



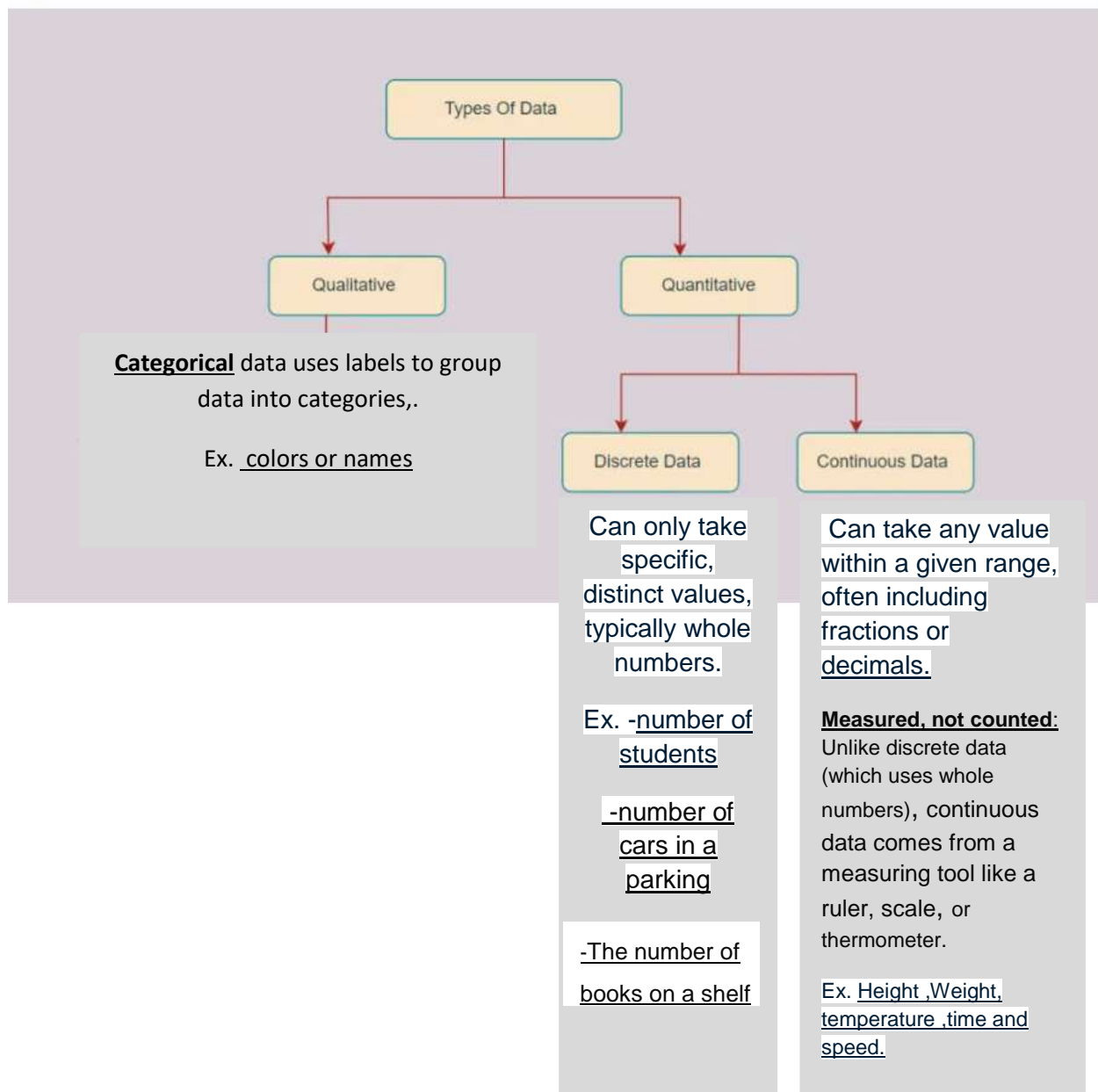
Summary Sheet(Collecting data)

Class: 6 (A, B)

Mrs. Rawan Gwynat

Name .....

\* Types of data:



1)

A car repair garage records information about the cars it repairs.

Put a cross in the box to indicate whether each of the following is discrete or continuous data.

(a) The length

Discrete

☐

Continuous

☒

(b) The time taken to repair each car

Discrete

☐

Continuous

☒

(c) The number of seats

Discrete

☒

Continuous

☐

(d) The number of gears

Discrete

☒

Continuous

☐

(e) The number of miles per gallon

Discrete

☐

Continuous

☒

2) A car salesman records information about the cars he is selling.



Here is a list of words.

**Categorical**

**Continuous**

**Discrete**

Use a word from the list to complete each sentence.

(a) The number of doors is ..... <sup>Discrete</sup> data.

(b) The length of each car is ..... <sup>Continuous</sup> data.

(c) The colour of the car is ..... <sup>Categorical</sup> data.

3) There are 40 sheep on a farm.

Use the best word from the list to complete each sentence below.

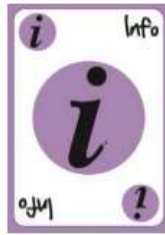
**Qualitative**

**Discrete**

**Continuous**

(a) The colours of the sheep is ..... <sup>Qualitative or Categorical</sup> data

(b) The weights of the sheep is ..... <sup>Continuous</sup> data



## Surveys

- There are two main ways to conduct a survey:
  - Face-to-face
  - Using a questionnaire
- There are pros and cons to each method

## Surveys

### Face-to-face

- PROS
  - Can make sure people understand the questions and complete the whole survey
  - Enables follow up questions
- CONS
  - Takes a long time
  - Expensive to pay someone to do the interview
  - Can be intimidating

### Questionnaire

- PROS
  - Cheap
  - Can be giving to lots of people
  - Easy to collect in
  - People can take their time
- CONS
  - People can misunderstand questions
  - People can leave questions
  - Might not do it altogether

## Face to face survey:



## Questionnaire:

### Service Feedback Restaurant Survey Questions

Please rate your satisfaction with our restaurant based on your visit here

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
The food quality exceeded my expectations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The food quality exceeded my expectations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ambiance of the restaurant was inviting.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The staff was professional and courteous.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overall, I had a positive dining experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Sample size

- The size of the sample is very important for getting accurate, statistically significant results and running your study successfully.
- **If your sample is too small** you won't get a fair picture of the whole population.
- **If the sample is too big**, the whole study becomes complex, expensive and time-consuming to run.

Thank you