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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2022 ♦
Primary 6
Mathematics

CANCELLED

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 37 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

♦ 2022 年小六全港性系統評估是學校以自願形式參與，而非全體小六學生參與的全港性系統評估。
School participation in the 2022 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

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

78 009 , 9 887 , 70 889

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

2. Which of the following numbers is a multiple of 16?

- ☐ A. 8
- ☐ B. 48
- ☐ C. 84
- ☐ D. 90

3. Which of the following numbers is a common factor of 15 and 30?

- ☐ A. 60
- ☐ B. 30
- ☐ C. 15
- ☐ D. 6

4. Which of the following numbers is the Least Common Multiple(L.C.M.) of 8 and 12?

- ☐ A. 4
- ☐ B. 24
- ☐ C. 36
- ☐ D. 96

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Please do not write in the margin.

5. Which of the following fractions has its value nearest to 1?

(Circle the answer)

$$\frac{8}{9} \quad , \quad \frac{1}{4} \quad , \quad 1\frac{6}{7}$$

6. (a) Change $20\frac{3}{5}$ into an improper fraction.

Answer:

- (b) Fill in the box with a correct number.

$$\frac{14}{33} = \frac{42}{\boxed{}}$$

7. Change 0.48 into a fraction and reduce it to the simplest form.

Answer:

Please do not write in the margin.

8. In the number 6.245, what is the digit in the thousandths place?

☐ A. '6'

☐ B. '2'

☐ C. '4'

☐ D. '5'

9. $134 + 216 \div 2 =$

☐ A. 108

☐ B. 152

☐ C. 175

☐ D. 242

10. $\frac{2}{3} + \frac{1}{6} - \frac{3}{4} =$

11. $12 \div (3 - 2\frac{1}{7}) =$

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12. $0.15 \div 0.7 =$ _____
(Round the answer to two decimal places)

13. Mrs Lee originally had $3\frac{1}{5}$ kilograms of flour. She used $\frac{3}{4}$ kilogram to make some cakes. kilogram(s) of flour was / were left.

14. There are 54 books on the shelves. $\frac{4}{9}$ of them are novels.
The number of comics is 27, which is _____ more than that of the novels.

15. The original price of a dress is 160 dollars. Heidi buys the dress at 30% off. She should pay _____ dollars.

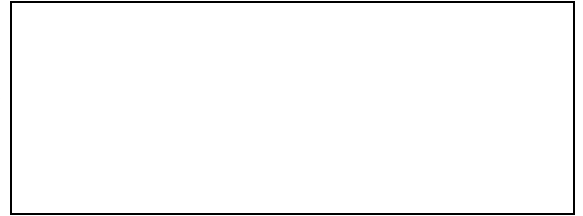
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16. Each bottle of green tea costs 14.5 dollars and each bottle of soft drink costs 8.9 dollars. Patrick buys 1 bottle of green tea and 3 bottles of soft drink. How much should he pay altogether?
(Show your working)

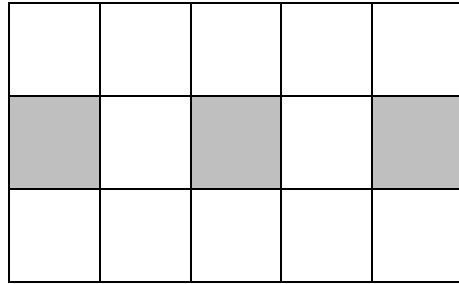
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17. What percentage of the whole figure below is shaded?



Answer: _____ % of the whole figure is shaded.

18. (a) Change 108% into a fraction and reduce it to the simplest form.

Answer:

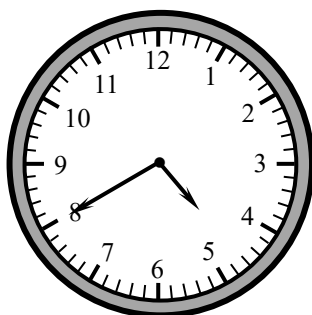
- (b) Change 0.4 into a percentage.

Answer: _____ %

Please do not write in the margin.



19. Ricky met with Jenny at the cinema to watch a movie on Saturday.



- (a) The clock above showed the time Ricky arrived at the cinema.

The time was _____ : _____ p.m.

- (b) Jenny arrived at the cinema at 5:15 p.m.

She arrived at the cinema _____ minute(s)

* earlier / later than Ricky.

(*Circle the answer)

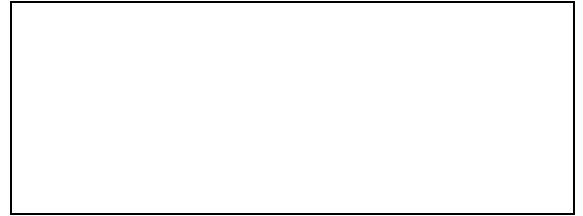
- (c) Below are the show times of the movie.

	First session	Second session	Third session
Starting time	12:30 p.m.	3:00 p.m.	5:30 p.m.

Ricky and Jenny watched the movie in the third session. In '24-hour time', its starting time was

_____ : _____ .

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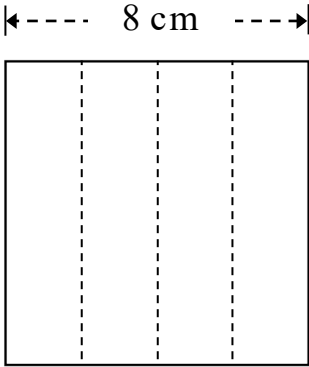


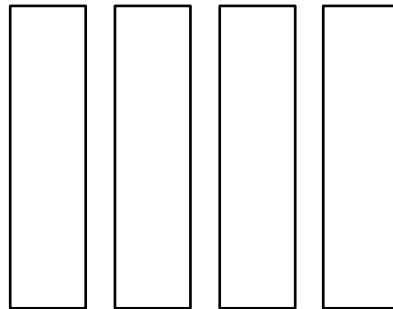
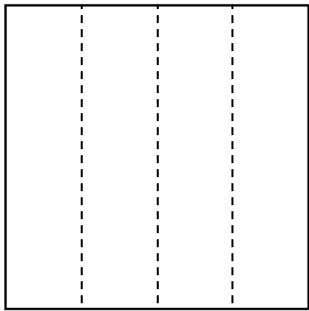
20. Fill in the following blanks with suitable units.

(a) A mobile phone is about
155 _____ long.



(b) A toothbrush weighs about 25 _____ .

21.  8 cm



The square above is cut into four equal rectangles.

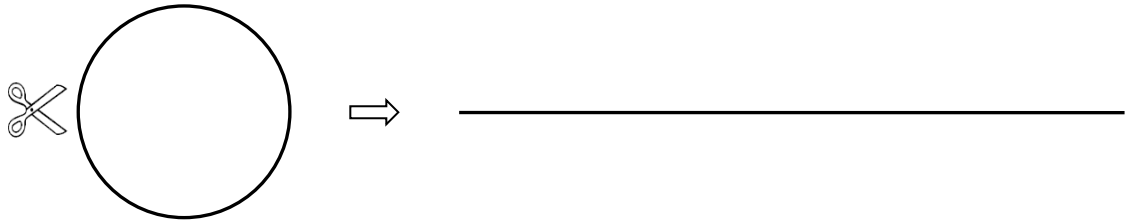
(a) The perimeter of the square is _____ cm.

(b) The perimeter of each rectangle is
_____ cm.

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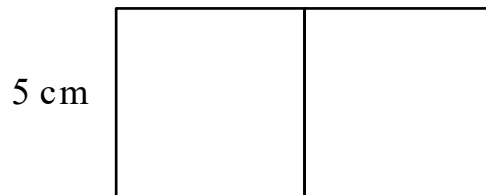
22.



An iron wire is made by cutting an iron coil of diameter 14 cm (as shown in the diagram above). The length of the iron wire is _____ cm.

(Take π as $\frac{22}{7}$)

23.

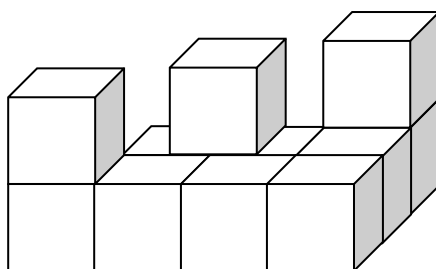



The rectangle above is made up of two squares of side 5 cm. The area of the rectangle is _____ cm^2 .

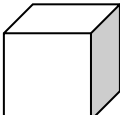
24. The average cycling speed of an athlete is about

- ☐ A. 300 s/m.
- ☐ B. 300 m/s.
- ☐ C. 30 h/km.
- ☐ D. 30 km/h.

25.

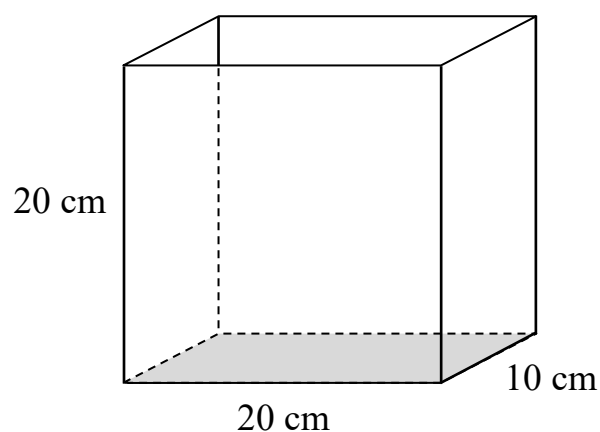


The solid above is made up of  .

The volume of each  is 1 cm^3 .

The volume of the solid is _____ .
(Give the answer with a unit)

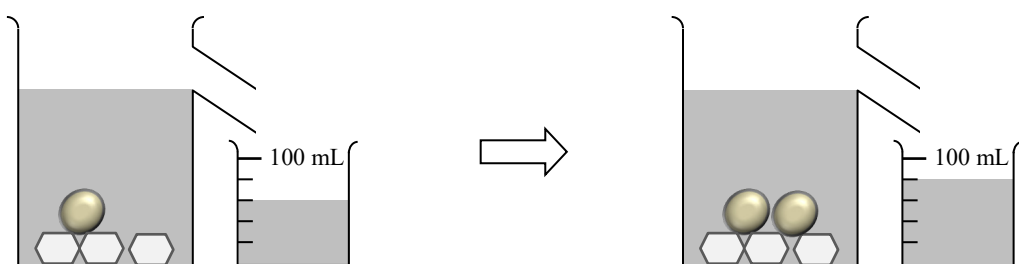
26.



What is the capacity of the rectangular container above?

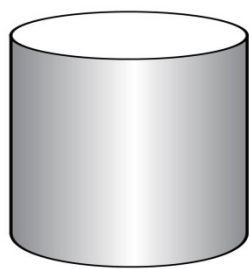
- ☐ A. 200 mL
- ☐ B. 4 L
- ☐ C. 40 L
- ☐ D. 4 000 L

27.



The volume of each  is _____ cm^3 .

28.

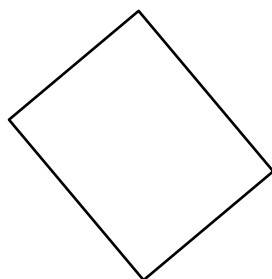


The figure above is a * cylinder / cone / sphere .

(*Circle the answer)

It has _____ faces.

29.



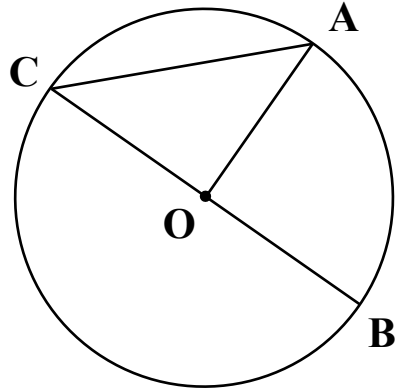
The figure above is a * rhombus / rectangle / square .

(*Circle the answer)

It has _____ pair(s) of opposite sides equal and

_____ right angle(s).

30. In the figure below, **O** is the centre of the circle. **A**, **B** and **C** are points on the circumference.



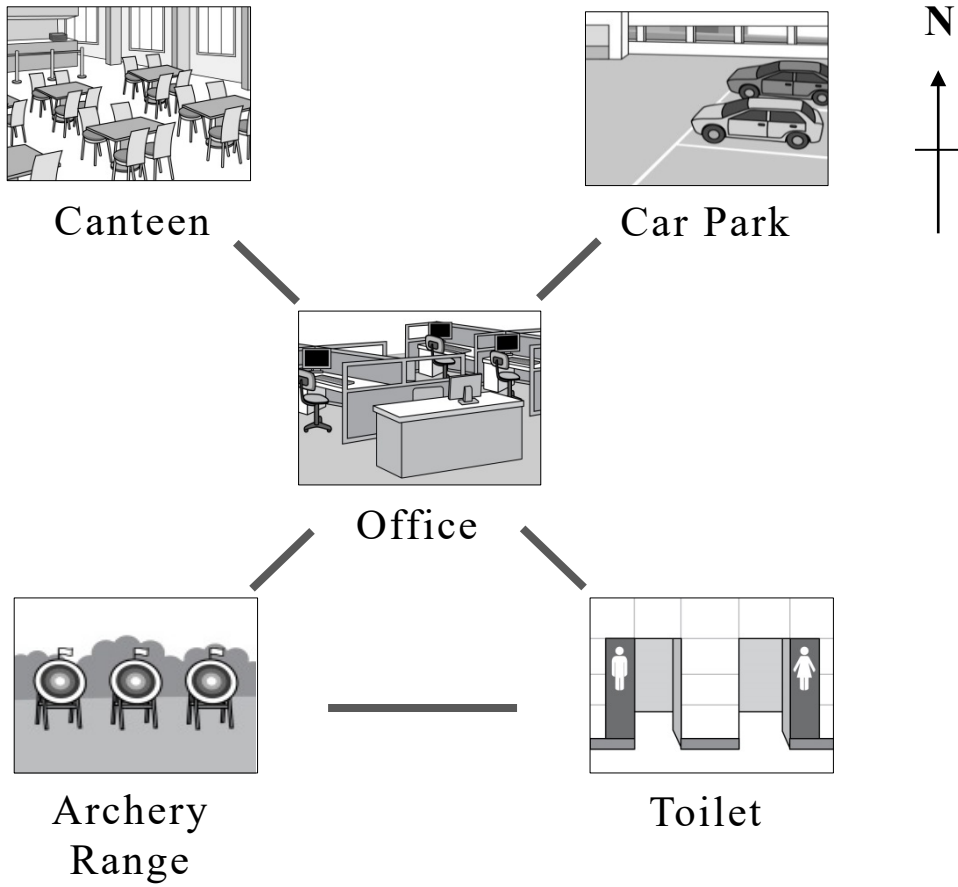
- (a) The line * **AC** / **BC** / **OB** is a radius of the circle.

(*Circle the answer)

- (b) The diameter of the circle is 8 cm.

AO is _____ cm long.

31. The map of an archery training school is shown below.



- (a) Starting from Office, Mr Ng goes north-east to reach _____ .
- (b) Maggie goes to Toilet from Canteen. She should walk towards _____ .
(direction)
- (c) Archery Range is to the _____ of Toilet.
(direction)

32. The total mark of Grace's Chinese and English examinations was 184. She got 95 marks in the Mathematics examination. The average mark of these three examinations was _____ .

33. Which of the following is an equation?

☐ A. $6k = 18$

☐ B. $\frac{12}{3} = 4$

☐ C. $k - 5$

☐ D. $2 + 7 = 9$

34. $10 = k - 4$

$k =$

Please do not write in the margin.

35. A number times 7 and then minus 6. The result is 8. Find the number by *the method of solving an equation*.


(Show your working)

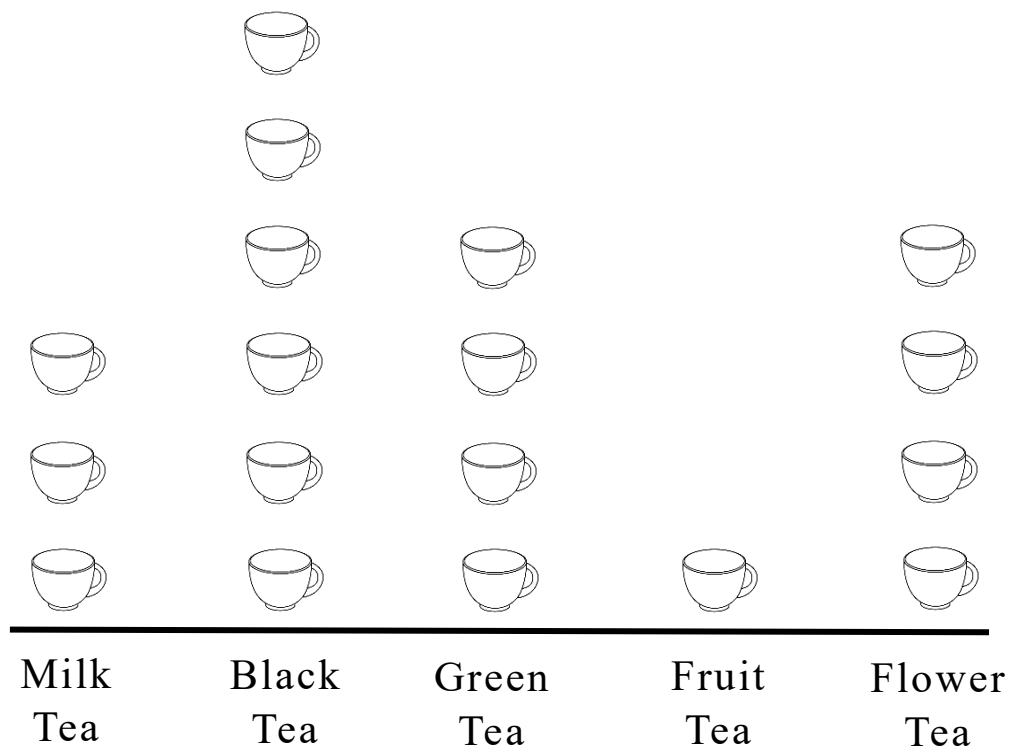
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36. The following pictogram shows the sales of different kinds of drinks at the Peaceful Teahouse last week.

**Sales of Different Kinds of Drinks
at the Peaceful Teahouse Last Week**

Each  stands for 100 cups



- (a) A total of _____ cups of drinks were sold last week.
- (b) The sales of Milk Tea were _____ % of that of Black Tea.

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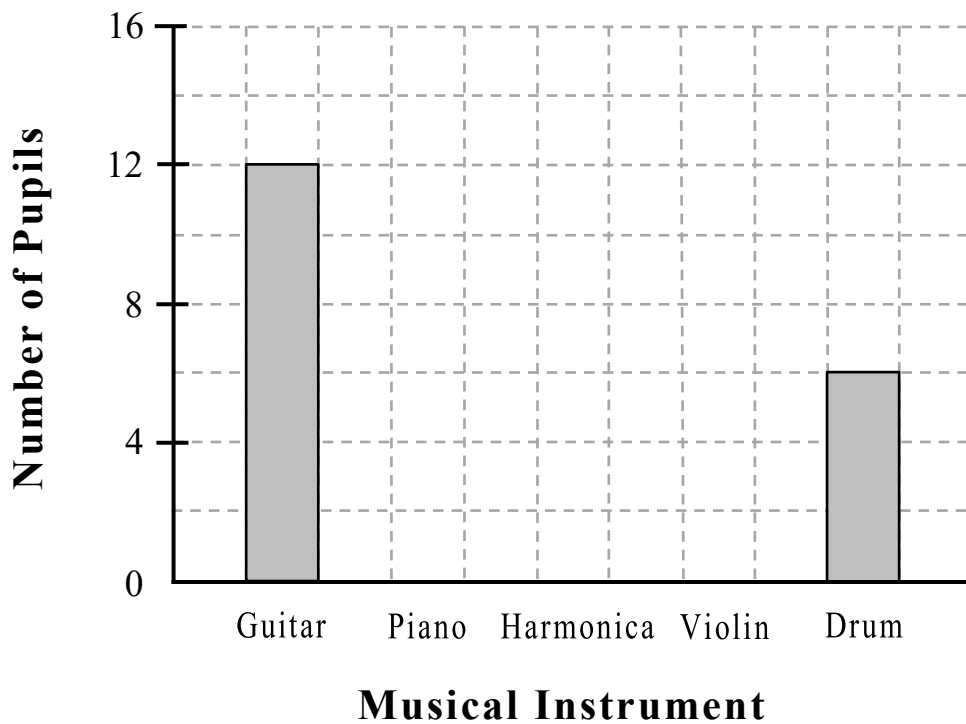
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37. The table below shows the favourite musical instruments of Class 6B pupils.

Musical instrument	Guitar	Piano	Harmonica	Violin	Drum
Number of pupils	12	6	4	2	6

According to the information above, use a pencil to complete the following bar chart and give it a title.

(Title)



— END OF PAPER —

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