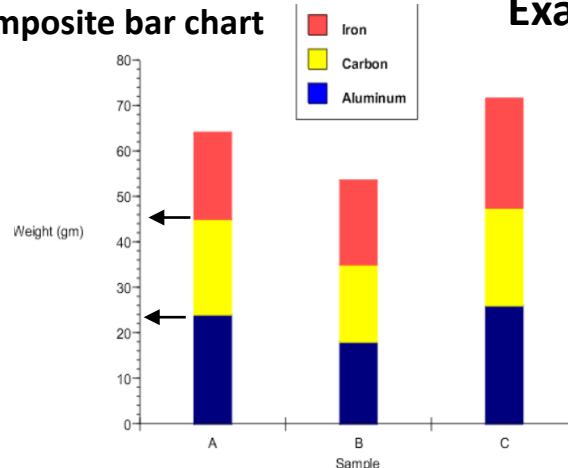# BAR CHARTS AND PICTOGRAMS
Statistics

Key Concepts

Bar charts are a visual representation of **categorical** data.

Composite bar charts are bar charts that display multiple data points stacked on top of one another.

Pictograms uses an image relating to a physical object to represent an amount. A **key** must be included to show the value of each picture.

15, 16

Key Words
Bar chart
Composite
Pictogram
Key
Categorical
Data set

Examples

Composite bar chart

Iron
Carbon
Aluminum

Weight (gm)

Sample

1) How much aluminium is in sample A? 24g
2) Hoe much carbon is in sample A?

46 – 24 = 22g

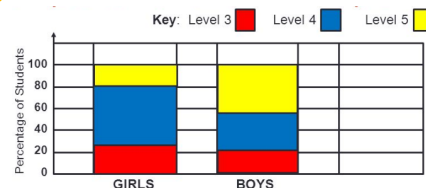Highest value for carbon in sample A.   Lowest value for carbon in sample A.

Pictogram

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

= 6 cupcakes

1) How many cupcakes were sold on Monday?
5 × 6 = 30 cupcakes
2) What does half a cupcake represent on the pictogram?
6 ÷ 2 = 3 cupcakes
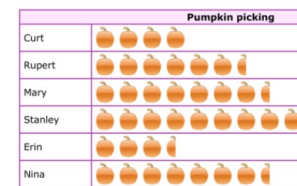3) How many cupcakes were sold on Thursday?
3.5 × 6 = 21 cupcakes

Key: Level 3   Level 4   Level 5

Percentage of Students

GIRLS   BOYS

1a) What percentage of boys are level 3?
b) What percentage of girls are level 4?

Pumpkin picking

Curt
Rupert
Mary
Stanley
Erin
Nina

Each = 2 pumpkins

2a) How many pumpkins were picked by Stanley?
b) What does half a pumpkin represent?
c) How many pumpkins were picked by Erin?

ANSWERS: 1a) 20% b) approximately 55%   2a) 18 b) 1 pumpkin c) 7