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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2013
Primary 3
Mathematics

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 40 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

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Class
班別

3	
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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. In which of the following numbers is the digit '1' in the tens place?

- ☐ A. 19 456
☐ B. 45 619
☐ C. 54 691
☐ D. 91 456

2. The following table shows the numbers of primary teachers over the past three years.

Year	2010	2011	2012
Number of primary teachers	22902	21905	21880

Arrange the numbers of primary teachers from the smallest to the largest.

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

3. Write the number '46 035' in words.

Answer: _____

4. $73 + 803 =$ _____

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5. $233 - 158 =$ _____

6. $529 - (289 - 137) =$

☐ A. 103

☐ B. 203

☐ C. 377

☐ D. 477

7. $7 \times 161 =$ _____

8. $612 \div 3 =$ _____

9. $151 \div 5 =$

☐ A. 31

☐ B. 3...1

☐ C. 30

☐ D. 30...1

Please do not write in the margin.

10. $455 - 55 \times 3 =$

- ☐ A. 165
☐ B. 290
☐ C. 390
☐ D. 1200

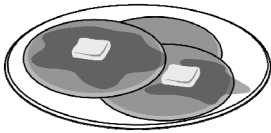
11.



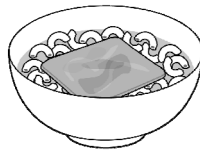
The weight of one piece of cake is 136 g. What is the weight of 4 pieces of cake?

Answer: The weight of 4 pieces of cake is _____ g.

12.



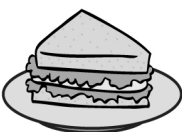
26 dollars 40 cents



31 dollars 80 cents



24 dollars 60 cents

Mother buys 3  . She pays

_____ dollars and _____ cents altogether.

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13. The following table shows the number of pupils in Primary 1 to Primary 3.

Level	P.1	P.2	P.3
Number of pupils	132	114	109

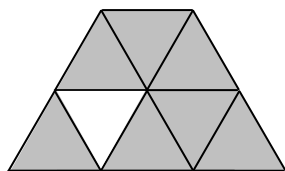
There are 267 teachers and pupils visiting the Hong Kong Park. All P.1 and P.2 pupils join the visit and the rest are teachers. How many teachers join the visit?
(Show your working)

14. In the school fundraising event, Class 3A has collected 652 dollars.
- (a) Class 3B collected 140 dollars more than Class 3A.
Class 3B collected _____ dollars.
- (b) Class 3C collected 709 dollars.
That is _____ dollars less than Class 3B collected.

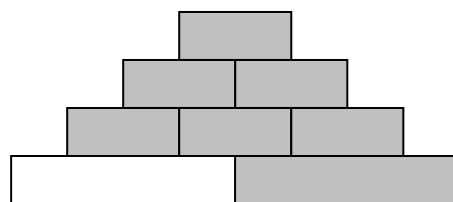
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15. Mandy has a bottle of apple juice. After drinking half the bottle, 250 mL of apple juice is left over. How many millilitres of apple juice is there in the bottle originally? (Show your working)

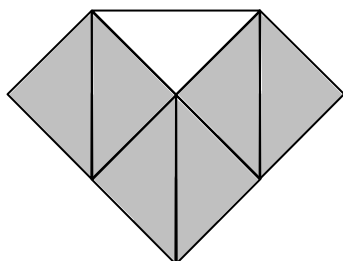
16. Which of the following has $\frac{7}{8}$ of the whole figure shaded?



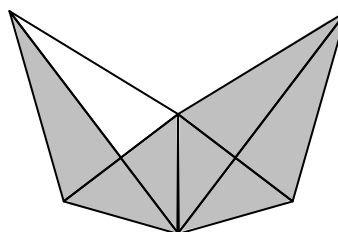
☐ A.



☐ B.

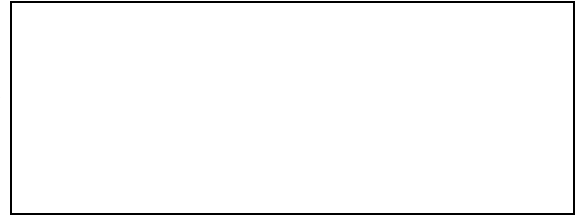


☐ C.

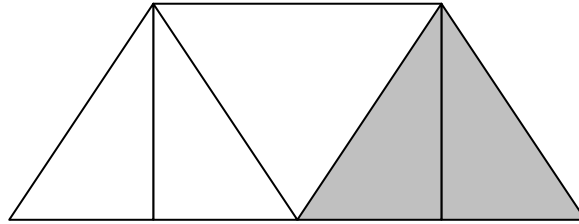


☐ D.

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17. In the following figure, what fraction of the whole is shaded?



Answer: of the whole is shaded.

18. Which of the following is correct?

- ☐ A. $\frac{1}{2}$ is smaller than $\frac{1}{5}$
- ☐ B. $\frac{2}{9}$ is larger than $\frac{2}{7}$
- ☐ C. $\frac{1}{3}$ is larger than $\frac{1}{5}$
- ☐ D. $\frac{5}{6}$ is smaller than $\frac{5}{8}$

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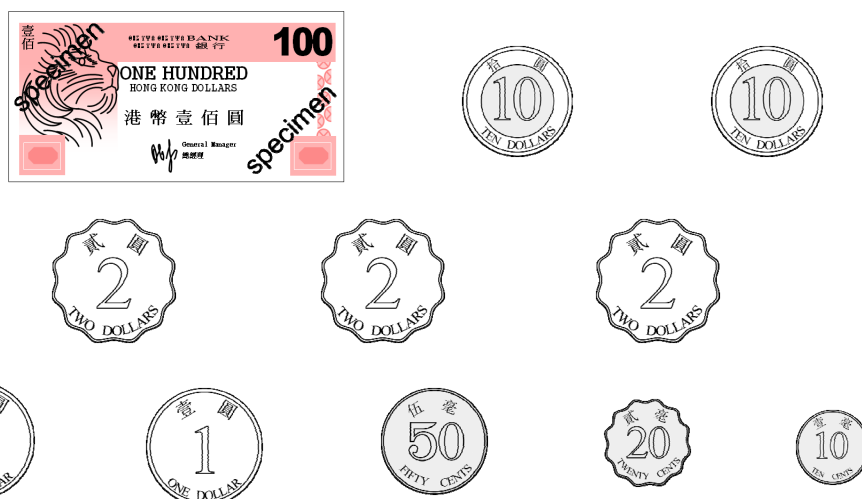
Please do not write in the margin.

19. Mother has a bottle of apple juice. Billy drinks $\frac{3}{10}$ of the whole, Cindy drinks $\frac{3}{14}$ of the whole and Mandy drinks $\frac{1}{14}$ of the whole.

Who drinks most of the apple juice?

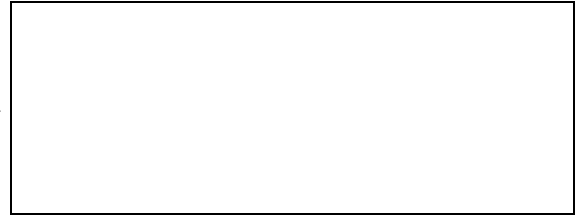
Answer: * Billy / Cindy / Mandy drinks most of the apple juice. (* Circle the answer)

20. Nancy pays the following amount for exercise books.



- (a) There are _____ 2-dollar coins in the above diagram.
- (b) Nancy pays _____ dollar(s) and _____ cent(s) for the exercise books.

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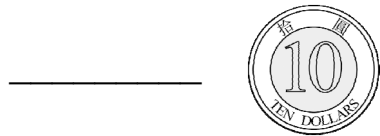


Please do not write in the margin.

21. (a) 3



can be exchanged for



(b) 2



can be exchanged for



(c) 10



can be exchanged for _____



22. Fill in the following blanks with suitable units.

(a) The length of a highway is about 15 _____ .

(b) The weight of a primary school pupil is about 35 _____ .

(c) The thickness of a 10-dollar coin is about 3 _____ .

Please do not write in the margin.

23. Answer the following questions according to the September calendar below.

September						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

- (a) Mary's school term starts on the first Monday of September.

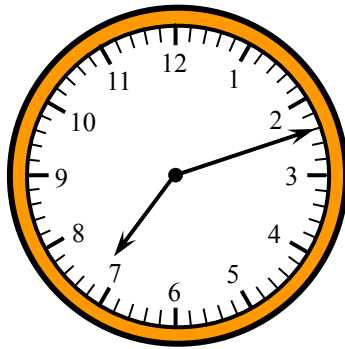
That day is the _____ of _____ .
(month)

- (b) From the 10th of September, there is an assembly every Monday.

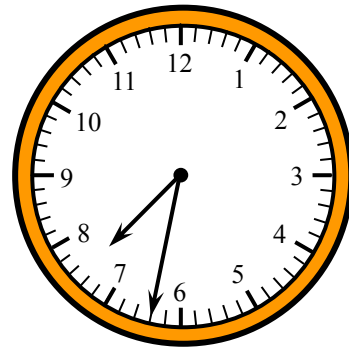
In September, there are _____ days with an assembly.

- (c) The 30th of August is _____ .
(day of the week)

24. The following two clock faces show the times at which Tommy leaves home and arrives at school respectively.



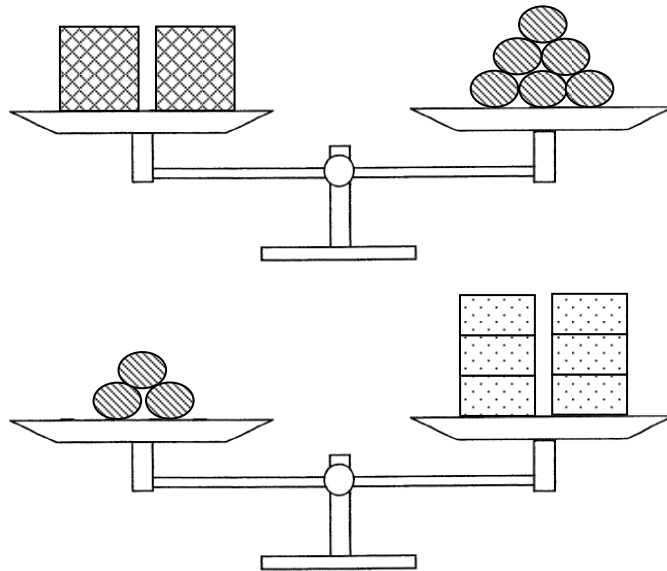
leaves home











arrives at school

- (a) Tommy leaves home at _____ minutes
* past / to _____ in the morning.
(* Circle the answer)
- (b) In 24-hour time, Tommy arrives at school
at _____ : _____ .
- (c) The first lesson begins at eight o'clock in the
morning.
Tommy arrives at school _____ minutes
before the first lesson begins.

25.



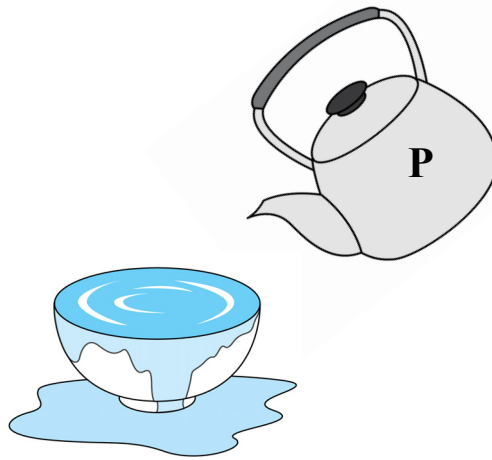
Study the diagram above. Which of the following is correct?

- ☐ A.  is lighter than .
- ☐ B.  is heavier than .
- ☐ C.  and  weigh the same.
- ☐ D. The weights of  and  cannot be compared.

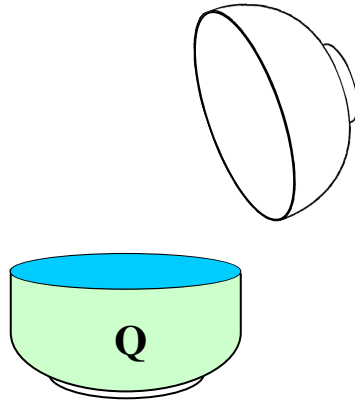
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Please do not write in the margin.

26. Fill up the container **P** with water and then pour all the water into an empty bowl.



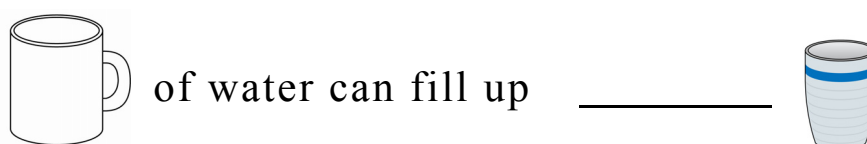
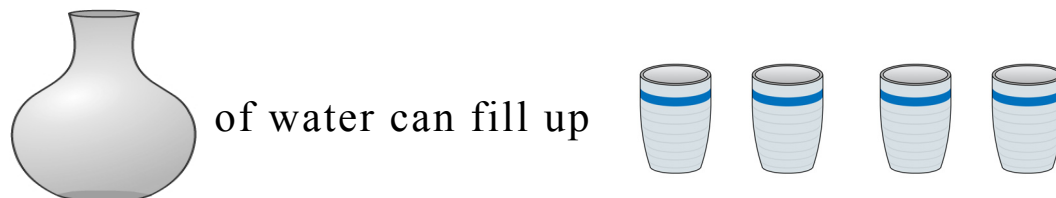
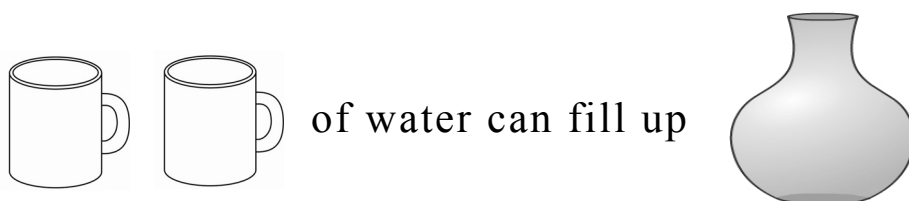
Pour all the water from the bowl into an empty container **Q**. Container **Q** is just filled up with water.



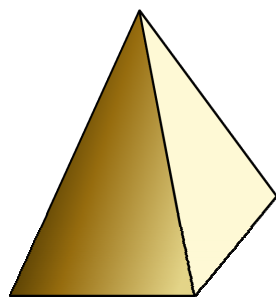
According to the information above, which of the following is correct?

- ☐ A. The capacity of **P** is larger than the capacity of **Q**.
- ☐ B. The capacity of **P** is equal to the capacity of **Q**.
- ☐ C. The capacity of **P** is smaller than the capacity of **Q**.
- ☐ D. The capacities of **P** and **Q** cannot be compared.

27.



28.



The 3-D shape above is a

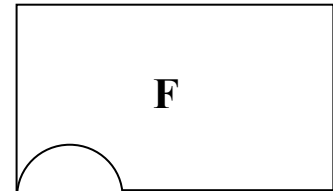
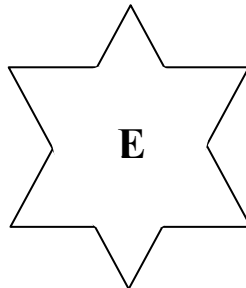
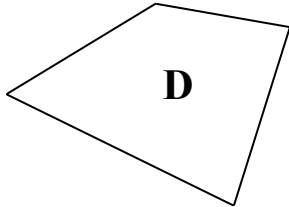
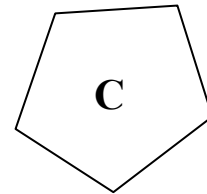
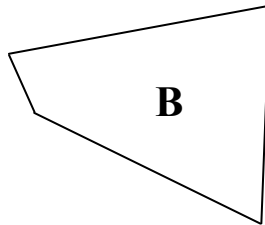
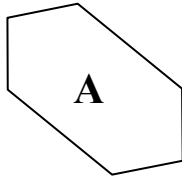
- ☐ A. prism.
- ☐ B. cylinder.
- ☐ C. pyramid.
- ☐ D. cone.

29. Name the 3-D shape below.



Answer: _____

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

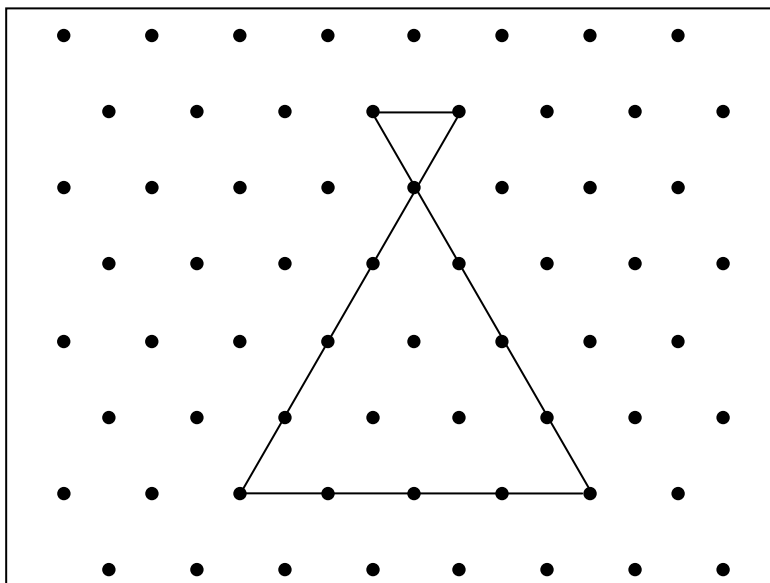


List:

(a) Hexagon(s): _____

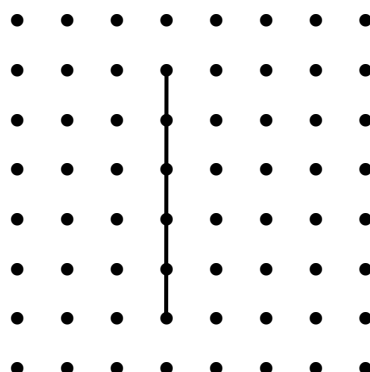
(b) Quadrilateral(s): _____

31.

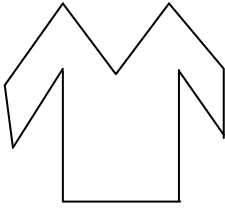


Mandy uses a rubber band to make two
 * equilateral / right-angled / isosceles triangles
 on the pin-board.
 (* Circle the answer)

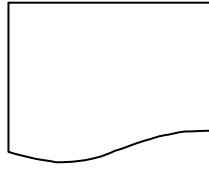
32. Draw a straight line perpendicular to the line given in the figure below.



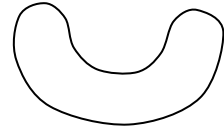
33. Study the 2-D shapes below. Write down all the letters for the answers.



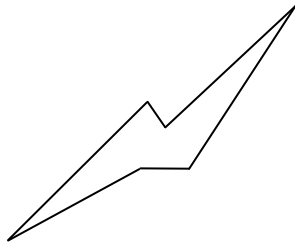
A



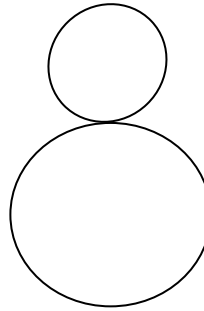
B



C



D



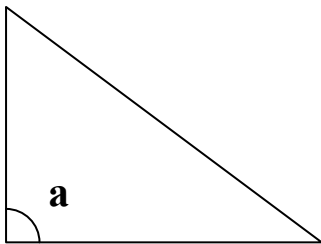
E

List:

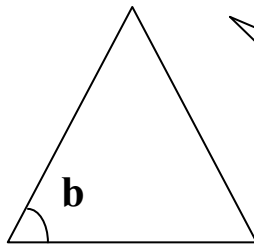
(a) Figure(s) having curves only: _____

(b) Figure(s) having straight lines and curves: _____

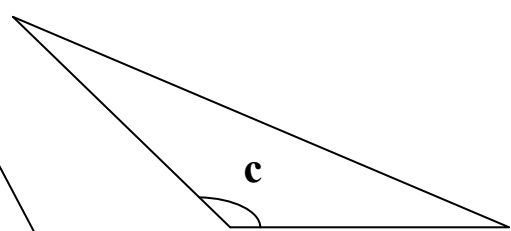
34.



a



b

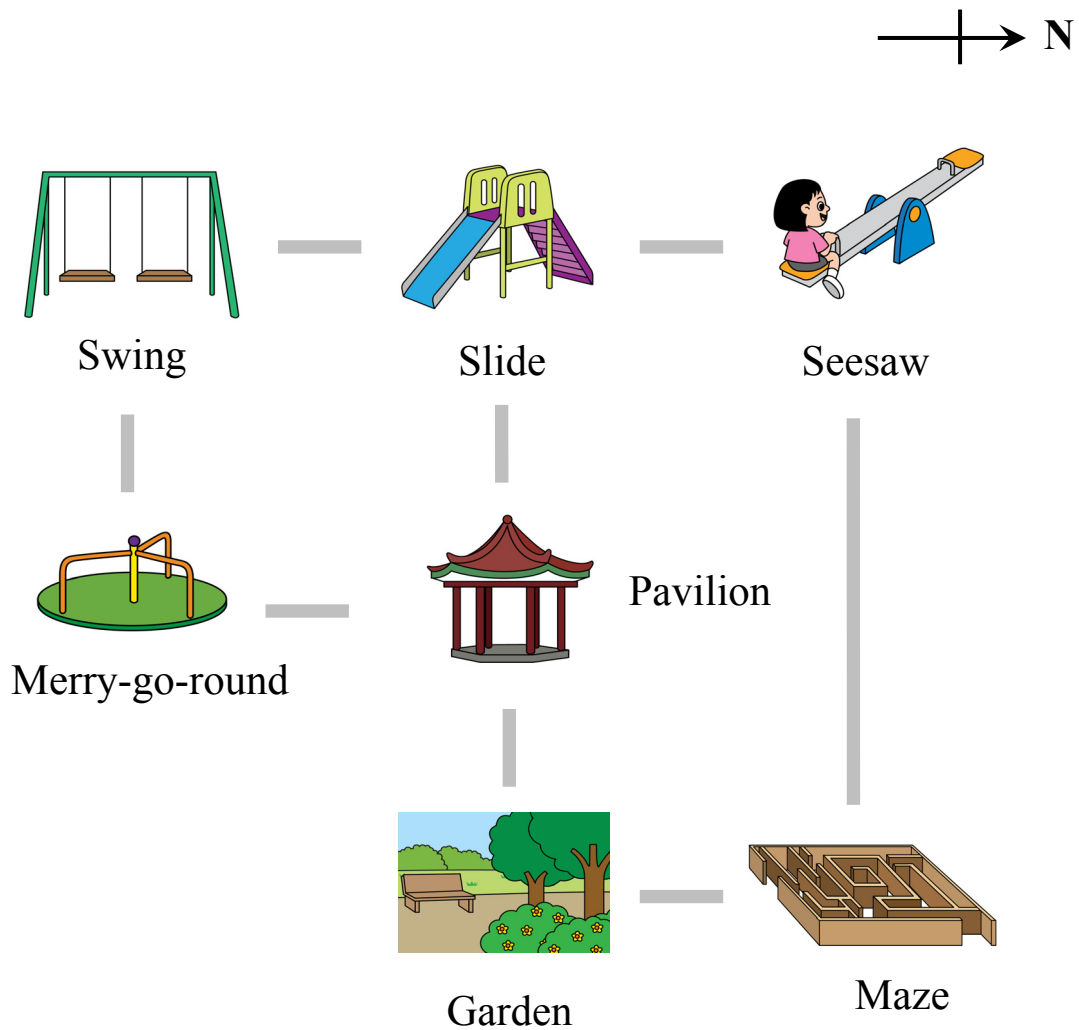


c

Study the diagrams above. Arrange the three angles **a**, **b** and **c** from the smallest to the largest.

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

35. The following is the map of a playground.



(a) Swing is to the _____ of Seesaw.
(direction)

(b) Pavilion is to the west of _____ .

Please do not write in the margin.

Please do not write in the margin.

36. P.3E pupils did a survey on the most popular hotpot dishes. Each pupil chose one dish only.

The Most Popular Hotpot Dishes of P.3E Pupils

Each  stands for 1 pupil



- (a) The number of pupils who chose _____ and the number of pupils who chose _____ were the same. There were _____ pupils who chose each of the dishes.
- (b) Compare the most popular and the least popular dishes. The difference was _____ pupils.
- (c) There were 35 pupils in P.3E. _____ of them did not vote.

37. John counted the number of sweets of different colours in a packet. The results are as follows:

(a) According to the record, complete the table below.

Colour	Red	Blue	Yellow	Green	Orange
Record					
Number of sweets					

(b) According to the result, complete the following pictogram and give it a title.

(Title)

Each ○ stands for 1 sweet

Red	○	○	○	○	○					
Blue	○	○	○	○	○					
Yellow	○	○	○	○	○					
Green	○	○	○	○	○					
Orange	○	○	○	○	○					

— END OF PAPER —