







Lesson 1 – 29.06.2020

LO: To Interpret Pictograms 1-1

Success Criteria:

1. Look at the pictogram and tick the statements that are true:

 = 1 vote


| Juice     |  |
|-----------|--|
| Pineapple |   |
| Orange    |   |
| Apple     |  |





A. 4 people chose pineapple juice.

B. 7 people chose orange juice.

C. Apple juice was chosen by 6 people.

2. The children at Canonbury made a pictogram of the cars that passed by. Use the pictogram to answer the questions:

 = 1 car

| Colour |   |
|--------|---|
| Red    |    |
| Blue   |    |
| Black  |   |
| Grey   |  |

A. How many grey cars pass by?

10

B. How many blue cars were there?

3

C. How many red cars pass by?

4

**Task 1**

**Practice**

Answer the questions using the pictograms

**1 symbol represents 1 object**

1.

| Creature |  |
|----------|--|
| Lobster  |  |
| Starfish |  |
| Octopus  |  |
| Turtle   |  |

**A. Starfish; B. 12; C. 6**

2.

| Flavour |  |
|---------|--|
| Vanilla |  |
| Cookie  |  |
| Toffee  |  |
| Mint    |  |

**A. Mint; B. 12; C. 32**

3.

| Animals |  |
|---------|--|
| Monkey  |  |
| Tiger   |  |
| Lion    |  |
| Zebra   |  |

**A. Zebra; B. 8; C. 3**

**Task 2**

**Practice**

1.

| Class    | Number of Children |
|----------|--------------------|
| Class 1A |                    |
| Class 2A |                    |
| Class 3A |                    |
| Class 4A |                    |
| Class 5A |                    |

Key: = 5 children

**A. 25; B. 35; C. Class 1A; D. Class 3A and Class 4A.**

2.

| Drink    | Number of Children |
|----------|--------------------|
| Lemonade |                    |
| Cola     |                    |
| Juice    |                    |
| Water    |                    |
| Milk     |                    |

Key: = 10 children

**A. 50; B. 100; C. 40; D. Water and milk**

3.

| Cupcake    | Number of Cupcakes Sold |
|------------|-------------------------|
| Carrot     |                         |
| Lemon      |                         |
| Chocolate  |                         |
| Vanilla    |                         |
| Red velvet |                         |

Key: = 10 cupcakes sold

**A. 65; B. 35; C. 30**

**Task 3**

**Reasoning**

**Explain your answers.**

5a. True or false?

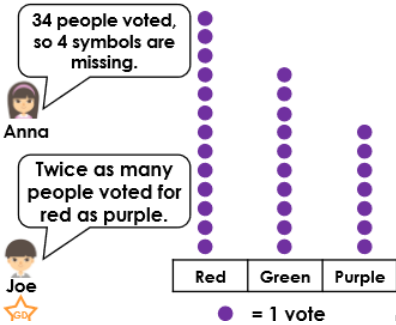
- A. 10 children have a fish or a rabbit.
- B. 24 children were asked in total.

|        |                  |
|--------|------------------|
| Pets   | ● = 1 vote       |
| Rabbit | ●●●●●●           |
| Dog    | ●●●●●●●●●●●●●●●● |
| Fish   | ●●●●             |

Explain your answers.

**A. True. 6 people have a rabbit and 4 people have a fish.  $6 + 4 = 10$ . B. False. There are 23 symbols altogether.**

9b. Who is correct? Explain your answer.



**Anna is correct. There are 13 symbols for red, 10 symbols for green and 7 symbols for purple.  $13 + 10 + 7 = 30$ . If 34 people vote that means 4 symbols are missing.**

6a. Sue draws a pictogram to show the children's favourite author.

| Author   | Number of Children<br>1 book = 10 children |
|----------|--|
| Dahl     | ●●●●●                                      |
| Walliams | ●●●  |
| Rowling  | ●●●●●●●●●●                                 |
| Morpurgo | ●●●●                                       |

Half the number of children that voted Dahl, voted Morpurgo.

☆ Is she correct? Explain your answer.

**No, Sue is incorrect because 50 children voted Dahl and 35 children voted Morpurgo. That is a difference of 15**

**Task 4**

**Problem solving**

4a. Charlie has spilt on his pictogram.

● = 1 vote

|      | Transport        |
|------|------------------|
| Car  | ● [Spilled]      |
| Walk | ●●●●●●●●●●●●●●●● |
| Bike | ●●●●●●           |

Use the clues to work out how many travel by car.

- More people walk than travel by car.
- Fewer people ride a bike than travel by car.

**7, 8, 9 or 10**

4b. Kara has spilt on her pictogram.

● = 1 vote

|         | Subject          |
|---------|------------------|
| English | ●●●●●●●●●●●●●●●● |
| Maths   | ● [Spilled]      |
| Art     | ●●●●●●●          |

Use the clues to work out how many chose Maths.

- English was the most popular subject.
- At least 3 more chose Maths than Art.

**10, 11 or 12**

5a. Dave is drawing a pictogram. He knows more children have blonde hair than ginger, but fewer children have blonde hair than black.

Complete the pictogram showing one of the possibilities.

| Hair Colour | Number of Children |
|-------------|--------------------|
| Black       | ●●●●●              |
| Blonde      |                    |
| Brown       | ●●●●●●●●●●●●●●●●   |
| Ginger      |                    |

☆ Key: ● = 2 children

**Various answers, for example: Blonde = 6 and Ginger = 5.**

**Challenge**

2. Indi and Isaiah spill pizza sauce on the pictogram below. They know that in total, more than 70 but less than 100 pizzas were made.

| Flavours   | Number of pizzas made |
|------------|-----------------------|
| Vegetarian |                       |
| Margherita |                       |
| Olive      |                       |
| Pepperoni  |                       |



Indi

Most people chose pepperoni.

Between 8 and 16 people chose vegetarian.



Isaiah

Key: = 6

Use the clues to investigate what each pizza is worth and how many people chose olive and pepperoni pizzas.

Various answers, one example shown above.

Vegetarian = 15; Margherita = 18; Olive = 21; Pepperoni = 30