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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

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. Which of the following numbers has the digit '3' in its ten thousands place?

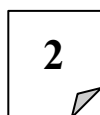
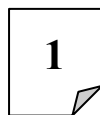
☐ A. 72 380
☐ B. 36 509
☐ C. 10 473
☐ D. 3 918

2. Which of the following numbers is a multiple of 14?

☐ A. 7
☐ B. 48
☐ C. 56
☐ D. 80

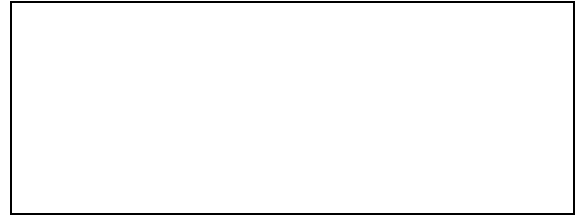
3. Which of the following numbers are common factors of 5 and 20?

(Circle all the answers)



4. The Least Common Multiple (L.C.M.) of 18 and 30 is _____ .

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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.

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

7. Change $\frac{1}{6}$ into a decimal correct to two decimal places.

Answer: _____

Please do not write in the margin.

8. Which of the following numbers has the digit '2' in its thousandths place?

☐ A. 2 310

☐ B. 3.021

☐ C. 1.302

☐ D. 0.213

9. $525 \div (33 - 18) =$ _____

10. $4 - \frac{5}{6} + 2\frac{1}{6} =$

11. $\frac{3}{8} \times 2\frac{2}{7} \div 4 =$

12. $9 \div (0.42 + 1.38) =$ _____

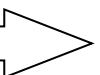
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13. There were 45 cans of soft drink in the vending machine originally. After selling $\frac{3}{5}$ of them, how many cans of soft drink were left?
(Show your working)

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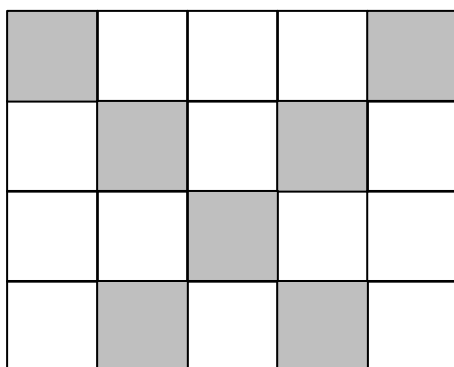


14. Each folder costs $6\frac{2}{5}$ dollars. Miss Hung has 160 dollars.

She can buy _____ folders at most.

15. A hiking trail is 5.4 km long. Ken made a *round* trip in 3 hours. On average, he walked _____ km in an hour.

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



Answer: _____ % of the whole figure is shaded.

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17. There were a total of 2 050 tickets for a concert. 88% of them were sold. Which of the following expressions is most suitable for estimating the number of tickets sold?

- ☐ A. $2\,000 \times 80\%$
☐ B. $2\,000 \times 90\%$
☐ C. $3\,000 \times 80\%$
☐ D. $3\,000 \times 90\%$

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

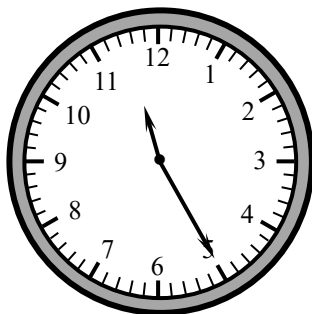
Answer:

- (b) Change 0.1 into a percentage.

Answer: _____ %

Please do not write in the margin.

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.

Hong Kong One Day Tour

Tour fee*: \$260 per person

*Join before 31st July to enjoy a 10% discount

Mr Lam joins the ‘Hong Kong One Day Tour’ on
28th July. He should pay _____ dollars for the
tour fee.

21. Fill in the following blanks with suitable units.

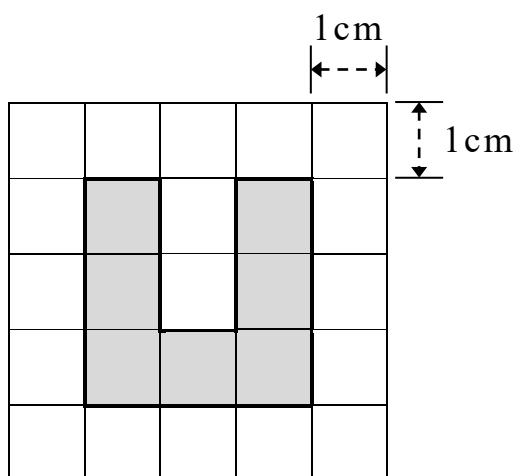
(a) The height of a desk is about 75 _____ .

(b) The capacity of a rubbish bin is about
20 _____ .

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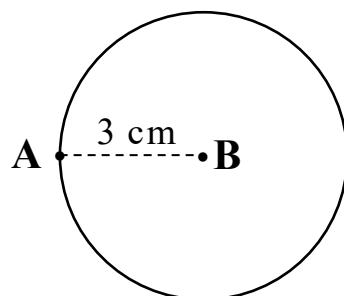


22. In the following diagram, the side of each square is 1 cm.



The perimeter of the shaded part is _____ cm.

- 23.

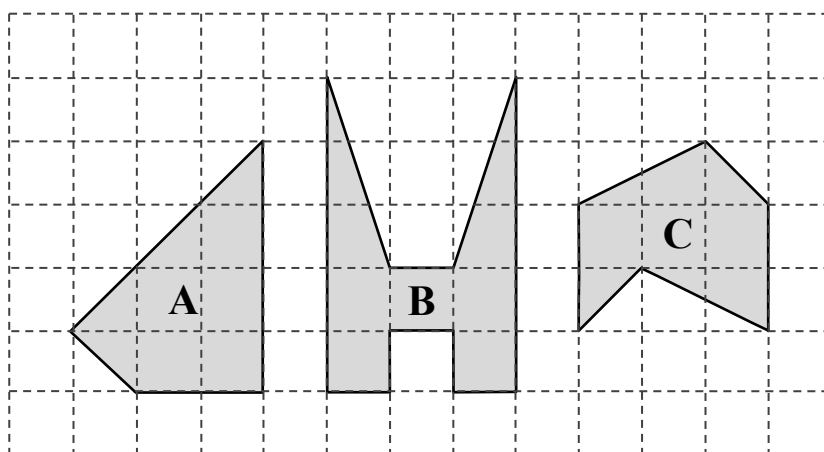


In the figure above, Point **B** is the centre of the circle.

AB is 3 cm long. The circumference is _____ cm.

(Take π as 3.14)

24.



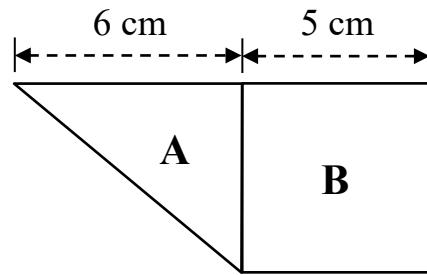
Compare the areas of the 2-D shapes **A**, **B** and **C** above. Arrange them from the largest to the smallest. Write all the letters for the answers.

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

Please do not write in the margin.

Please do not write in the margin.

25.



The trapezium above is made up of triangle **A** and square **B**.

(a) **A** is

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

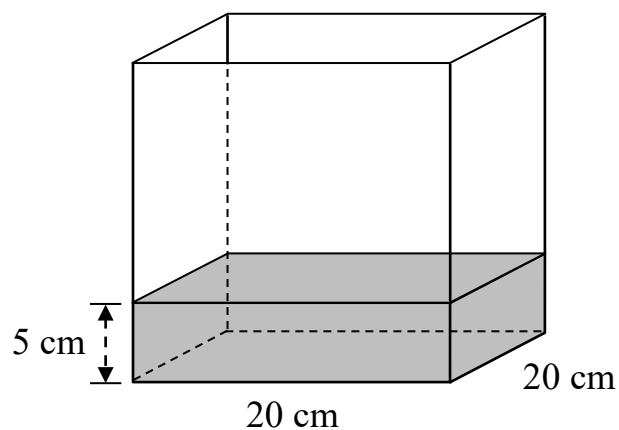
(*Circle the answer)

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

26. The average speed of a bus is about

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

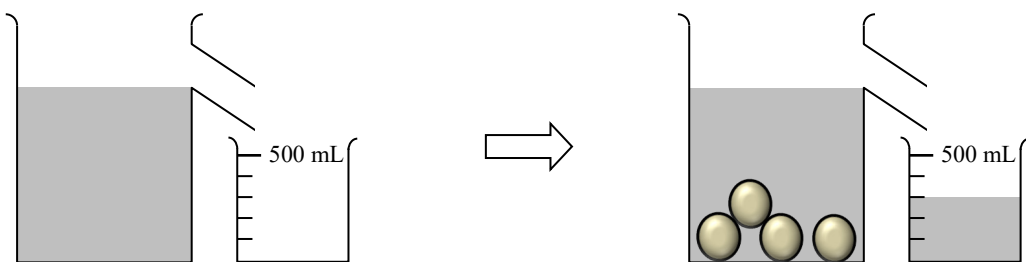
27.



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

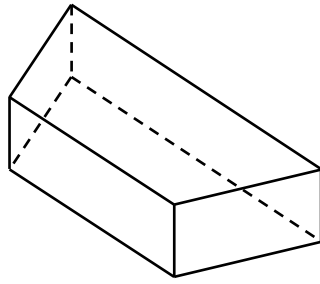
- ☐ A. 2 litres
- ☐ B. 8 litres
- ☐ C. 20 litres
- ☐ D. 2 000 litres

28.



The volume of one  is _____ cm^3 .

29.

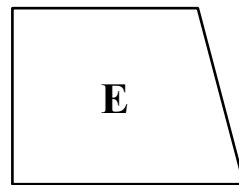
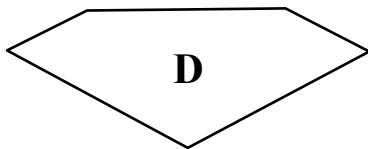
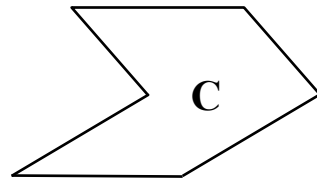
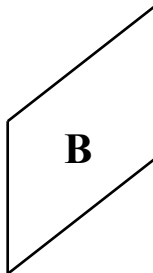
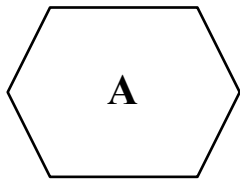


The figure above is a * pyramid / prism .

(*Circle the answer)

It has _____ faces.

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



(a) Parallelogram: _____

(b) Hexagon: _____

31. Which of the following 2-D shapes has opposite sides parallel and four sides equal?

- ☐ A. Rectangle
- ☐ B. Hexagon
- ☐ C. Trapezium
- ☐ D. Rhombus

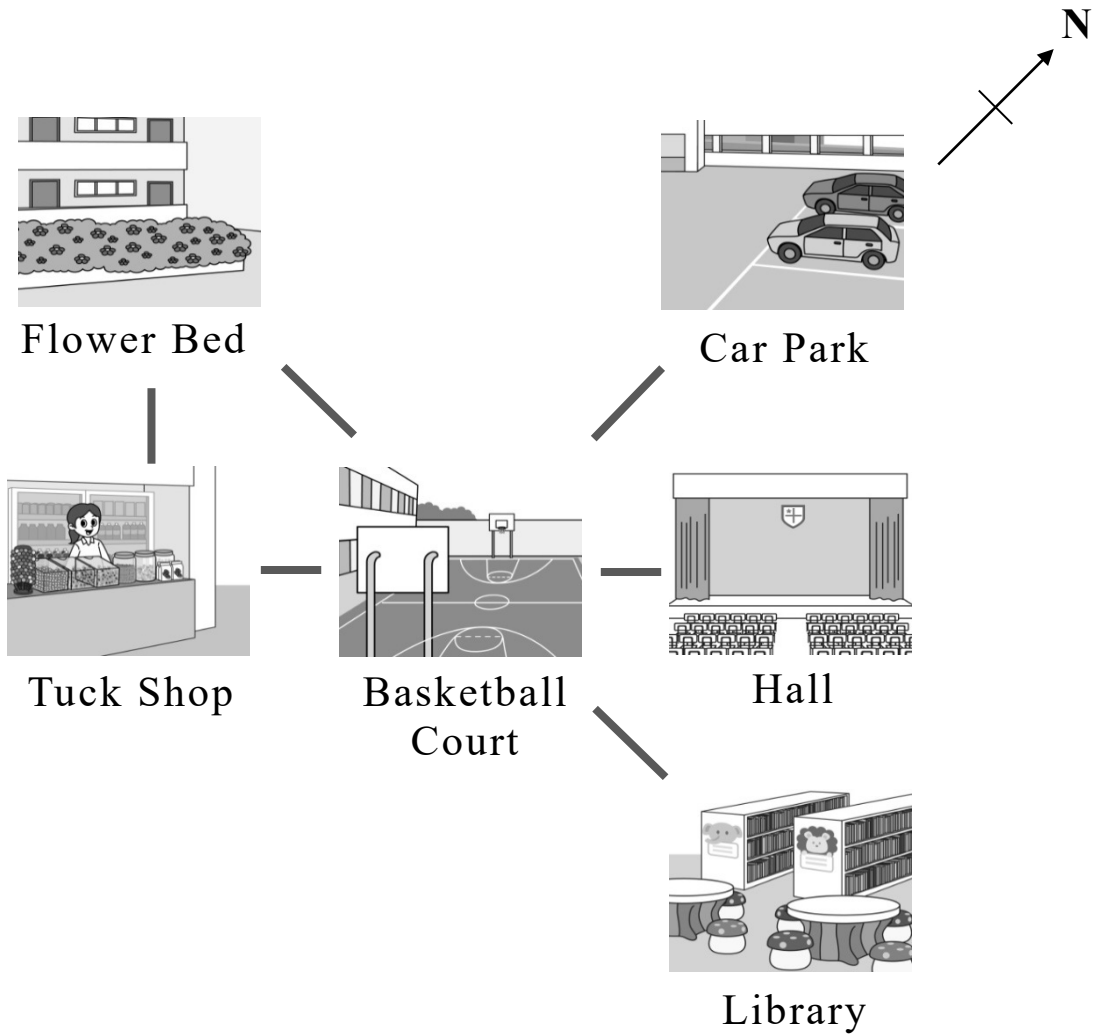
32. Which of the following is an equation?

- ☐ A. $(4 + k) \times 9$
- ☐ B. $\frac{G}{3} - 1 = 2$
- ☐ C. $6W$
- ☐ D. $4 + 3 = 7$

33. $4A - 1.2 = 2.8$

$A =$

34. The map below shows the facilities of a school.



- (a) Starting from Car Park, Mr Lam goes

_____ to reach Basketball Court. Then
(direction)

he turns _____ to reach Hall.
(direction)

- (b) To the west of Basketball Court is _____ .

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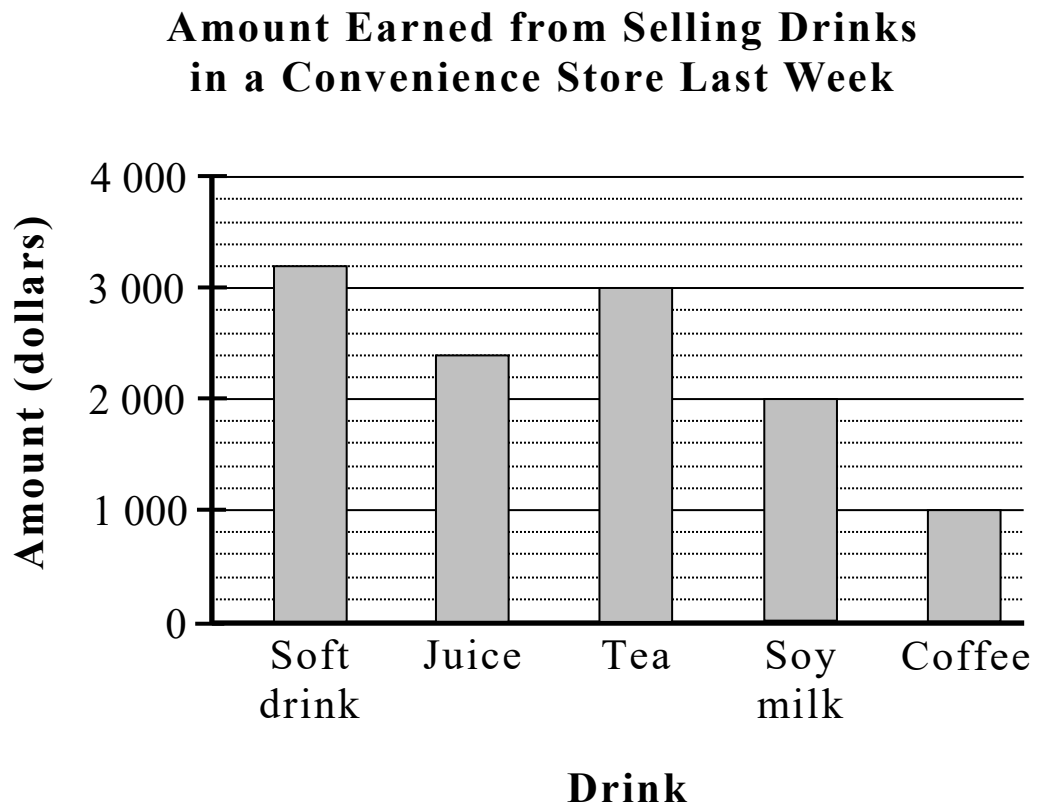
35. A number minus 15 is divided by 8. The result is 2. Find the number by *the method of solving an equation*.

(Show your working)

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Please do not write in the margin.

36. The following bar chart shows the amount earned from selling drinks in a convenience store last week.



Please do not write in the margin.

- (a) The amount earned from selling _____
was the most. The amount was _____ dollars.
- (b) The total amount that the convenience store
earned from selling drinks last week was
_____ dollars.

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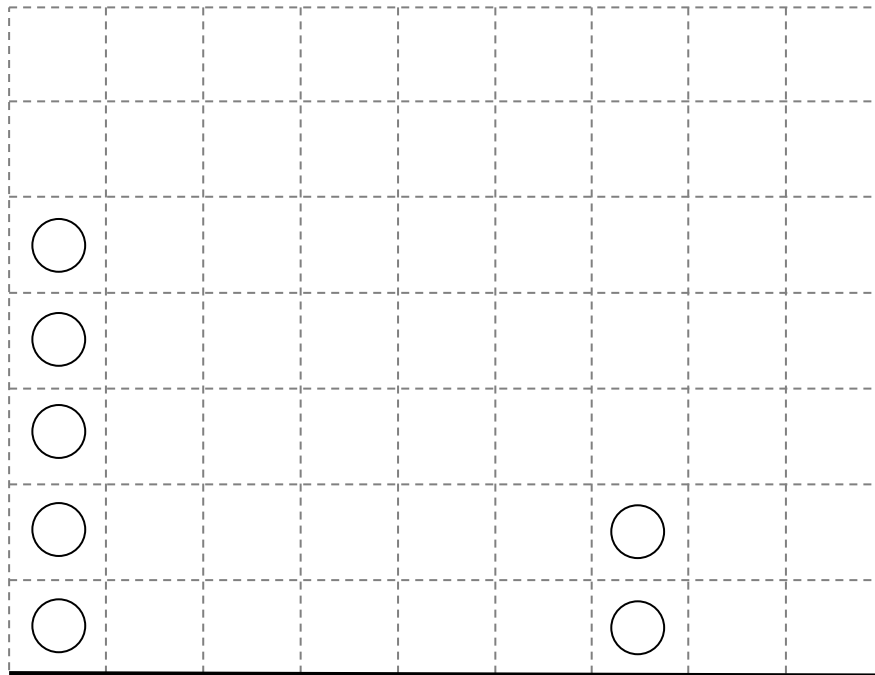
37. Mr Chan did a survey on the number of pupils who have played the Booth Games. The results are as follows:

Game	Maze	Riddle	Take a shoot	Puzzle	Balloon darts
Number of pupils	500	100	300	200	400

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

(Title)

Each ○ stands for 100 pupils



Riddle

Take a
shoot

Balloon
darts

— END OF PAPER —

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