the vase is _____ mL.

(c) The capacity of the pot is

_____ mL * more / less than that of the vase.

(*Circle the answer)

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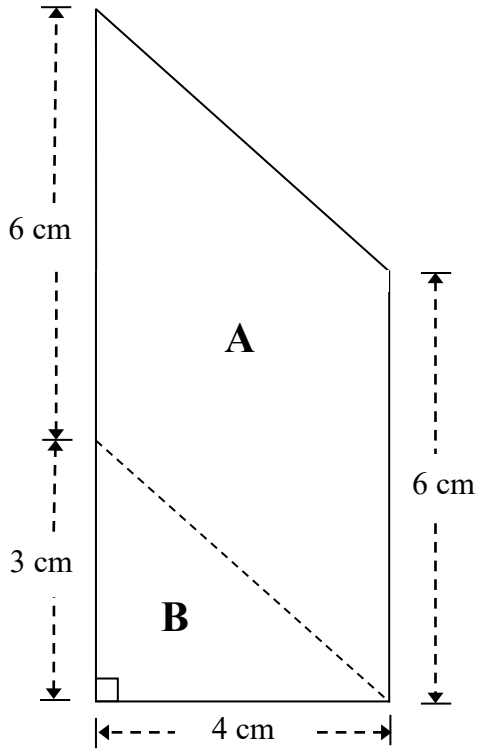
24.

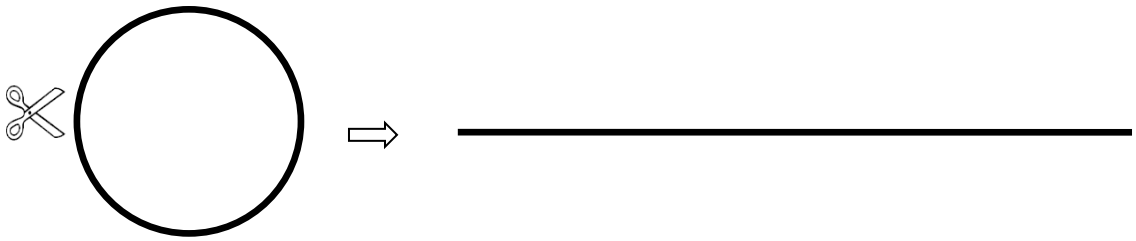


The trapezium above is cut into a parallelogram **A** and a right-angled triangle **B**.

(a) The area of **A** is _____ cm^2.

(b) The area of the trapezium is _____ cm^2.

25.



An iron wire is made by cutting an iron coil (as shown in the diagram above). The length of the iron wire is 19 cm. The diameter of the iron coil is about _____ cm. (Give the answer as a whole number)

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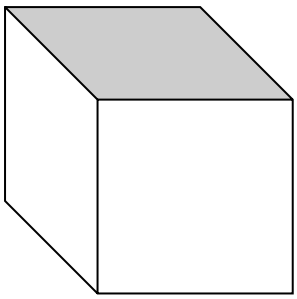
26.



10 cm

The diagram above shows a cubic container.

Its capacity is _____ mL.

27. The speed of a ferry is about

- ○ A. 10 km/h.
- ○ B. 10 h.
- ○ C. 10 h/km.
- ○ D. 10 km.

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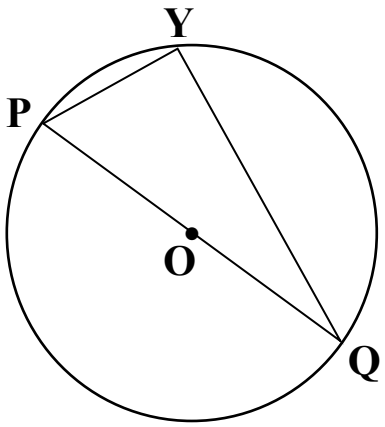
28. A teacher drew a triangle and a circle. **O** is the centre of the circle.



(a) The teacher drew

* a right-angled / an isosceles / an equilateral triangle.

(*Circle the answer)

(b) Which of the following straight lines is a radius?

- ○ A. **PQ**
- ○ B. **PO**
- ○ C. **QY**
- ○ D. **PY**

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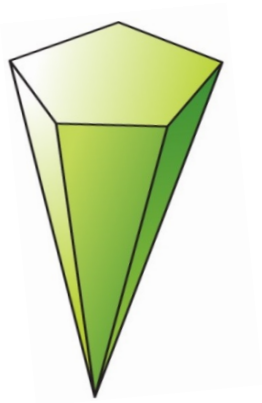
29. 

The figure above is a * pyramid / prism .

(*Circle the answer)

It has _____ vertices.

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. $\frac{60}{x}$

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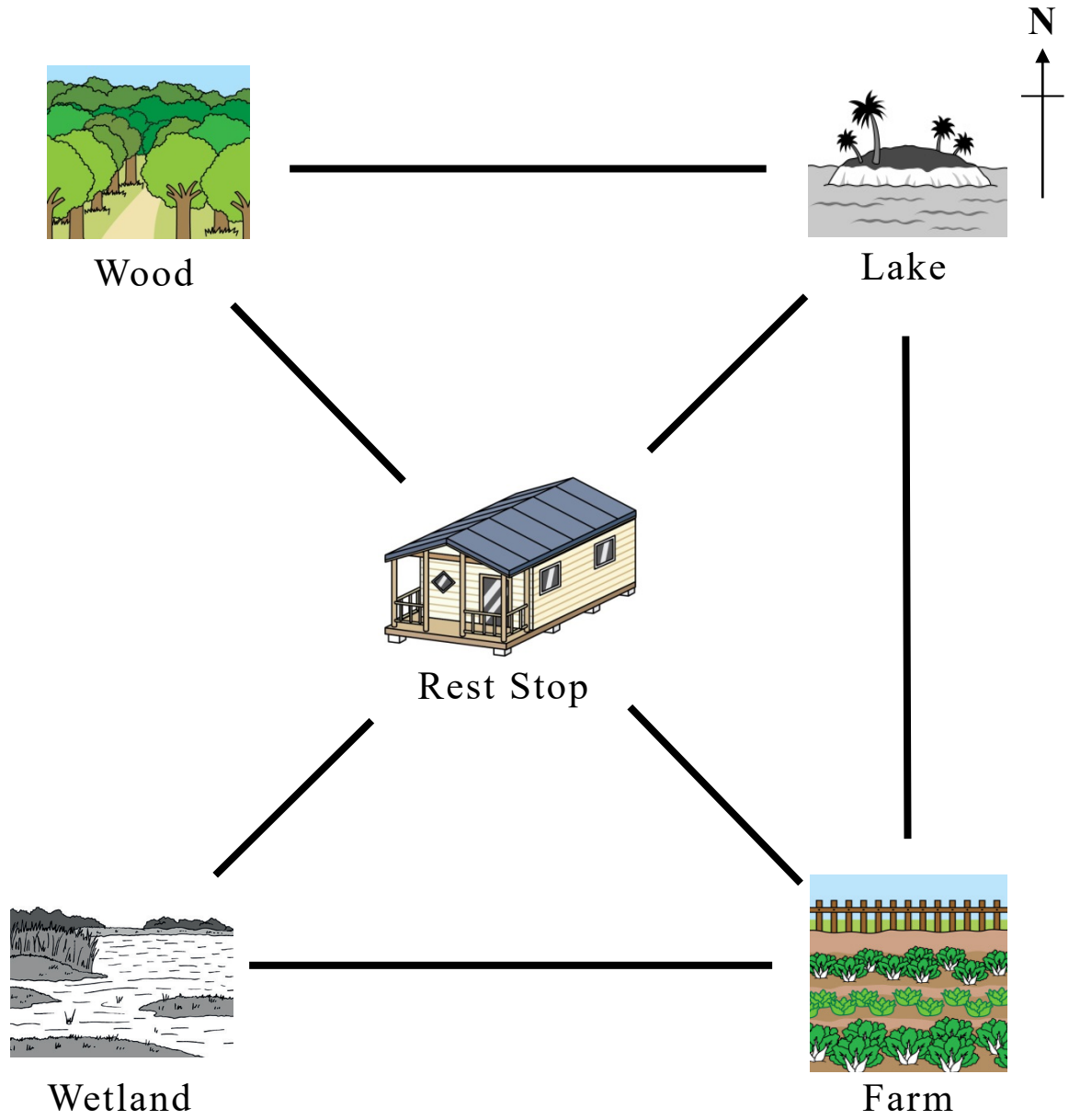
31. The map of the Conservation District is shown below.



(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)

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32. $2K + 0.5 = 8.5$

$K =$ ☐

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)

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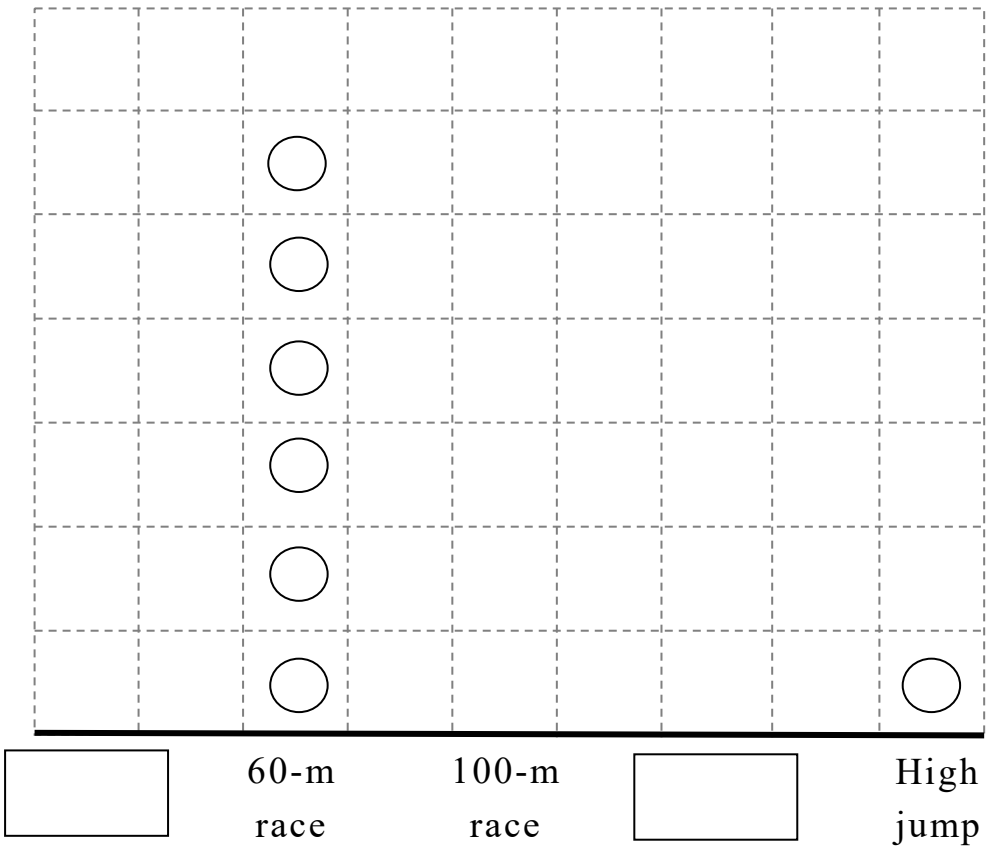
34. Mr Lee did a survey on the number of students who have joined the Inter-school Sports Day. The results are as follows:

Sporting event	Relay	60-m race	100-m race	Long jump	High jump
Number of students	200	600	500	300	100

According to the information in the table above, complete the pictogram below. Give it a title and add the names of the events.

(Title)

Each ◯ stands for 100 pupils



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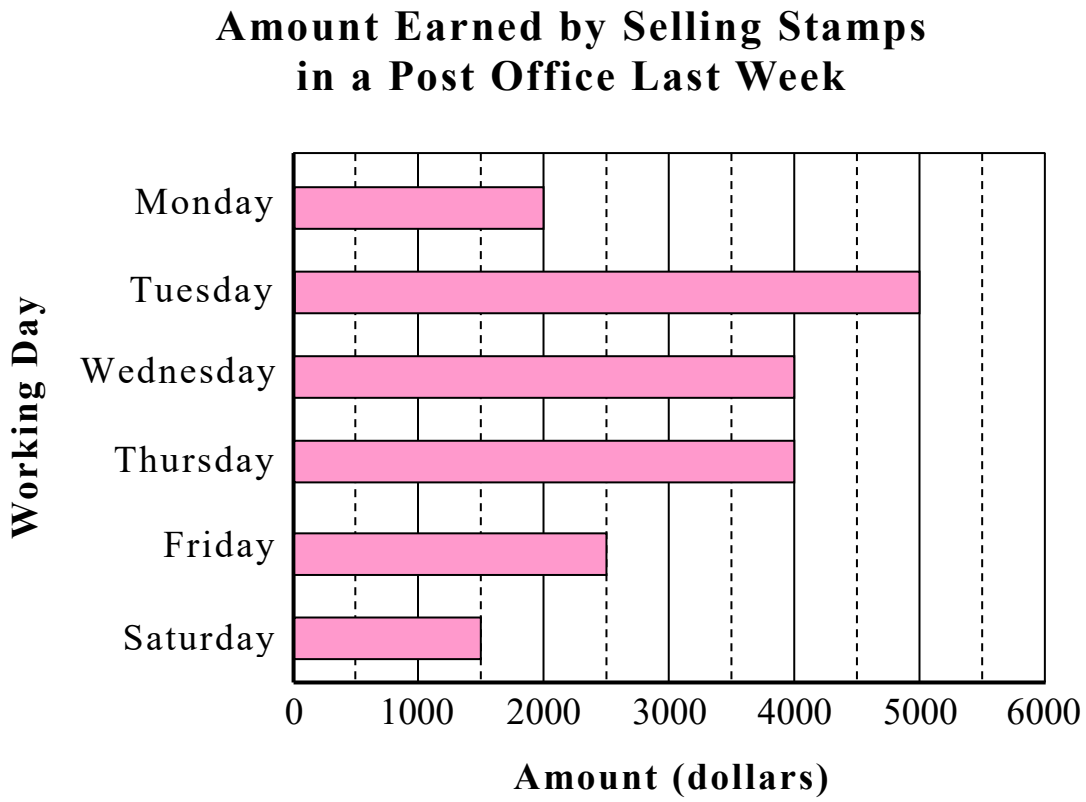
35. The following bar chart shows the amount earned by selling stamps in a post office last week.



(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)

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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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