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

63 095 , 6 953 , 60 359

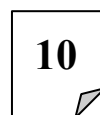
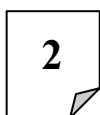
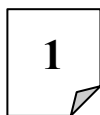
Answer: _____ , _____ , _____
(Smallest) (Largest)

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

- ☐ A. 7
☐ B. 48
☐ C. 56
☐ D. 80

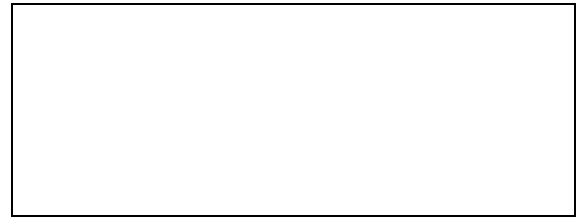
3. Which of the following numbers are common factors of 5 and 20?

(Circle all the answers)



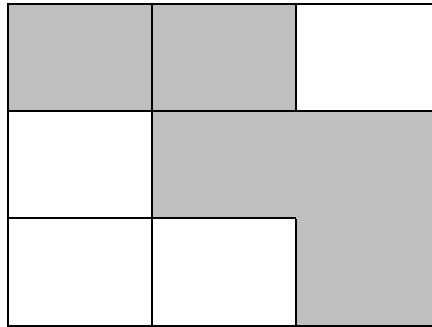
4. The Least Common Multiple (L.C.M.) of 18 and 30
is _____ .

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Please do not write in the margin.

5. What fraction of the whole figure below is shaded?



Answer:

of the whole figure is shaded.

6. (a) Change $6\frac{3}{4}$ into an improper fraction.

Answer:

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

$$\frac{8}{15} = \frac{\boxed{}}{90}$$

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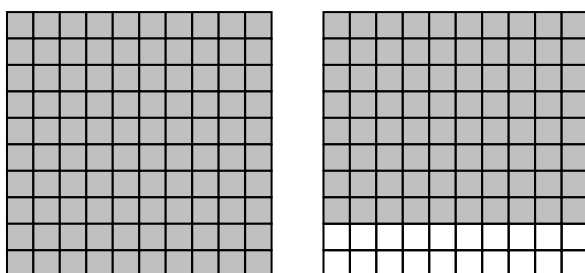


7. Which of the following fractions is the largest?

(Circle the answer)

$$\frac{9}{14} \quad , \quad \frac{5}{7} \quad , \quad \frac{3}{4}$$

8.

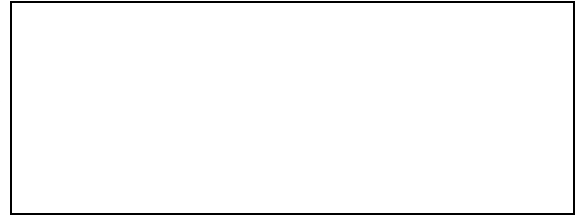


There are two large squares in the diagram above. Each large square stands for 1.

Use a decimal to represent the shaded part in the diagram.

- ☐ A. 180
☐ B. 1.8
☐ C. 1.08
☐ D. $1\frac{80}{100}$

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9. In the number 0.195, what is the value of the digit '9'?

☐ A. 0.19

☐ B. $\frac{9}{10}$

☐ C. $\frac{9}{100}$

☐ D. $\frac{9}{1000}$

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

Answer: _____

11. When 200 is divided by 16, the quotient is _____
and the remainder is _____.

Please do not write in the margin.

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

13. $9 \div (0.42 + 1.38) =$ _____

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

She can buy _____ folders at most.

15. A piece of cloth was 2 metres long. Mrs Ho cut $1\frac{1}{4}$ metres away and used the remaining part to make 3 masks.

On average, metre of cloth was used to make a mask.

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

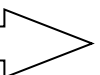
17. (a) Change $\frac{3}{25}$ into a percentage.

Answer: _____ %

(b) Change 105% into a decimal.

Answer: _____

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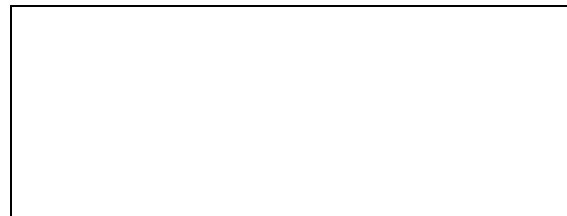
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18. There are 40 balls in the sports room. 10% of them are footballs. 25% of them are basketballs. How many more basketballs than footballs are there?

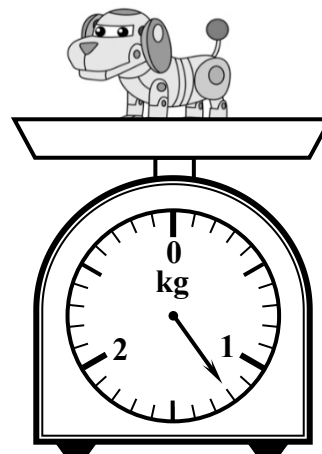
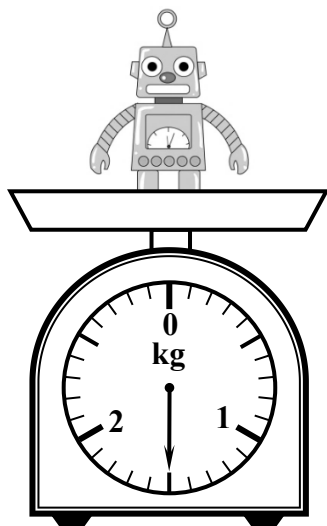
(Show your working)

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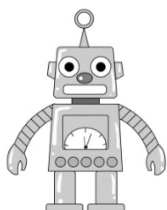
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19.

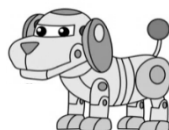


(a)



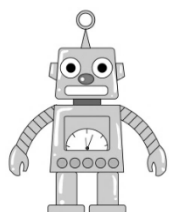
weighs _____ kg.

(b)



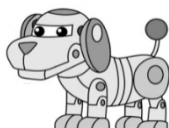
weighs _____ g.

(c)



is _____ g * lighter / heavier

than



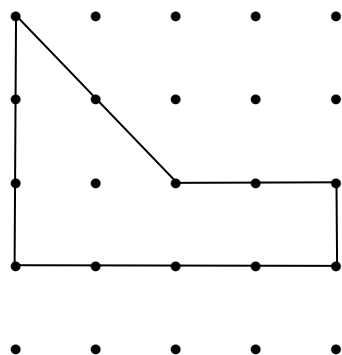
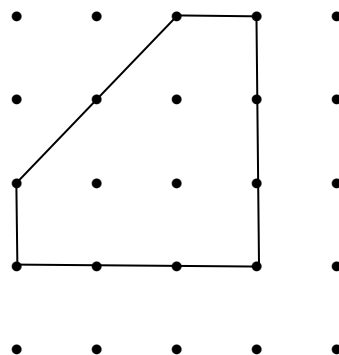
.

(*Circle the answer)

Please do not write in the margin.

Please do not write in the margin.

20.

**X****Y**

Study the diagrams above. Which of the following statements is correct?

- ☐ A. The perimeter of **X** is longer than that of **Y**.
- ☐ B. The perimeter of **X** is shorter than that of **Y**.
- ☐ C. The perimeters of **X** and **Y** are the same.
- ☐ D. The perimeters of **X** and **Y** cannot be compared.

21. The diameter of a circle is 10 cm. Its circumference is about

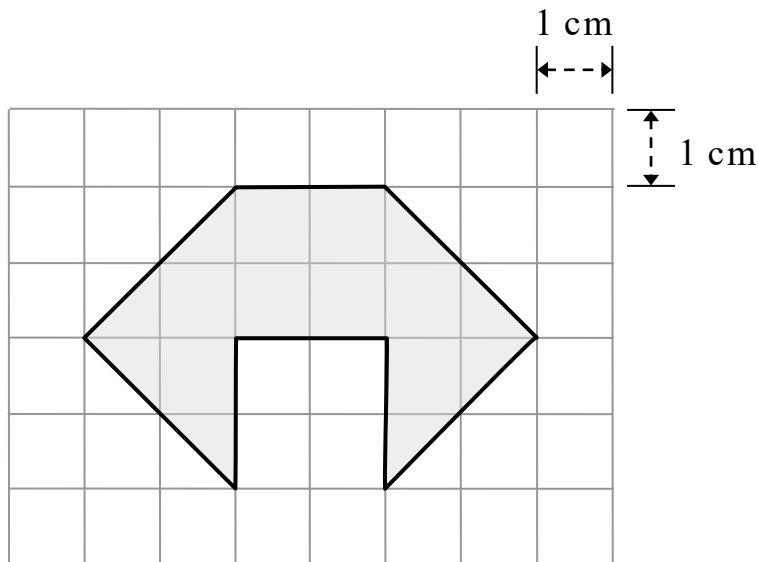
- ☐ A. 3 cm.
- ☐ B. 31 cm.
- ☐ C. 40 cm.
- ☐ D. 63 cm.

22. Fill in the following blanks with suitable units.

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

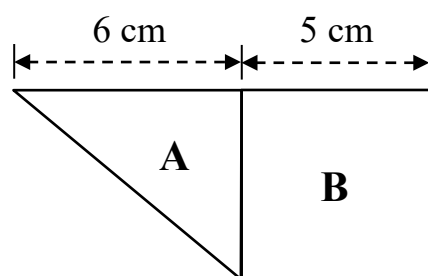
(b) The capacity of a rubbish bin is about
20 _____ .

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



The area of the shaded part is _____ cm^2 .

24.



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

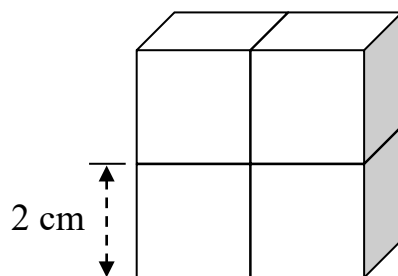
(a) **A** is

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

(*Circle the answer)

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

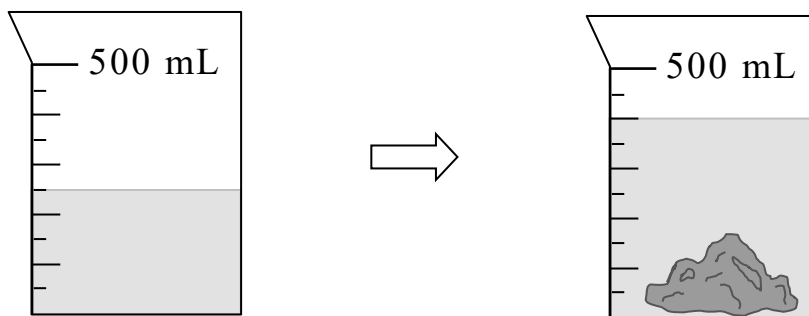
25.



The cuboid above is made up of four cubes. The side of each cube is 2 cm. The volume of the cuboid is

_____ cm^3 .

26.



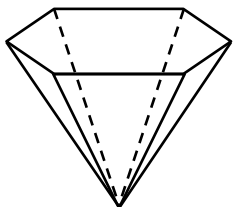
The volume of  is _____ cm^3 .

27. Dick walked at an average speed of 1.5 m/s in one minute. He walked _____ m.

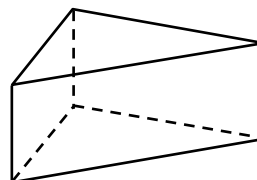
28. Which of the following 2-D shapes has opposite sides parallel and four sides equal?

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

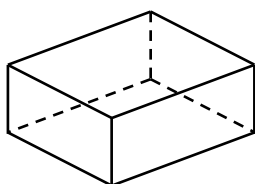
29. Which of the following 3-D shapes has 6 vertices and 10 edges?



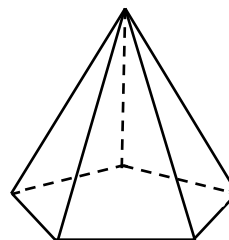
☐ A.



☐ B.



☐ C.

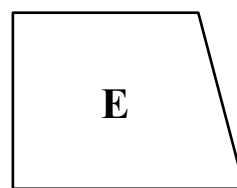
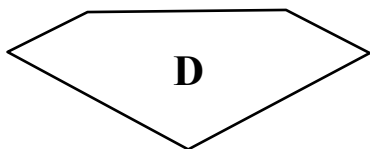
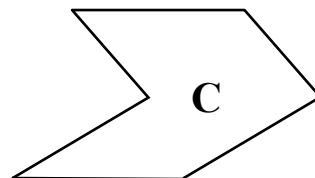
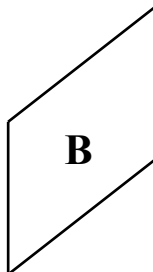
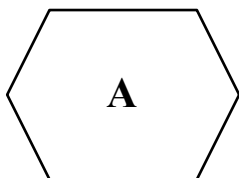


☐ D.

30. Mrs Chan has a pack of flour. She uses y grams every day. After two weeks, there are 60 grams of flour left. How many grams of flour are there in the pack originally?

- ☐ A. $14y + 60$
- ☐ B. $14y - 60$
- ☐ C. $y + 60$
- ☐ D. $(y + 60) \times 14$

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



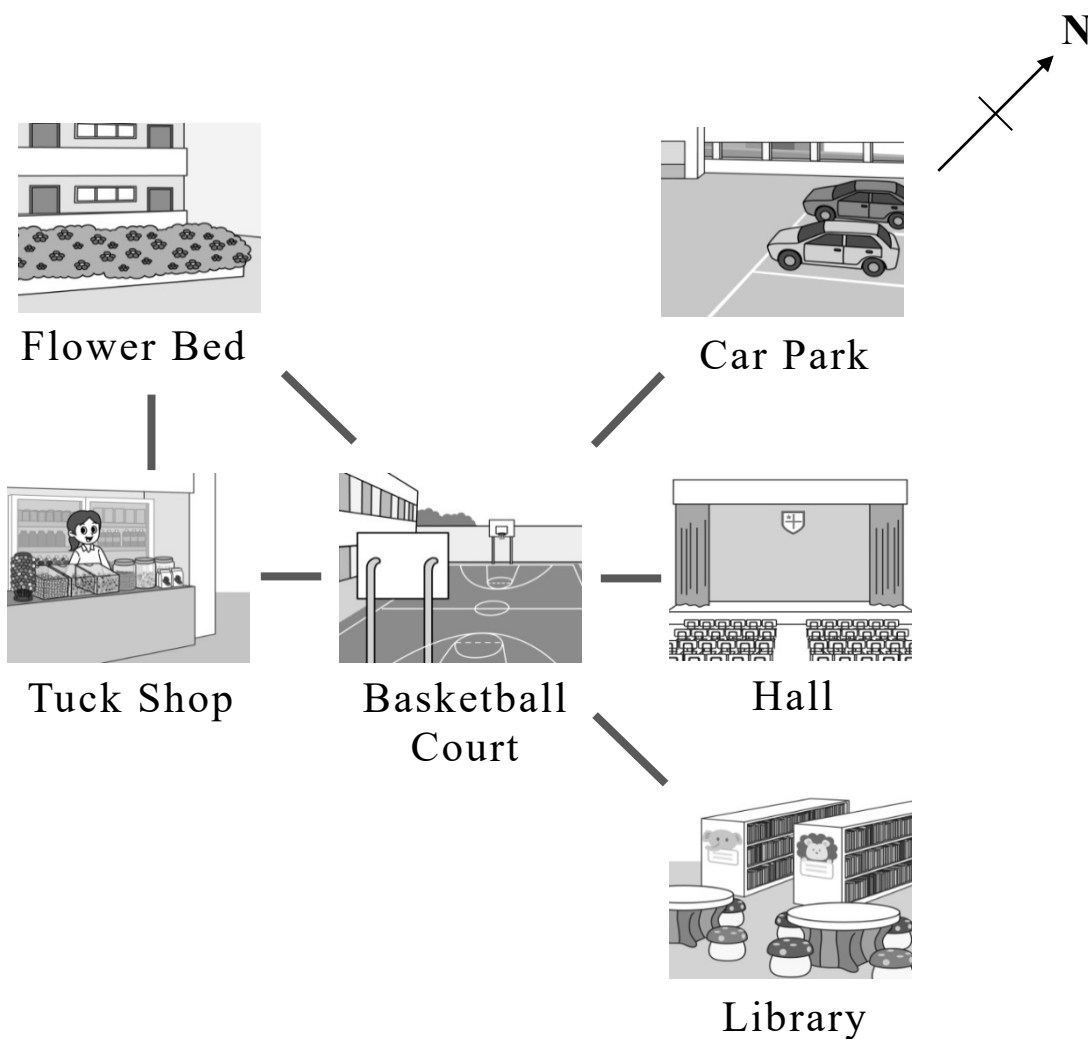
- (a) Parallelogram: _____
- (b) Hexagon: _____

32. $4A - 1.2 = 2.8$

$A =$



33. 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 _____ .

34. Peter bought a bottle of juice. He drank $\frac{1}{4}$ of the whole bottle in the morning and 250 mL in the afternoon. He drank 450 mL in total. Find the original amount of juice in this bottle by *the method of solving an equation*.
(Show your working)

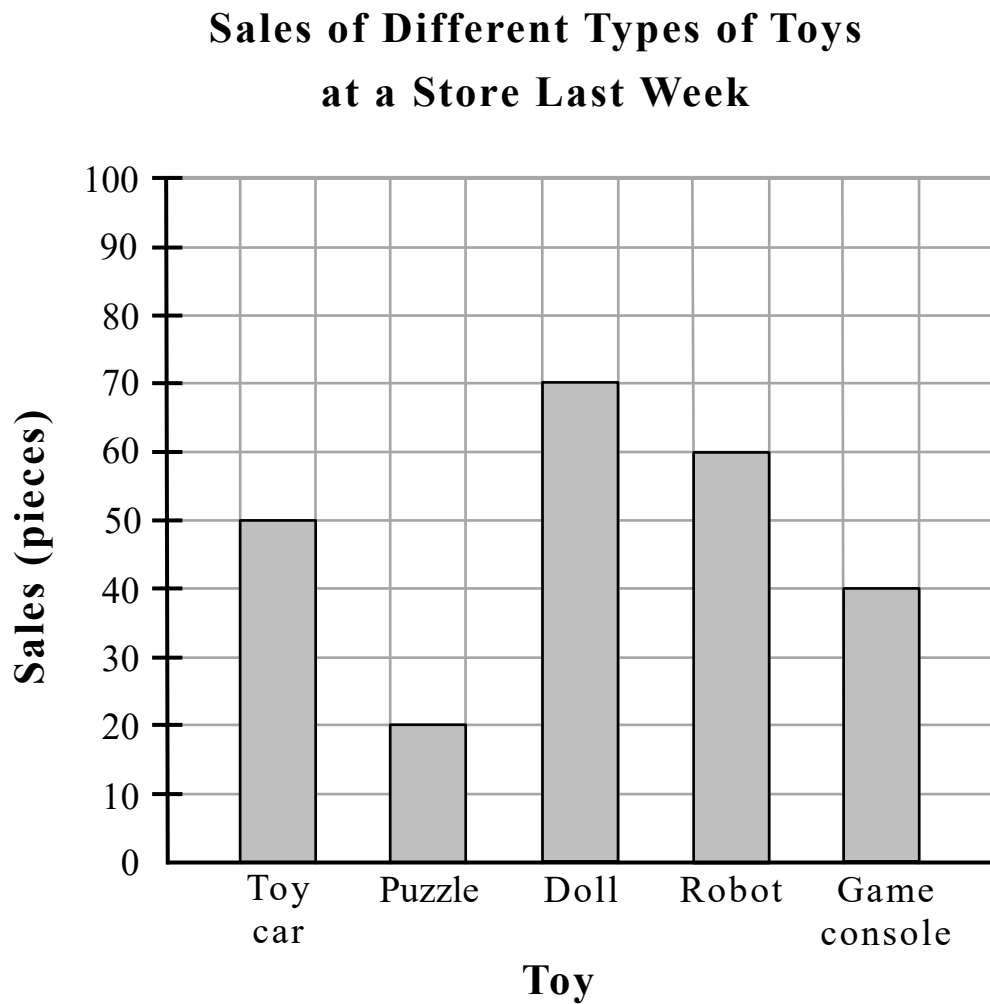
35. Find the average of the five numbers below.

32.6 , 23.1 , 10 , 15.9 , 40.4

Answer: The average is _____ .

Please do not write in the margin.

36. The following bar chart shows the sales of different types of toys at a store last week.



Please do not write in the margin.

- (a) The sales of _____ were the most.
_____ pieces were sold.
- (b) The sales of robots were _____ times
that of puzzles.

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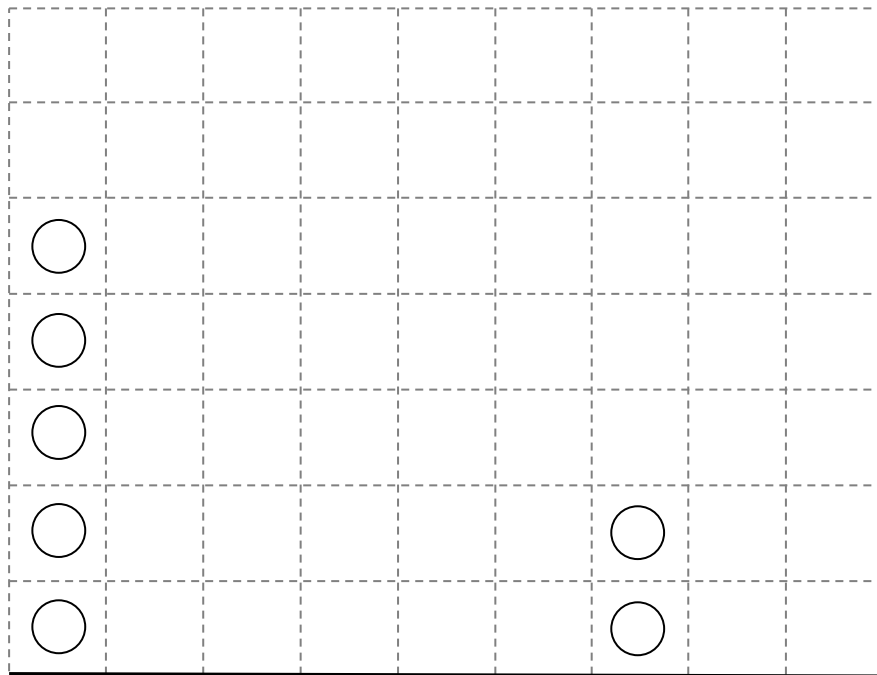
37. Mr Chan did a survey on the number of pupils who have played the Booth Games. The results are as follows:

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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