

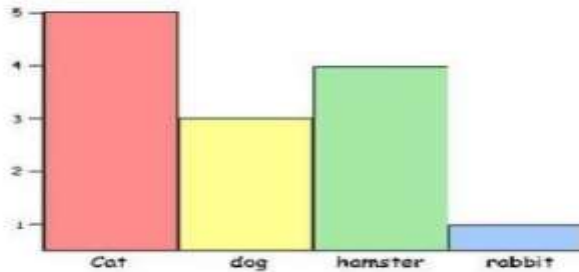
Chapter 8: Who is Heavier?

- Introduction
- Conversion from kg to gram and vice versa
 - Maths copy 2
 - Date 24/1/22

WS98

1)

The children in class 2 were asked if they had any pets, and what type of pet they had.



1. How many children have a pet cat? _____
2. How many children have a pet rabbit? _____
3. Which is the most popular pet? _____
4. How many cats and dogs do the class have altogether? _____
5. How many hamsters do the class have? _____
6. How many children have a pet in class 2? _____
7. If there are 30 children in the class, how many children don't have a pet? _____

Handwritten notes on lined paper:

1) 1) 5
2) 1
3) Cat
4) Cats → 5
Dogs → 3
Total : 8

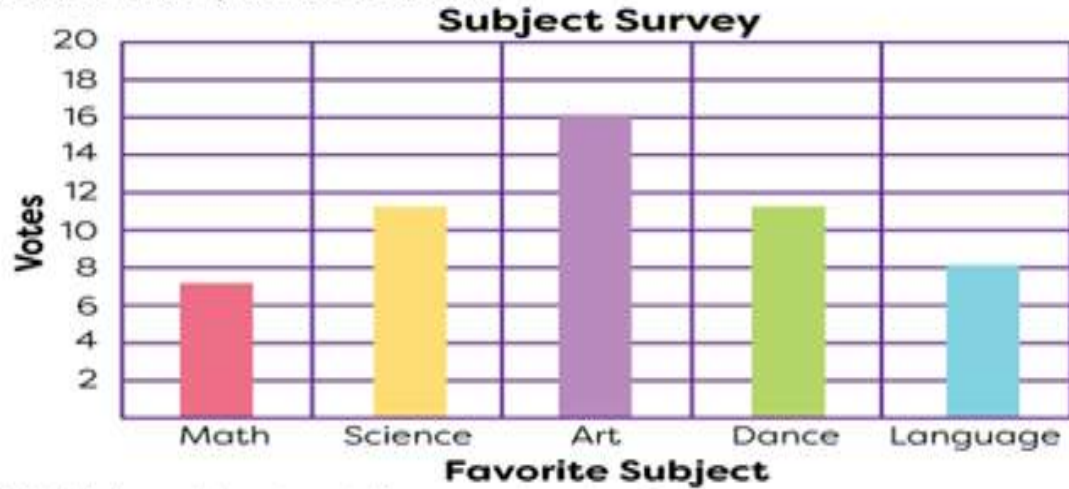
6) Cats → 5
Dogs → 3
hamster → 4
Rabbit → 1
13

7) 30 - 13 = 17

5) 4

2)

Study the bar graph. Use the information from the graph to answer the questions below.



1. Which subject got the most votes?

2. How many votes did Dance get?

3. How many votes did Art get?

4. How many more votes did Language get than Math? $?$

5. How many more votes did Art get than Language?

2)

1) Art

2) 11

3) 16

4) Language \rightarrow 8

Maths \rightarrow 7

\therefore More votes = 1

5) Art \rightarrow 16

Language \rightarrow 8

\therefore More votes : 08

What is mass?

- **Mass** is a measurement of how much matter is in an object.
- SI(International System of Units) Unit of mass is KILOGRAM (Kg).
- Other unit of mass is GRAM(g).
- $1\text{Kg} = 1000\text{g}$

Where do we find Kg and g in real life?



Convert from Kg to g.

1) Convert 5 Kg into g.

We know,

$$1 \text{ Kg} = 1000 \text{ g}.$$

$$\therefore 5 \text{ Kg} = 5 \times 1000 \text{ g}.$$

$$= 5000 \text{ g}.$$

$$\text{Ans) } 5 \text{ Kg} = 5000 \text{ g}.$$

Convert from Kg to g.

2) Convert 10Kg 500g into g.

We know,

$$1 \text{ Kg} = 1000 \text{ g.}$$

$$\therefore 10 \text{ Kg } 500 \text{ g} = (10 \times 1000) \text{ g} + 500 \text{ g}$$

$$= 10,000 \text{ g} + 500 \text{ g}$$

$$= 10,500 \text{ g.}$$

Convert from Kg to g.

3) Convert 17 Kg 862 g into g.

We know,

$$1 \text{ Kg} = 1000 \text{ g}.$$

$$\begin{aligned}\therefore 17 \text{ Kg } 862 \text{ g} &= (17 \times 1000) \text{ g} + 862 \text{ g} \\ &= 17,000 \text{ g} + 862 \text{ g} \\ &= 17,862 \text{ g}.\end{aligned}$$

$$\text{Ans) } 17 \text{ Kg } 862 \text{ g} = 17,862 \text{ g}.$$

Convert from g to kg.

4) Convert 12,000g into kg.

We know, 1 kg = 1000g.

$$\therefore 12000g = (12000 \div 1000) g \\ = 12 \text{ kg.}$$

$$\begin{array}{r} 12 \\ 1000 \overline{) 12000} \\ \underline{- 1000} \\ \times 2000 \\ \underline{- 2000} \\ \times \times \times \times \end{array}$$

Ans) 12,000g = 12kg.

Convert from g to kg and g.

5) Convert 18,276g into kg and g.

We know,

$$1 \text{ kg} = 1000 \text{ g}$$

$$\therefore 18276 \text{ g} = (18276 \div 1000) \text{ kg}$$

$$= 18 \text{ kg } 276 \text{ g}$$

$$\begin{array}{r} 18 \text{ kg} \\ \hline 1000 \overline{) 18276} \\ \underline{- 1000} \\ 8276 \\ \underline{- 8000} \\ 276 \text{ g} \end{array}$$

$$\text{Ans) } 18,276 \text{ g} = 18 \text{ kg } 276 \text{ g}$$

Convert from g to kg and g.

6) Convert 20,070g into Kg and g

We know,

$$1\text{kg} = 1000\text{g}$$

$$\therefore 20,070\text{g} = (20,070 \div 1000) \text{ kg}$$

$$\begin{array}{r} 20 \leftarrow \text{kg} \\ \hline 1000 \overline{) 20,070} \\ \underline{- 2000} \\ \times \times \times 70 \leftarrow \text{g} \end{array}$$

$$= 20\text{kg } 70\text{g}$$

$$\text{Ans) } 20,070\text{g} = 20\text{kg } 70\text{g}$$

WS99

Solve:

1)..... is a measurement of how much matter is in an object.

(mass/length)

2) Full form of SI unit is

3) SI unit of mass is(kg/g)

4) Give two examples from your surrounding where you find net weight printed on any object.

Solve:

5) Identify the units:

a) Weight of a small packet of biscuits (g/kg).

b) Weight of a sack of pulses(g/kg).

c) Your weight(kg/g).

6) Convert 14kg into g.

7) Convert 8kg230g into g.

Solve:

8) Convert 3000g into kg.

9) Convert 59873g into kg and g.

10) Convert 123457 g into kg and g.

THANK
YOU