Generalitat de Catalunya
Departament d'Ensenyament
Institut La Ribera

DEURES D'ESTIU

MATÈRIA:	Matemàtiques (Anglès)
CURS:	

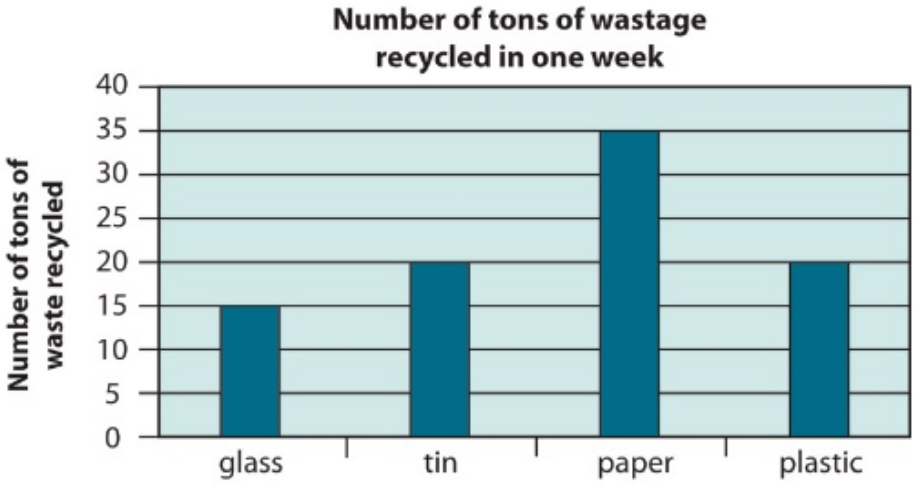
So, let's finally do some mathematics in English ;-)
Hoping you'll enjoy it, I wish you the best for these days,
Gloria

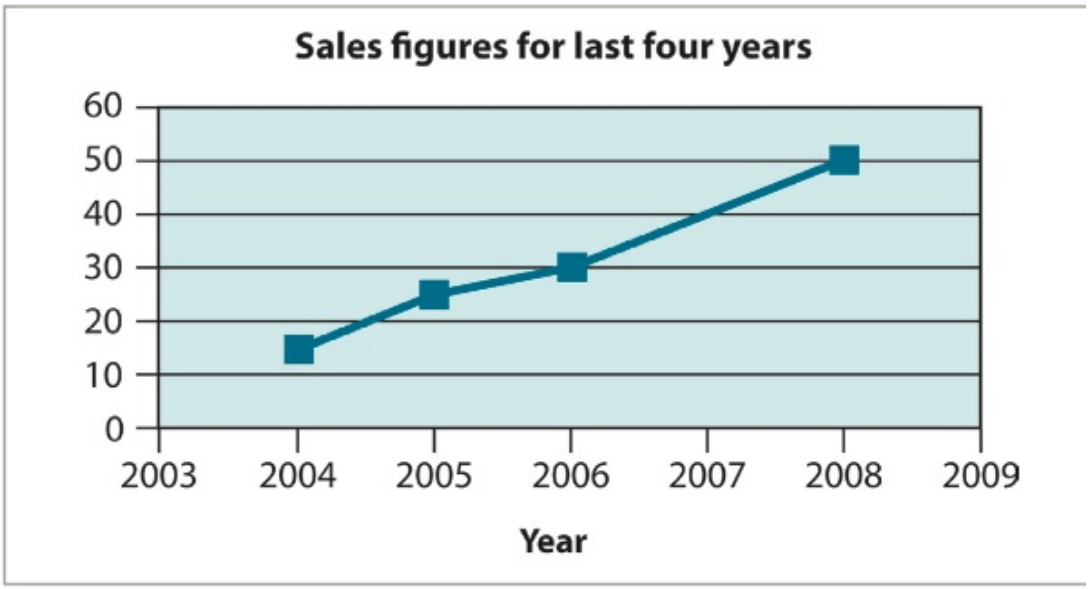
Task 1. The following graphical summaries have some missing features that are written in the attached cards.

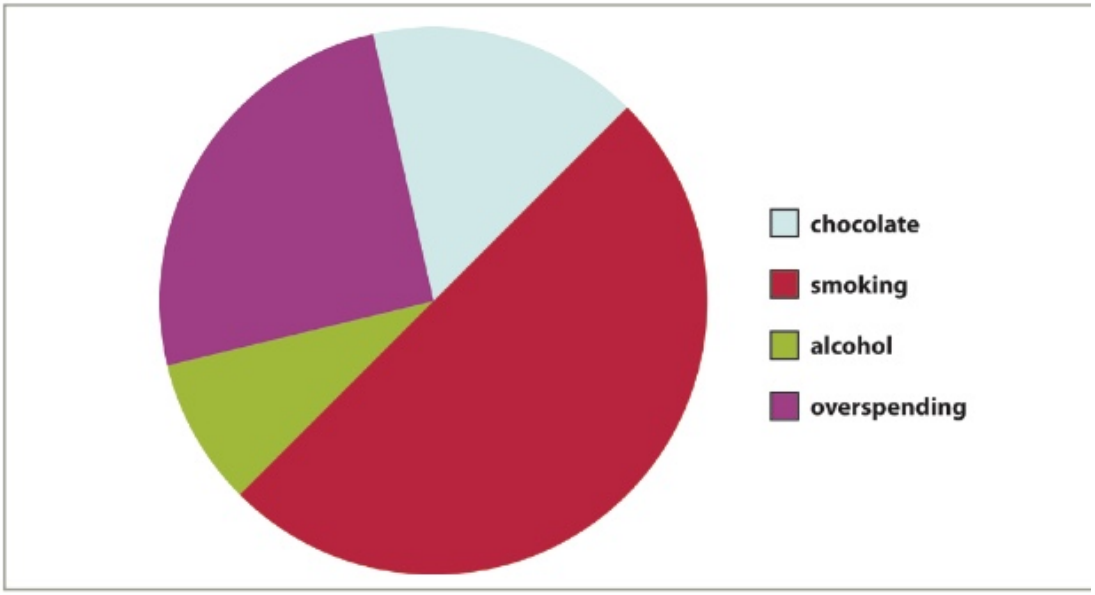
Paste both, the cards and the graphics, onto a piece of paper and to connect any matches by drawing in arrows between them.
Hint. There are some multiple matches.

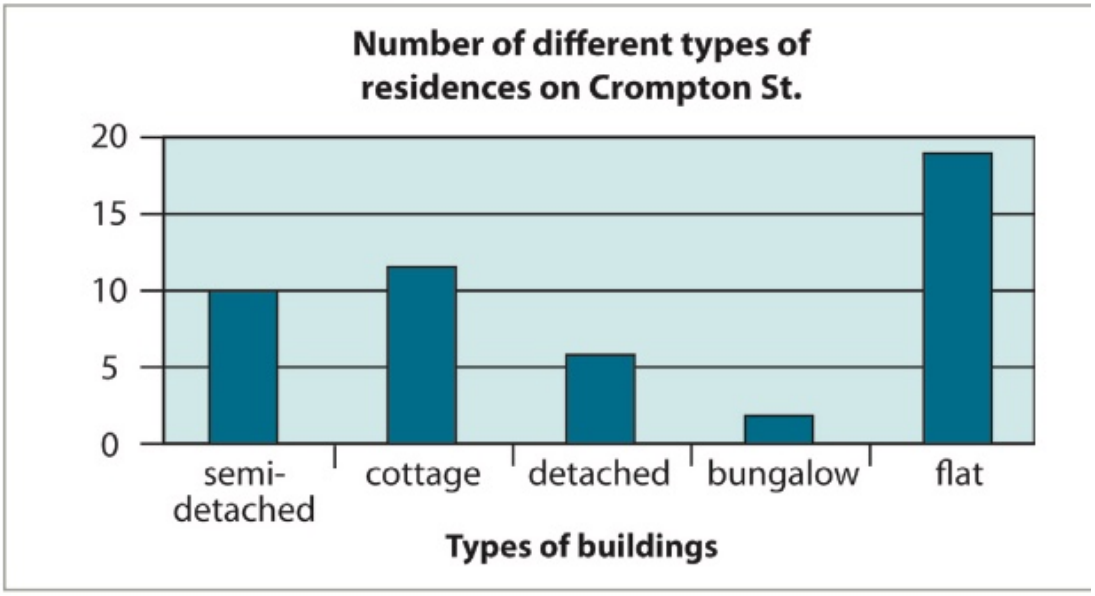
The key is missing.
The title is missing.
The horizontal axis is not labelled.
The vertical axis is not labelled.
The horizontal scale is inconsistent.
The vertical scale is inconsistent.

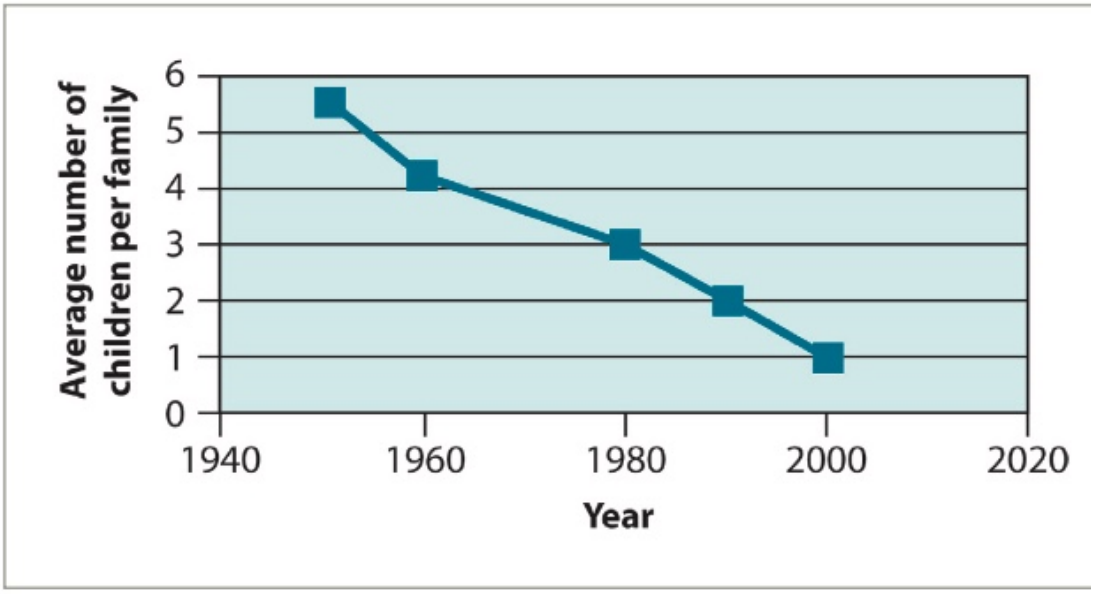
Number of mobile phones sold in a shop in one week
Mon
Tues
Wed
Thurs
Fri

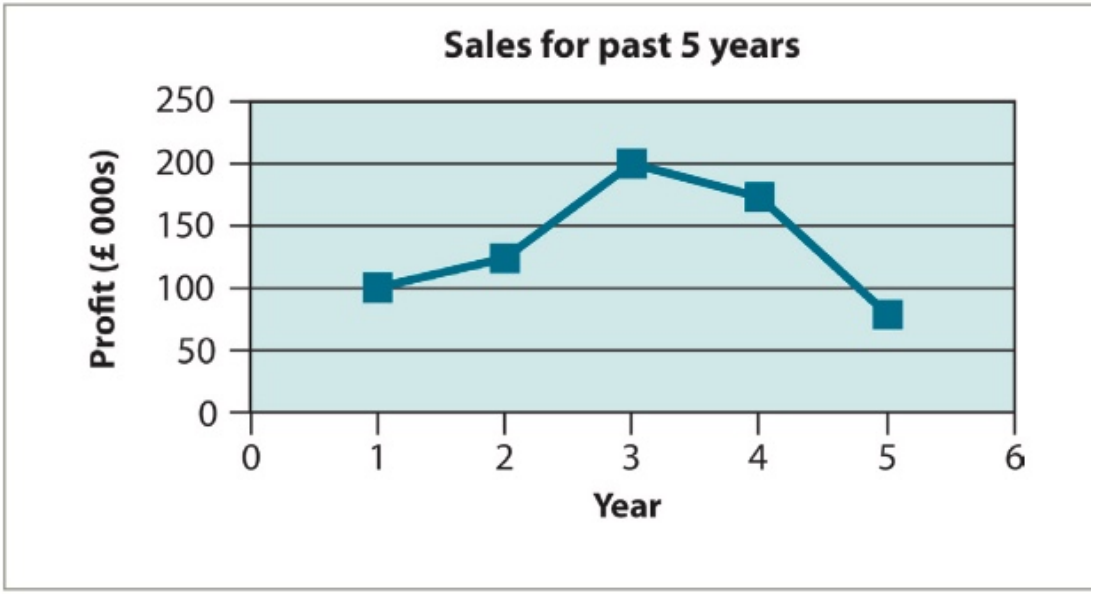

Number of tons of wastage recycled in one week
Number of tons of waste recycled
40
35
30
25
20
15
10
5
0
glass
tin
paper
plastic

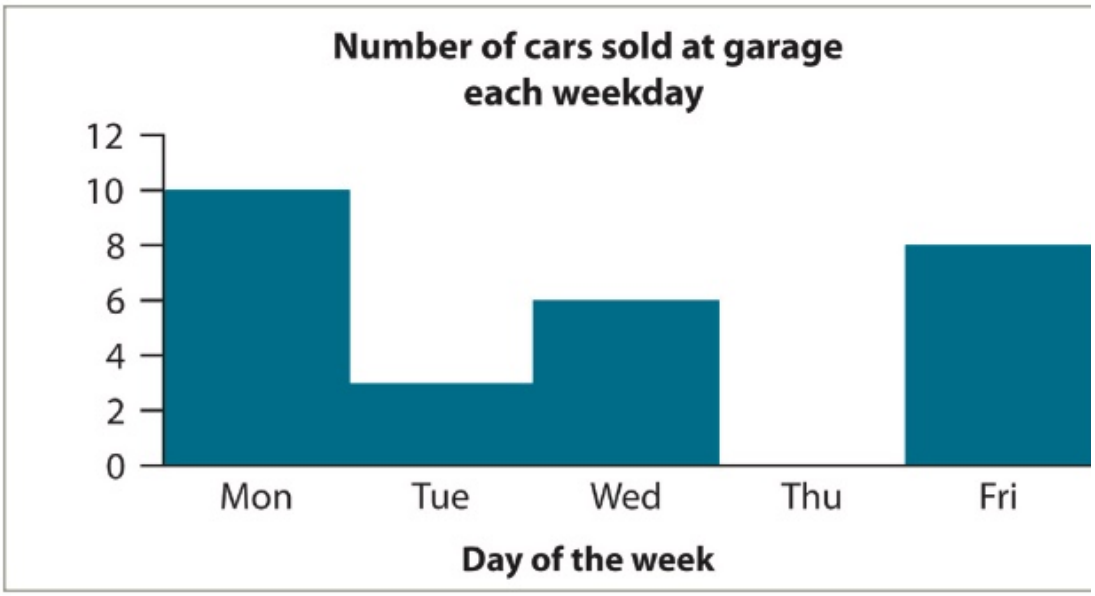

Sales figures for last four years
60
50
40
30
20
10
0
2003
2004
2005
2006
2007
2008
2009
Year

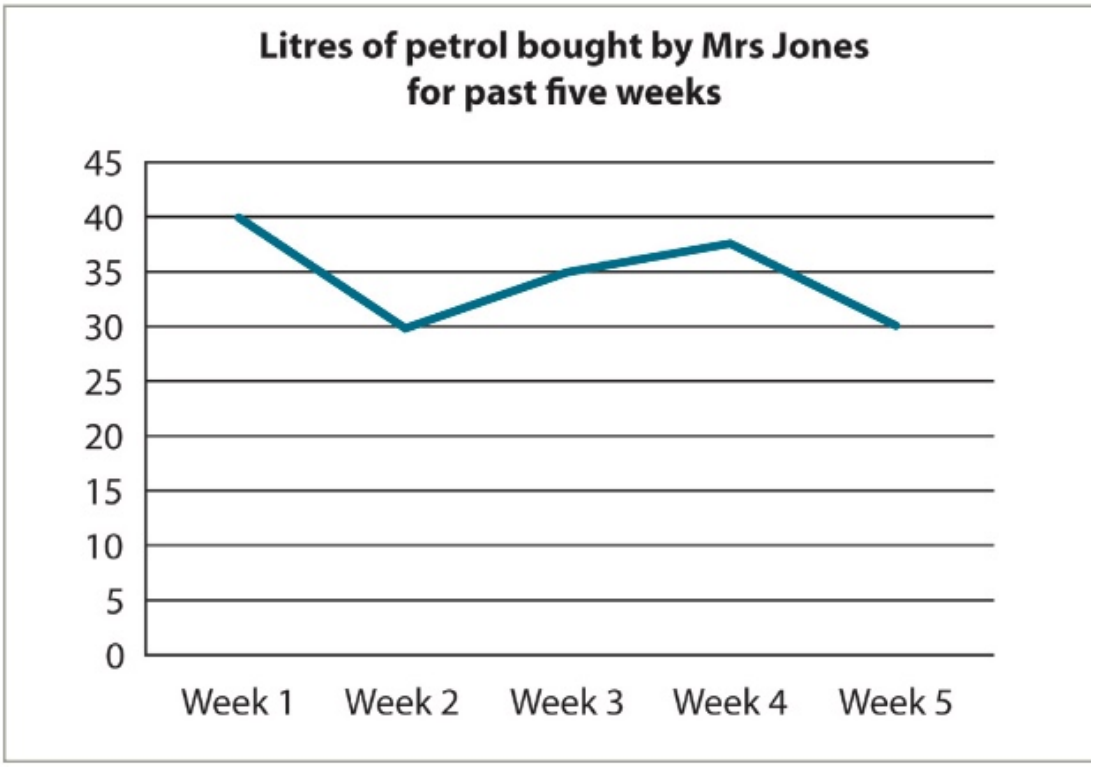

chocolate
smoking
alcohol
overspending

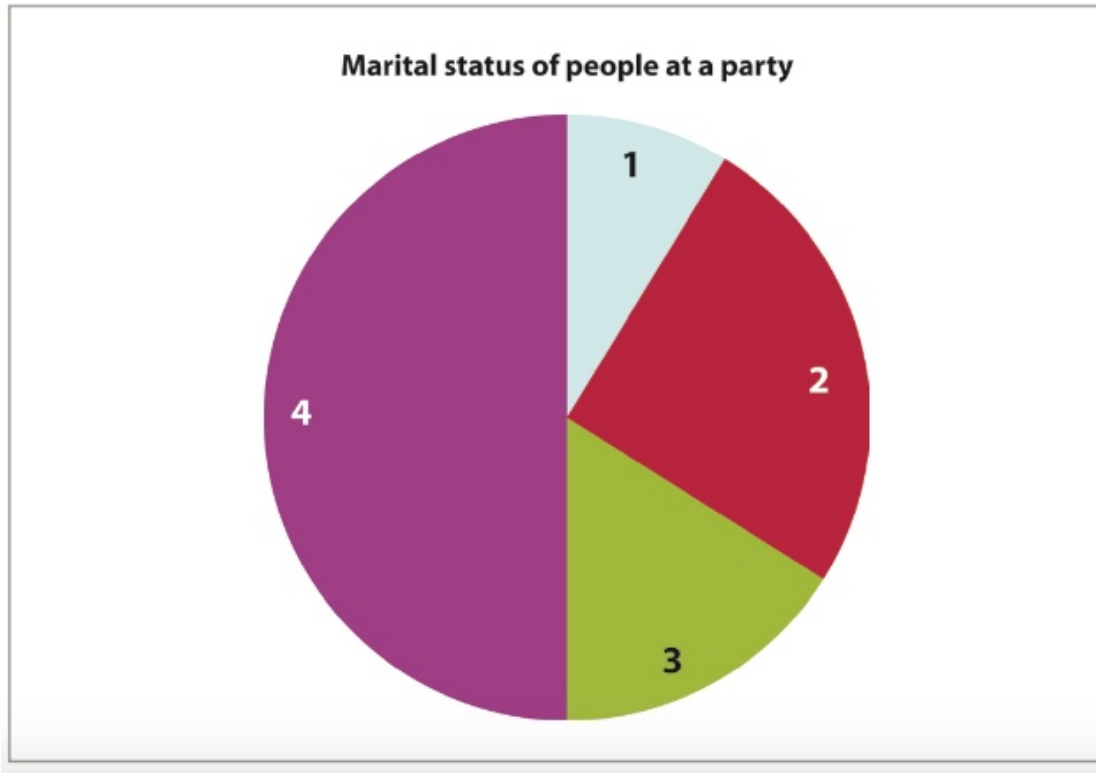

Number of different types of residences on Crompton St.
20
15
10
5
0
semi-detached
cottage
detached
bungalow
flat
Types of buildings


Average number of children per family
6
5
4
3
2
1
0
1940
1960
1980
2000
2020
Year


Sales for past 5 years
Profit (£ 000s)
250
200
150
100
50
0
0
1
2
3
4
5
6
Year


Number of cars sold at garage each weekday
12
10
8
6
4
2
0
Mon
Tue
Wed
Thu
Fri
Day of the week

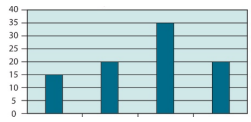




Task 2. Create appropriate titles and labels where they are missing and correct any inconsistent scales.

Task 3. Complete the following mind map, about graphical summaries, with the missing information. You can add as many forms as you need

Nominal



Steam and leaf diagram

And

display the key

Now it's time to take a look to your previous knowledge on statistics playing this "noughts and crosses" (3 en ratlla) game.

(Si no pots contactar amb cap company, no et preocupis: passa directament a la tasca 6 I ajuda't del Glossary que tens al final de la tasca 5 per fer-la!)

Task 4. Organize yourselves among the class (may you use some social network to do so) to split between two groups
My teammates are,

Task 5. Take a look to the following "noughts and crosses" in the blackboard. Next you find a copy of it,

Population	Frequency table	Ordinal variable
Bar chart	Sample	Mode
Median	Discrete data	Symmetry

Team A will compete against team B according to the following rules,

1. Toss a coin to fix who (group A or B) will be noughts and play first, and who will be crosses and play second.
2. The winner team chooses one word, each member writes his/her own definition in the given space of Task 6 and whispers together to agree on an explanation. They write this down in a card and explain it to their partner team (other group team).
3. If they agree (you teacher ggarci76@xtec.cat is the final judge…) the whole group writes a nought in the word box of the grid.
4. Now it's time for the crosses group.

Keep playing till one group completes a line and wins.

You can check the other team responses at this,

https://seniorsecondary.tki.org.nz/Mathematics-and-statistics/Glossary

Task 6. Write an explanation for the following words,

Bar chart:

Discrete data:

Frequency table:

Median:

Ordinal variable:

Population:

Sample:

Symmetry:

Mode: