P. 4 2nd term Mathematics

Holiday Worksheet

(Summer Holiday)

Name: _____

Class: _____

Date: _____

Marks: _____

1. In the number 31 965, the digit "1" in the thousands place.

   It stands for _____.

2. Which of the following is a proper fraction?

   ○ A. $\dfrac{5}{5}$ ○ B. $\dfrac{8}{7}$ ○ C. $\dfrac{6}{7}$ ○ D. $3\dfrac{3}{8}$

3. Fill in the blankets with correct number.

   (a) $\dfrac{5}{8} = \dfrac{(\quad)}{56}$

   (b) $\dfrac{3}{12} = \dfrac{(\quad)}{4}$

4. Arrange the fractions from the largest to the smallest.

   $2\dfrac{3}{7}$, $3\dfrac{1}{8}$, $3\dfrac{3}{8}$
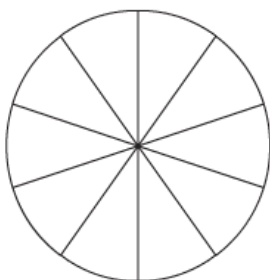
   Answer:_____> _____> _____

5. 6.305 is read as _____ .

6. Use decimal to show following fraction. $2\dfrac{1}{10}$

   Answer:_____

7. Colour the diagram according to the decimals.

   0.3

8. Which of the following numbers is the smallest? Circle it.

$$0.678 \quad , \quad 0.786 \quad , \quad 0.687$$

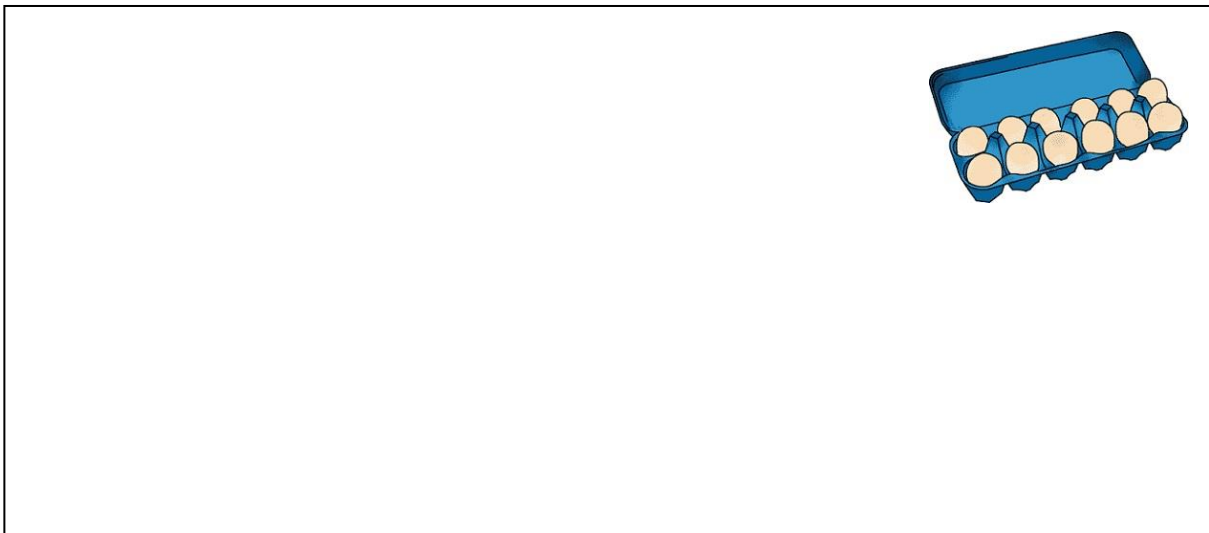9. Use 2 , 5, 7 and 9 to form the largest decimal with three decimal place.

Answer:_____

10. $36 \div (4 + 5) =$ _____

11. $3 \times 4 - 4 \div 2 =$ _____

12. $2\dfrac{3}{11} + 3\dfrac{6}{11} =$ _____

13. $1\dfrac{2}{5} - \dfrac{3}{5} =$ _____

14. There are 52 eggs. 4 eggs were broken during transportation. For the remaining unbroken eggs, every dozen is packed into a box. How many boxes can be packed? (show your working)

15. Mary paid the above amount for a doll in a department store.

(a) Mary used _____100-dollar notes.

(b) The price of the doll was _____ dollars.

16. Peter divided 75 packs of juice evenly into 5 boxes. 4 bags were sold last month. How many packs of juice were sold last month? (show your working)

17. Mary spent $1\dfrac{2}{5}$ dollars buying a pencil, $3\dfrac{1}{5}$ dollars for a ruler . How much did she spend? (show your working)

18. Mar There are 38 chocolate cookies at home. The number of butter cookies is 2 times that of chocolate cookies. Divide these two types of cookies evenly into 19 portions. How many cookies does each portion have?

(Show your working)

19. There are 5 pizzas in Peter's home. He ate $3\frac{1}{8}$ pizzas. How many pizzas are left? (3%, show your working)

14 : 05

Start time

14 : 50
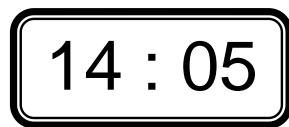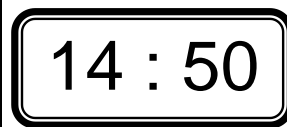
End time

20. The two clocks above show the start time and end time of a Puppet Show.

(a) Puppet Show starts at 2:05 in the * morning / afternoon .
    (* Circle the answer)

(b) Puppet Show lasts for _____ minute(s).
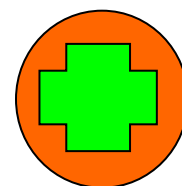
21. Fill in the following blanks with suitable units.

(a) The weight of a teabag about 2 _____ .

(b) The length of noticeboard is about 150 _____ .

(c) The capacity of a carton of milk is 1_____.

overlapping

A   B   ➔
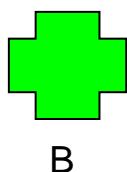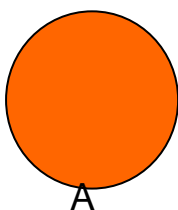
22. According to the above figure, the area of figure _____ is larger.
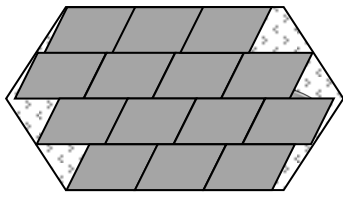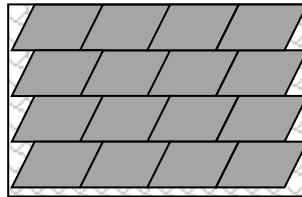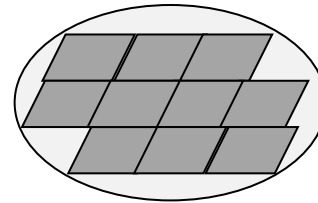
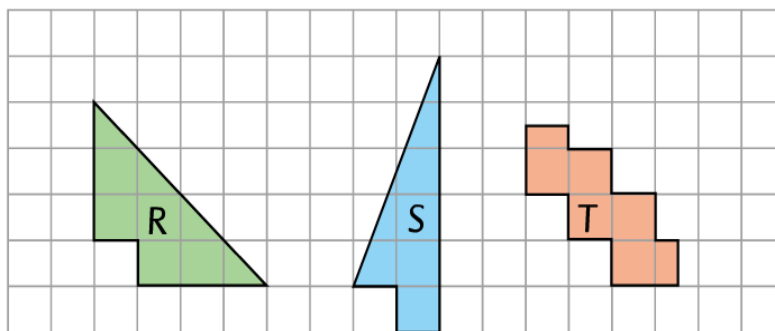Sticker A   Sticker B   Sticker C

23. Danish uses [parallelogram] to compare the areas of the three stickers above.
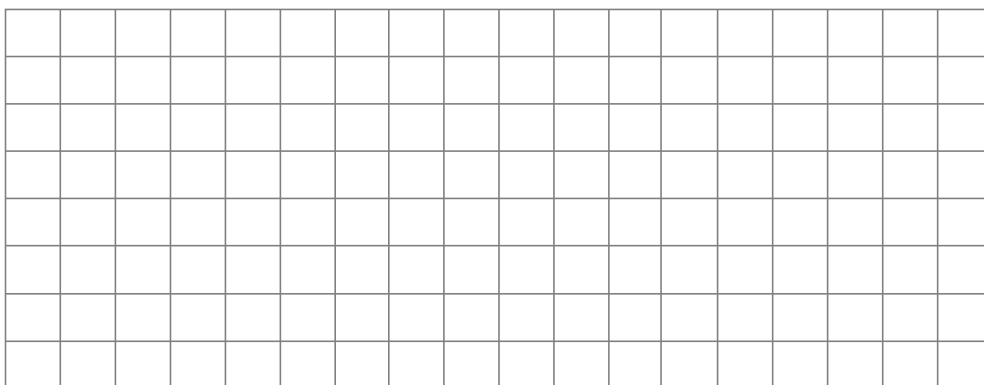
The area of sticker *   A / B / C   is the largest.
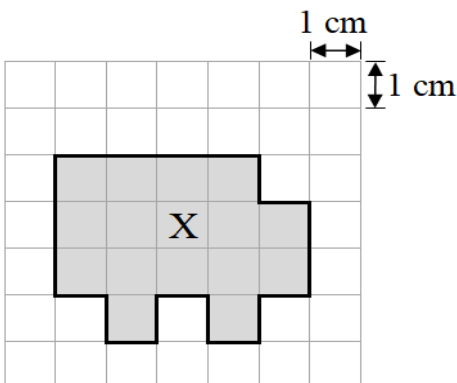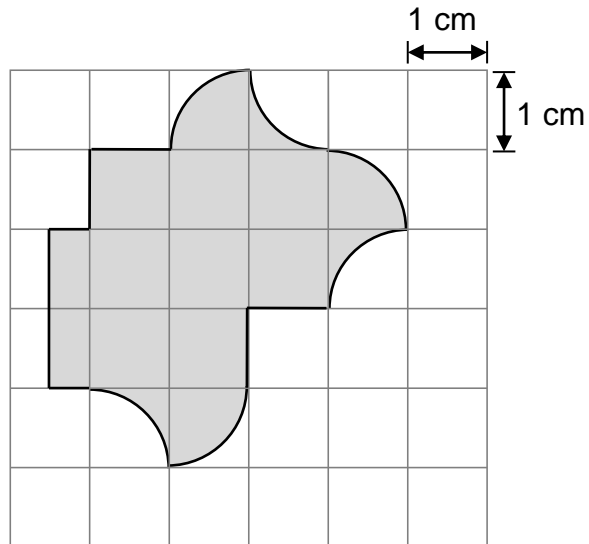
(* Circle the answer)

24. The area of * R / S / T   is the largest. (* Circle the answer)

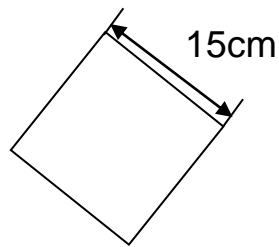25. Draw a shape with the area equal to the area of 12 squares on the squared paper below.

26.

1 cm

1 cm
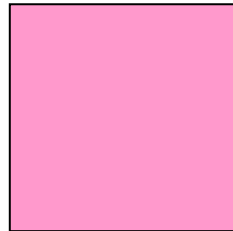

The area of the shaded region above is about _____cm².
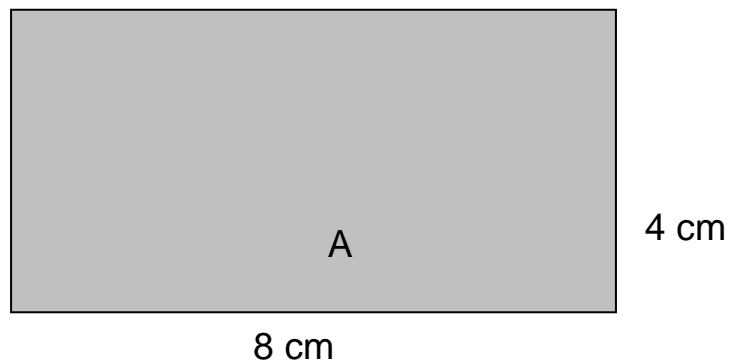
1 cm

1 cm

27. The area of the shaded region above is about _____ cm².

15cm

28. The area of the square above is _____ cm².

29. The area of the square craft paper is 64 cm².

The length of one side of the craft paper is _____cm².

A

4 cm

8 cm

30. The area of rectangle A is _____ cm².

? cm | Area：221 cm^2

17 cm
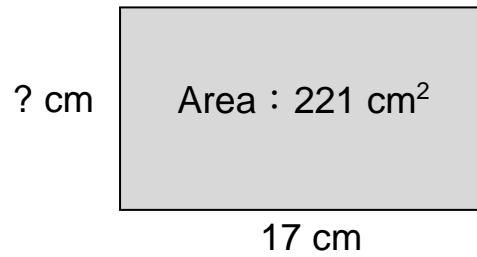
31. The width of the rectangle is _____ cm.

7 cm

3 cm

3 cm

2 cm
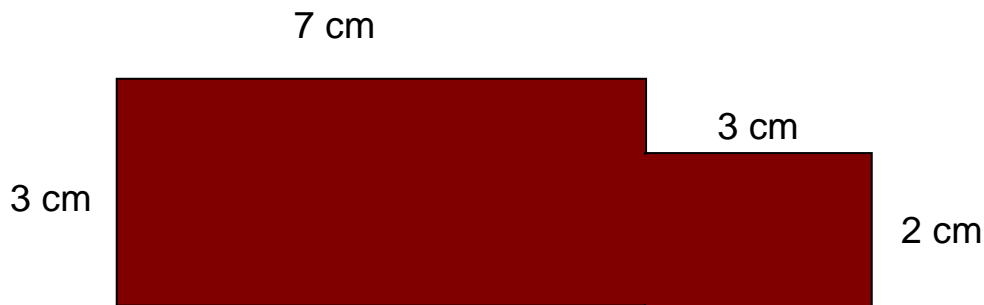
32. The area of the shaded region above is _____cm^2.

10 m

6 m

8 m

6 m
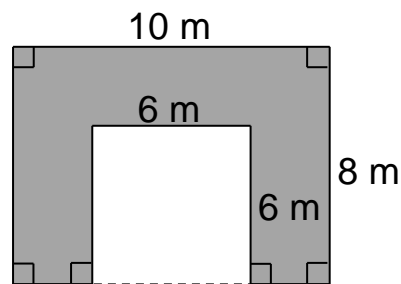
33. The area of the shaded region above is _____ m^2.

34. The length of each side of the square clock is 30 cm. What is the area of the clock in cm^2? (3%, show your working)
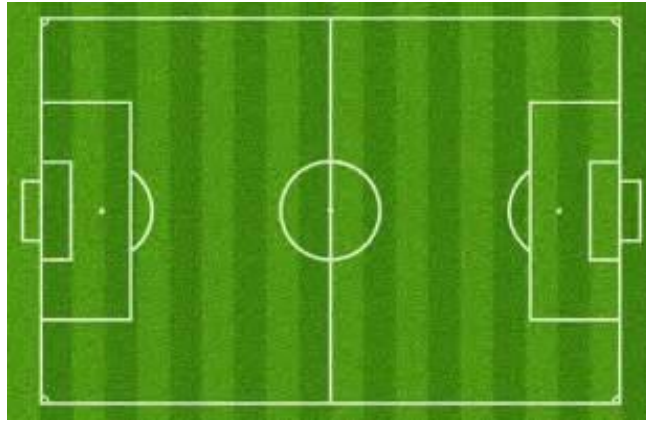
35. A rectangular football field is 68m wide. Its length is 37m more than its width. The area of the football field is _____ m².

36. Which of the following figures can be formed by placing four squares together?

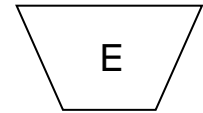   ○A. Triangle   ○B. Square   ○C. Trapezium   ○D. Circle
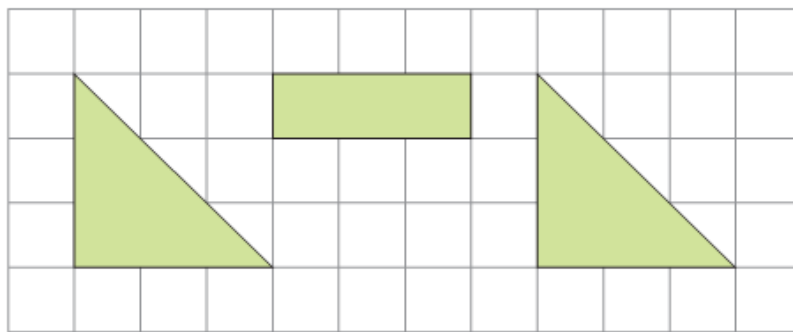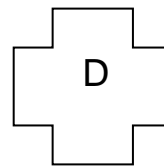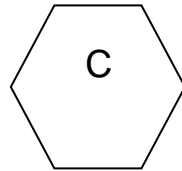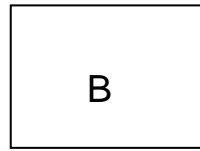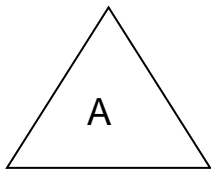

37. Fit the shapes above all together to make a quadrilateral. Which of the following figures cannot be made?

   ○A. Rectangle   ○B. Trapezium   ○C. Triangle   ○D. Parallelogram
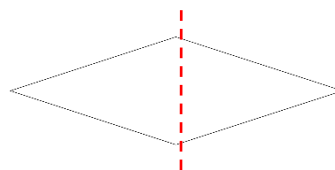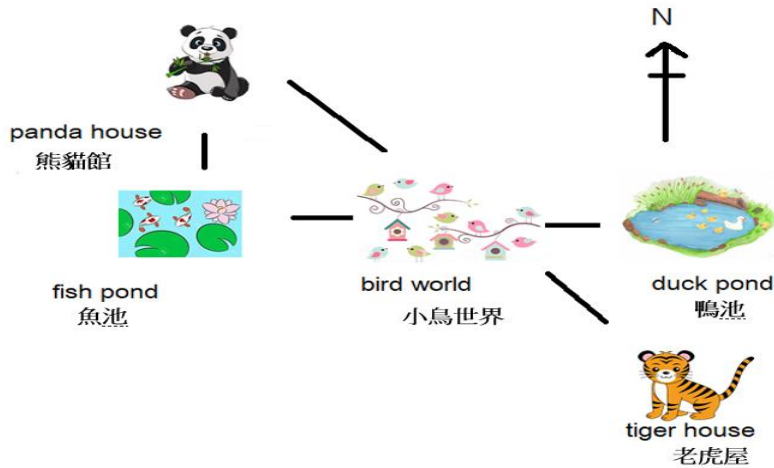

38. By cutting along the dotted lines in the rhombus shown, we can get 2_____.

   ○ A. equilateral triangles   ○ B. rectangles

   ○ C. isosceles triangles   ○ D. right-angled triangles
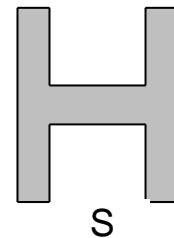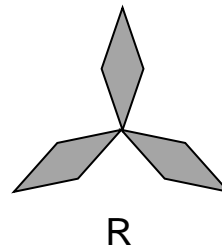
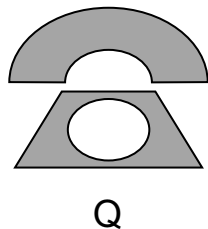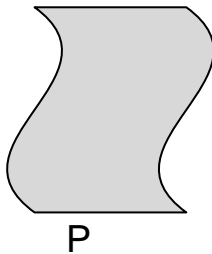39. Which of the above figures have acute angle(s)?

Answer:_____

40. (a) Panda house is to the north of the _____.

(b) Duck pond is on the   *east / south / west / north   of bird world.

   (* Circle the answer)

P   Q   R   S

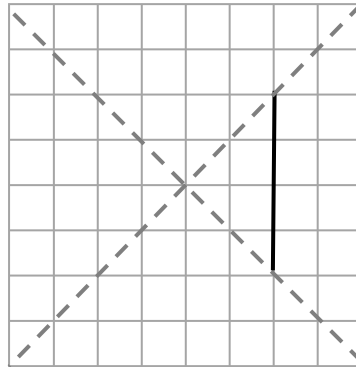41. Which of the above figures have only one line of symmetry?

Answer:_____

42. Draw dotted lines to show the lines of symmetry of the shape below.

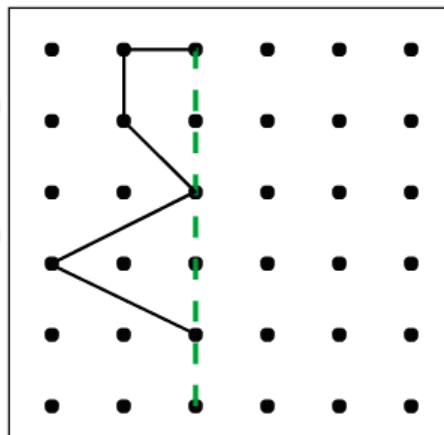43. Using the dotted line as a line of symmetry. What is the shape?

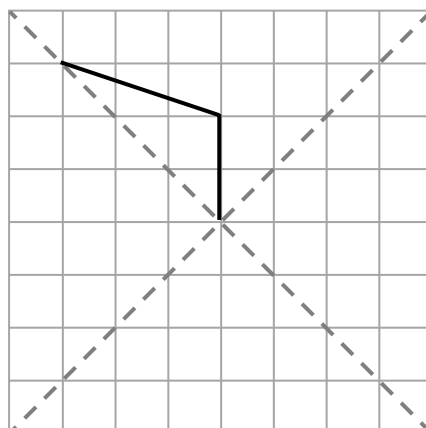○ A. Rectangle   ○ B. Square

○ C. Circle   ○ D. Trapezium

44. Using the dotted line as a line of symmetry. Draw the remaining parts of the symmetrical shape.

45. Using the dotted line as a line of symmetry. Draw the remaining parts of the symmetrical shapes.

46. The following table shows the number of presents got by 4 students in English Day.

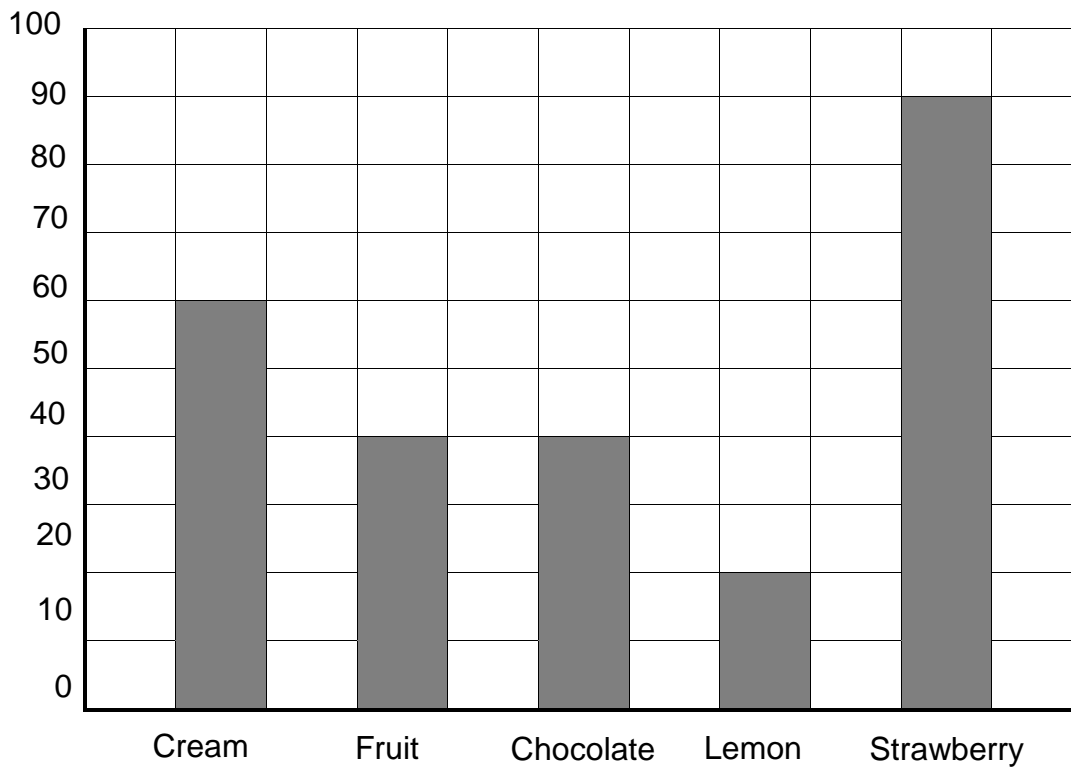| Student	Kelly	May	John	Macro
Quantity (pieces)	4	9	10	4

According to the information above, complete the bar chart (2%), add the title and scales. (2%)

(標題)

Marco

John

Student   May

Kelly

0   1   2

Quantity (pieces)
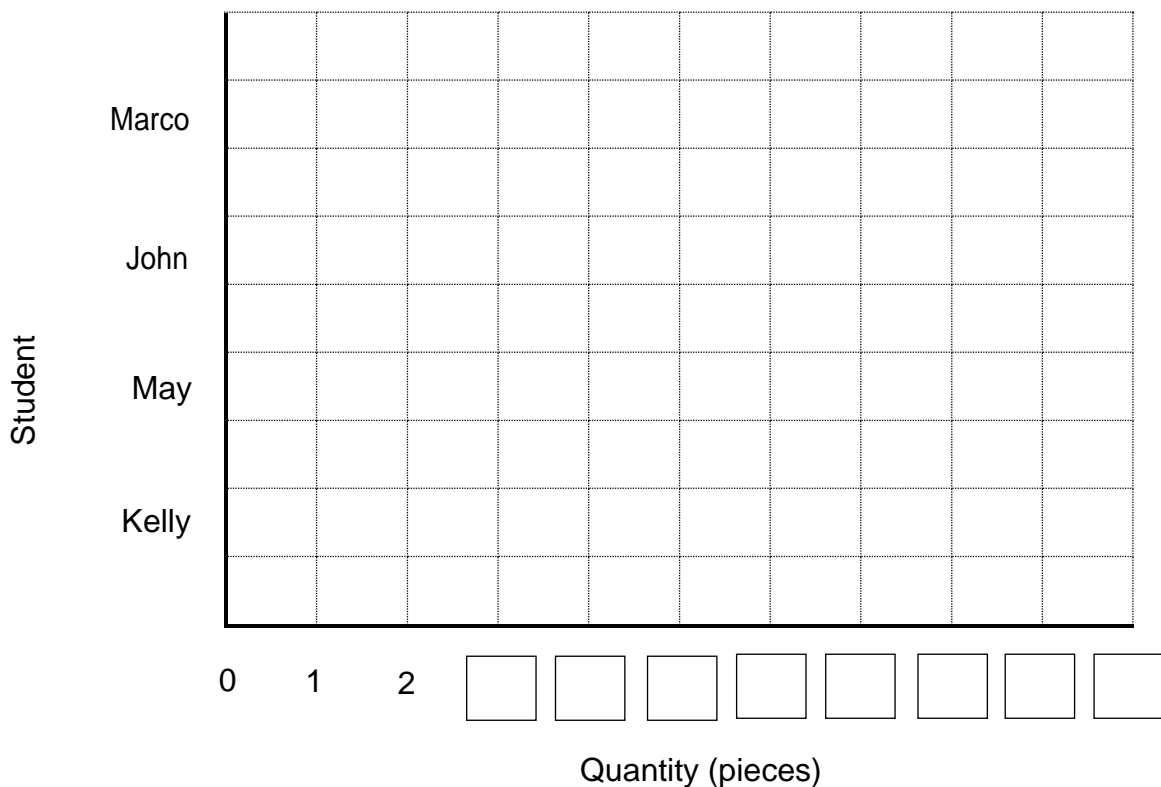
47.

Sort of birthday cakes

種類

Peter recorded the number of different kinds of cakes sold in cake shop yesterday and constructed the bar chart above. Answer the following questions according to the bar chart.

(a) Each unit stands for _____ birthday cakes in this bar chart.

(b) The number of fruit cake and _____ cake sold are the same .

(a) There were _____ strawberry cakes and lemon cakes sold altogether yesterday.

44. Design thinking section

Objectives:
1. To consolidate the recognition of capacity.
2. To use 3D design software and 3D printing technology.

Activity 1：

1. To find a box or a can of capacity 250mL.
2. Measure the length, width and height of the box or the can.
3. Cut the box into faces, think about the shape of each shape.
4. By using the information collected, design a cup of capacity 250 mL on the worksheet.
   (When you design the cup, what should you take note of?)
   (The cup may not be properly printed if it is not thick enough.)
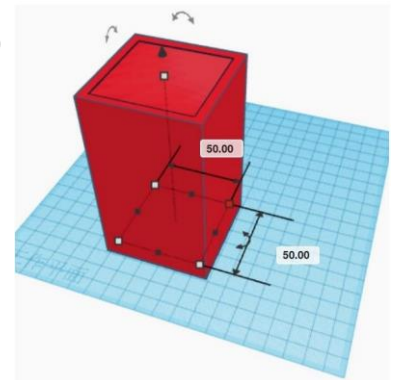
Activity 2
1. You have learn how to use the software "Tinkercad", try to make a cup by using "Tinkercad".
   For example, we make a cup by removing a cuboid of 5 cm long, 5 cm wide and 10 cm tall from a solid, then the capacity of the resulting solid is 250 mL. Remember that the 3D design software using millimetre as the unit.
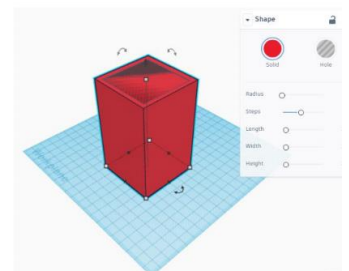

2. Make a hole from a solid to make the capacity of the cup is 250mL.

3. Students decorate the products, for example, adding a handle.
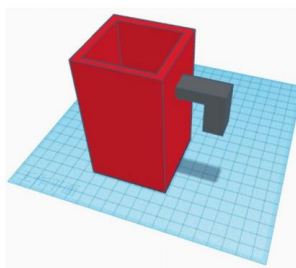
4. The teacher collects students' designs and export them to the 3D printer **after summer holiday**. The students use measuring cups to verify if the actual capacities of their products meet the requirement of the tasks

1. Design the measuring cup:
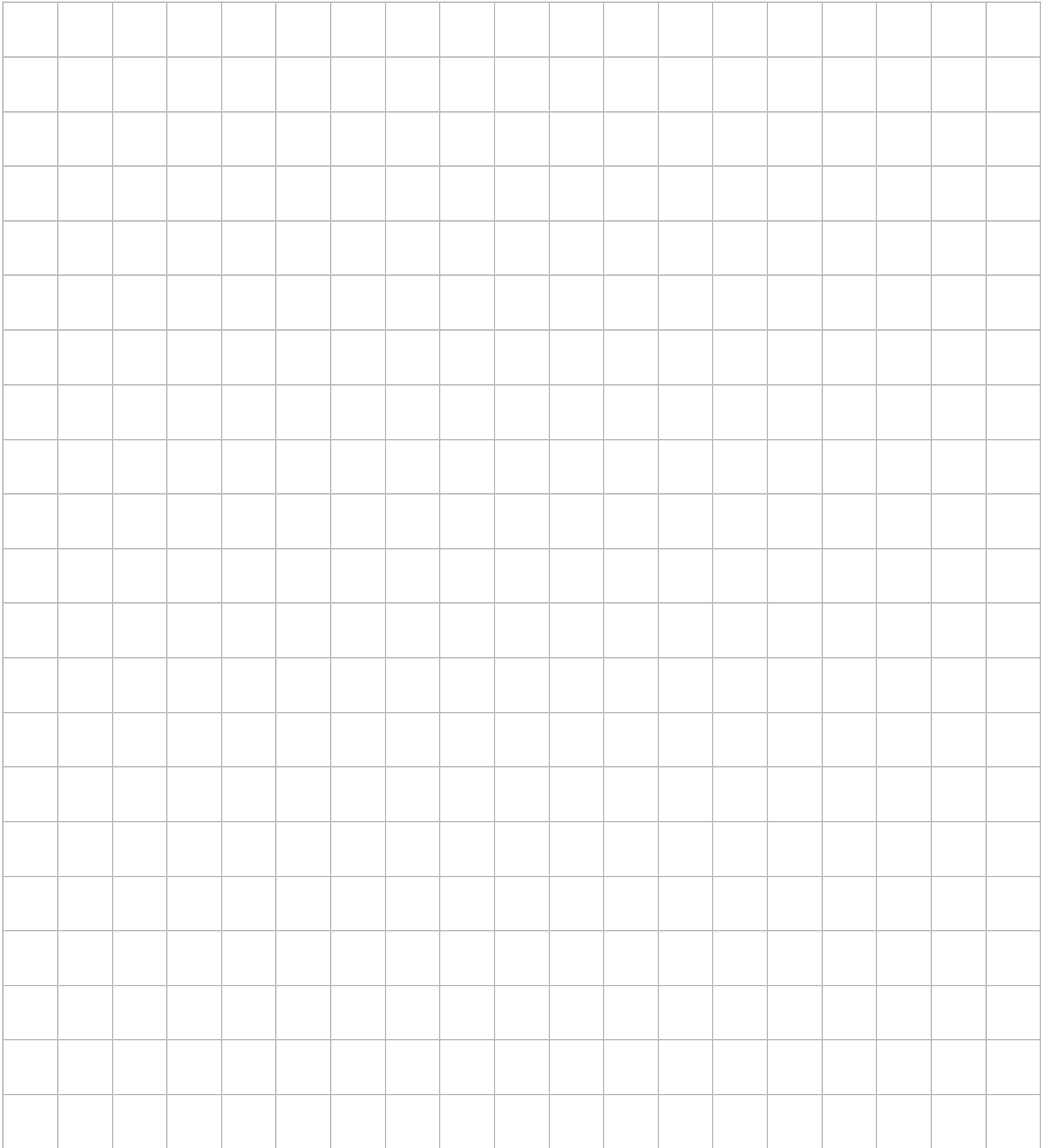
2. The actual capacity of the cup above is about :＿＿＿＿＿＿mL.