* 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 2021
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					Class 班別			Class No. 班號		
	P					6				

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 ‘3’ in its ten thousands place?

   ○ A. 72 380
   ○ B. 36 509
   ○ C. 10 473
   ○ D. 3 918

2. List all the factors of 35.

   Answer: _____

3. Which of the following numbers is a common multiple of 9 and 12?

   ○ A. 3
   ○ B. 54
   ○ C. 72
   ○ D. 120

4. Which of the following numbers is the Highest Common Factor (H.C.F.) of 36 and 54?

   ○ A. 1
   ○ B. 9
   ○ C. 18
   ○ D. 108

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5. Which of the following fractions are equal to 1?
(Circle all the answers)

$\frac{1}{1}$ $\frac{6}{5}$ $\frac{1}{10}$ $\frac{22}{22}$ $1\frac{8}{8}$

6. (a) Change $\frac{57}{10}$ into a mixed number.

Answer: ☐

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

$$\frac{24}{84} = \frac{6}{\square}$$

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7. In the number 12.043, what is the digit in the tenths place?

   ○ A. ‘4’
   ○ B. ‘3’
   ○ C. ‘1’
   ○ D. ‘0’

8. Change 3.4 into a fraction and reduce it to the simplest form.

   Answer: ☐

9. $500 - 428 \div 4 =$

   ○ A. 18
   ○ B. 107
   ○ C. 393
   ○ D. 483

10. $3\frac{1}{4} - 1\frac{5}{6} =$ ☐

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11. $3\frac{5}{9} \div 2\frac{2}{3} =$ ☐

12. $2.48 + 3.9 - 1.75 =$ _____

13. $0.85 \div 0.3 =$ _____
(Round the answer to two decimal places)

14. There were 24 biscuits on a plate. Maggie ate $\frac{3}{8}$ of them. Joe ate $\frac{1}{6}$ of them. Altogether they ate _____ biscuits.

15. Tom mixed 80mL of mango juice with 120 mL of apple juice. _____ % of the mixture is mango juice.

16. Each piece of cake costs 10.8 dollars. Mr Chan pays with a 100-dollar note for 4 pieces of cake. How much change does he get?

(Show your working)

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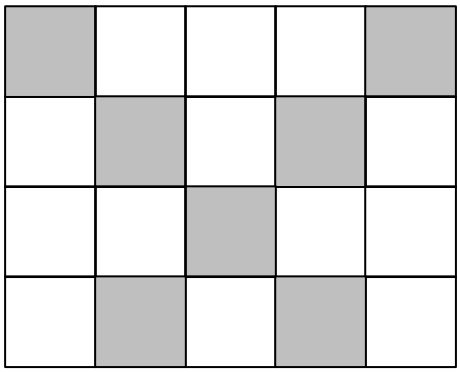
17. What percentage of the whole figure below is shaded?



Answer: _____ % of the whole figure is shaded.

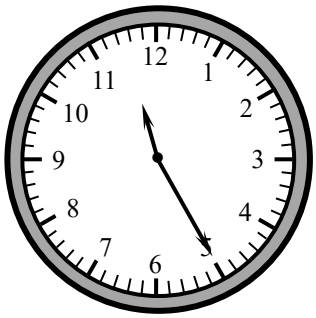
18. (a) Change 160% into a fraction and reduce it to the simplest form.

Answer:

(b) Change 0.1 into a percentage.

Answer: _____ %

19. Kenny visited the museum on Sunday.



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

The time was _____ : _____ a.m.

(b) Below is the schedule of the museum guided tours.

	First session	Second session	Third session
Starting time	10:15	11:30	14:15

Kenny arrived at the museum _____ minute(s)

* earlier / later than the starting time of the guided tour in the second session.

(*Circle the answer)

(c) Kenny joined the guided tour in the third session. In '12-hour time', its starting time was

_____ : _____ * a.m. / p.m.

(*Circle the answer)

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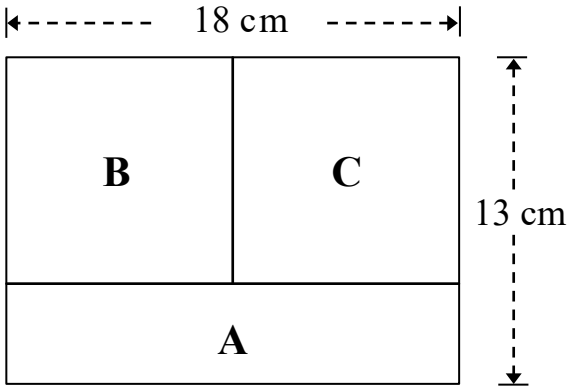
20. Fill in the following blanks with suitable units.

(a) The total length of the Tsing Ma Bridge is about 2.16 _____ .

(b) A bowl of rice weighs about 200 _____ .

21.



The figure above is made up of rectangle **A**, squares **B** and **C**.

(a) The perimeter of square **B** is _____ cm.

(b) The perimeter of rectangle **A** is _____ cm.

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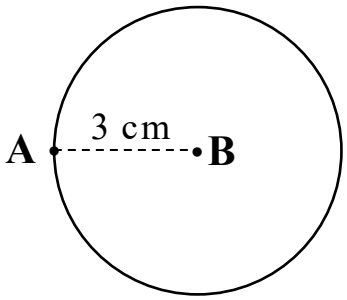
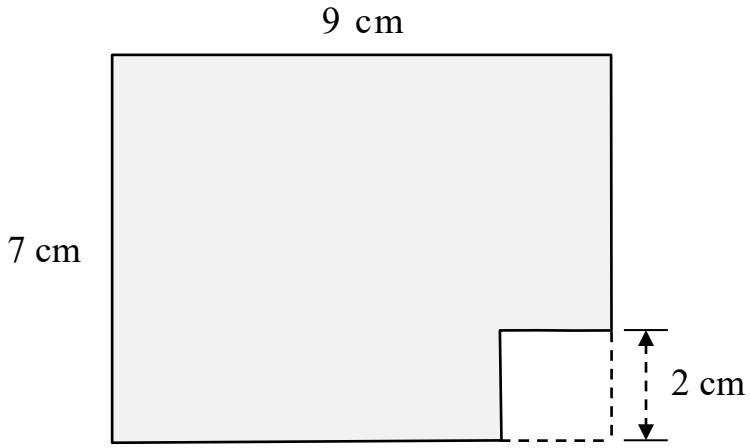
22.



In the figure above, Point **B** is the centre of the circle. **AB** is 3 cm long. The circumference is _____ cm. (Take π as 3.14)

23.



Cut a square with sides of 2 cm from a piece of rectangular cardboard. The area of the remaining part is _____ cm^2.

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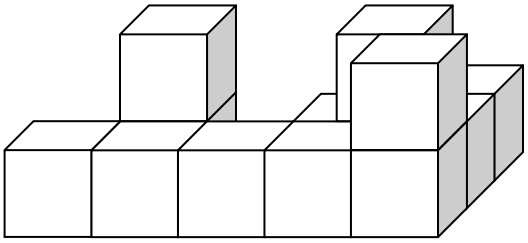
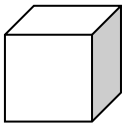
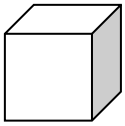
24. The average speed of a bus is about

- ○ A. 60 km/h.
- ○ B. 60 h/km.
- ○ C. 60 m/s.
- ○ D. 60 s/m.

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)

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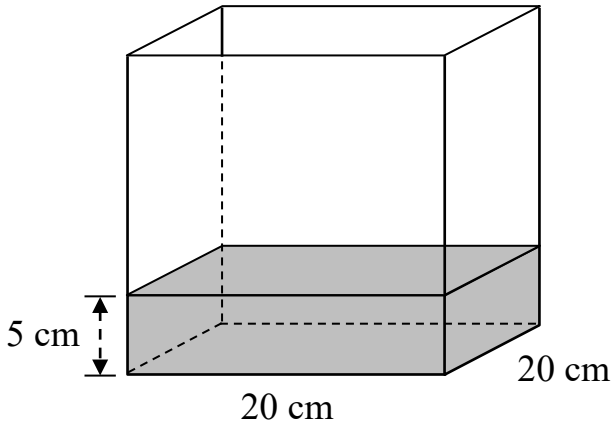
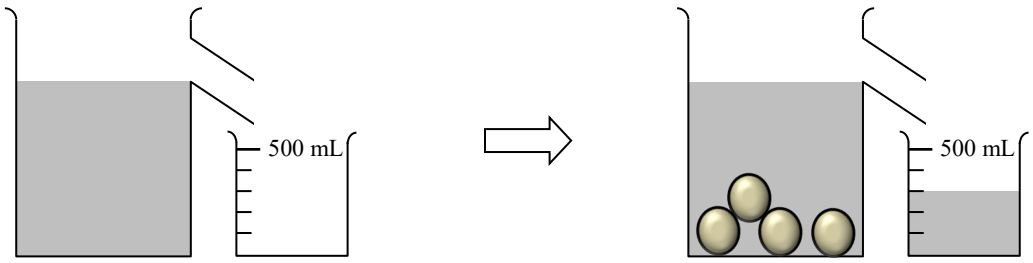
26.



How many litres of water does the cubic container above hold?

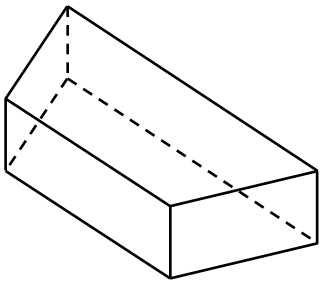
- ○ A. 2 litres
- ○ B. 8 litres
- ○ C. 20 litres
- ○ D. 2 000 litres

27.



The volume of one is _____ cm^3.

28.

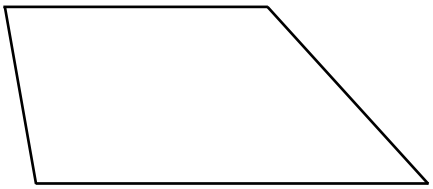


The figure above is a * pyramid / prism .

(*Circle the answer)

It has _____ faces.

29.



The figure above is a

* parallelogram / rhombus / trapezium .

(*Circle the answer)

It has _____ pair(s) of opposite sides parallel.

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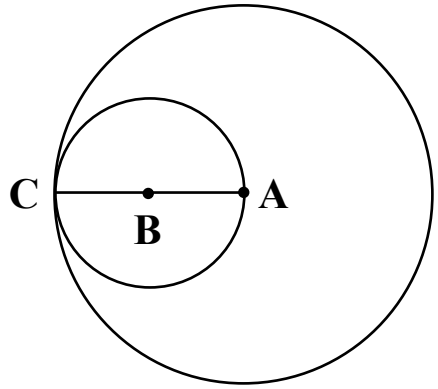
30. A teacher draws two circles. Point **A** is the centre of the big circle. Point **B** is the centre of the small circle.



(a) The line **AB** is the

* radius / diameter / circumference

of the small circle.

(*Circle the answer)

(b) The diameter of the big circle is _____ time(s) the length of **AC**.

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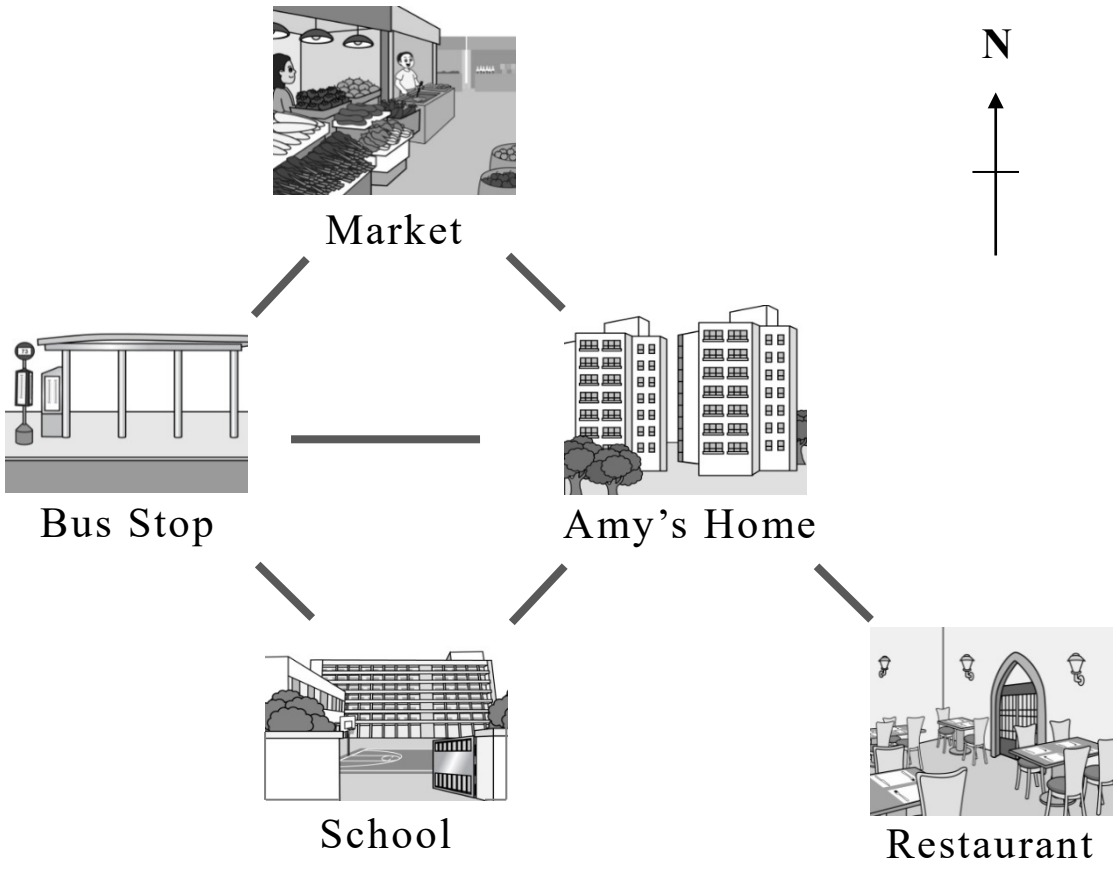
31. The map below shows the facilities near Amy's home.



(a) Amy goes home from Bus Stop. She should walk towards _____ .
(direction)

(b) Starting from home, Amy goes south-west to reach _____ .

(c) Market is to the _____ of Amy's home.
(direction)

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32. At first there were 7 members in a basketball team. Their total weight was 453 kg. After a new member weighing 67 kg joined the team, the average weight of the members is _____ kg.

33. Which of the following is an equation?

○ A. $5x + 3$

○ B. $5 + 3 = 8$

○ C. $\frac{5x}{8}$

○ D. $5x + 3 = 8$

34. $4 + 7y = 25$

$y =$ ☐

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35. A number minus 15 is divided by 8. The result is 2. Find the number by ***the method of solving an equation.***

(Show your working)

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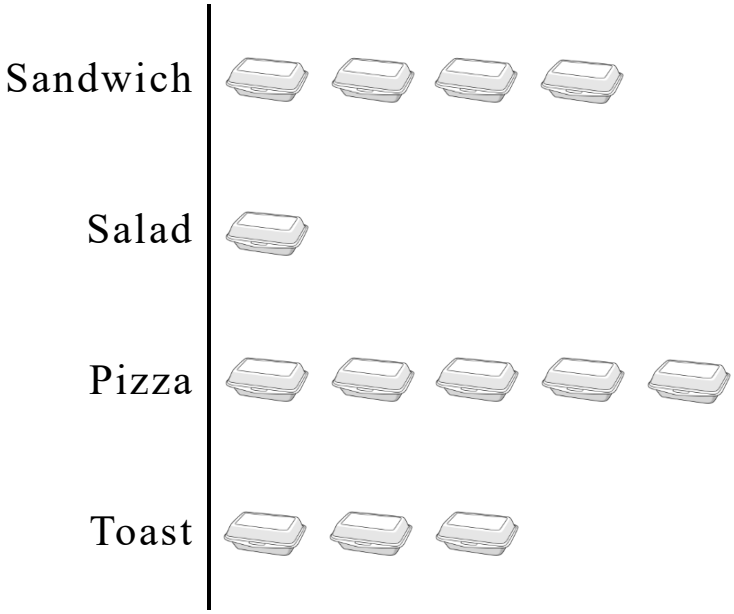
36. The following pictogram shows the sales of different kinds of food at Sunny House yesterday.

Sales of Different Kinds of Food at Sunny House Yesterday

Each stands for 10 sets



(a) A total of _____ toast sets were sold yesterday.

(b) The sales of salad were _____ % of the sales of pizza.

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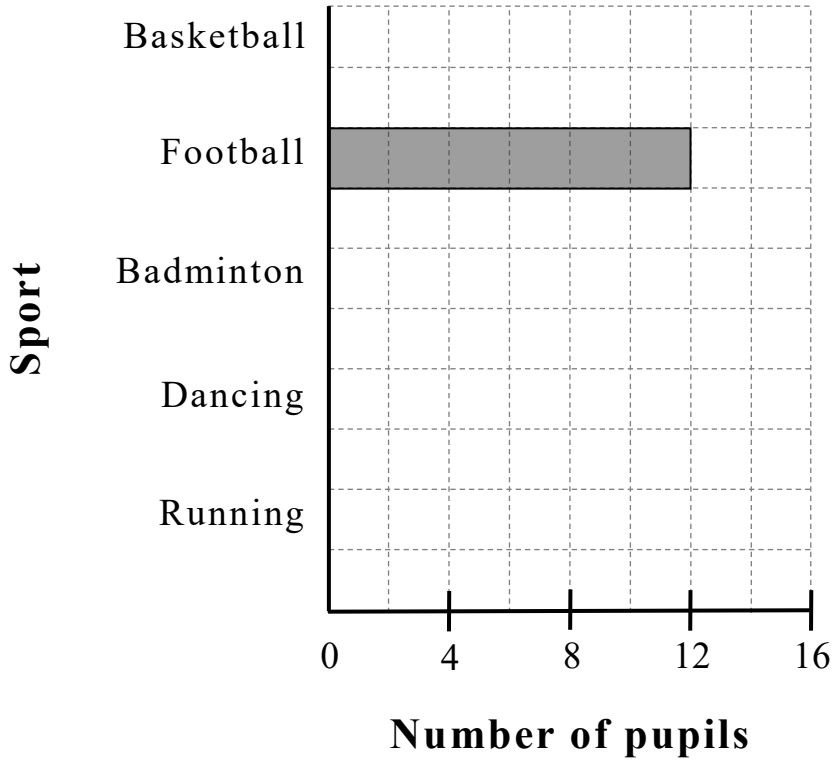
37. The table below shows the favourite sports of Class 6C pupils.

Sport	Basketball	Football	Badminton	Dancing	Running
Number of pupils	8	12	6	2	4

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

(Title)



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