

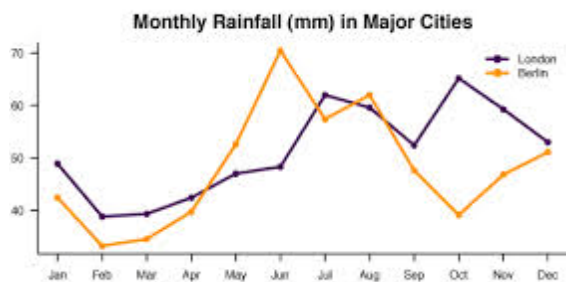
Watch the videoclip below:

‘Hans Rosling's 200 Countries, 200 Years, 4 Minutes - The Joy of Stats - BBC Four’

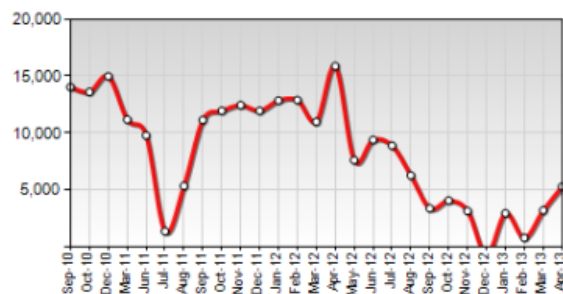
<https://www.youtube.com/watch?v=jbkSRLYSojo>

# GRAPHS, TRENDS & STATISTICS

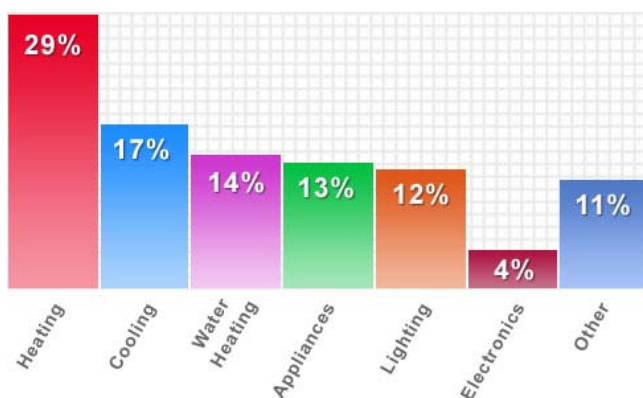
1) Which of the drawings below shows (a) a single line graph; (b) a multiple line graph; (c) a flow chart; (d) a bubble diagram; (e) a single bar chart; (f) a paired bar chart; (g) a stacked bar chart; (h) a pie chart; (i) a donut chart.



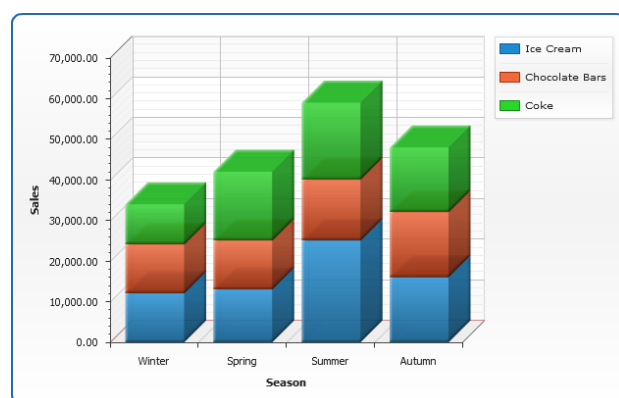
i)



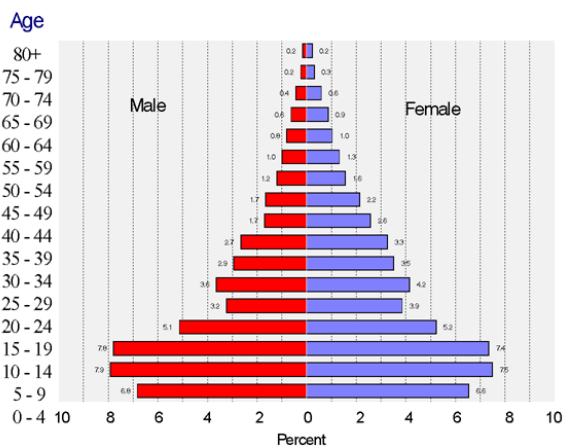
ii)



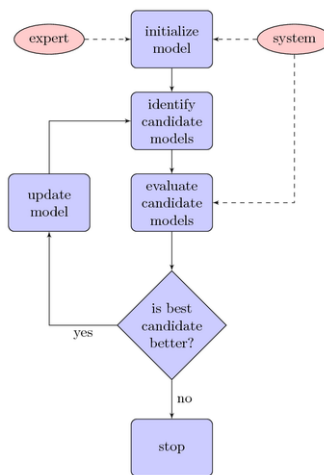
iii)



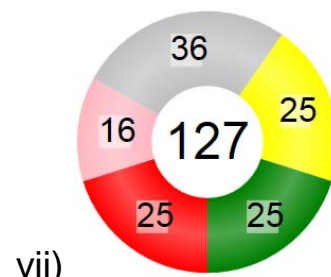
iv)



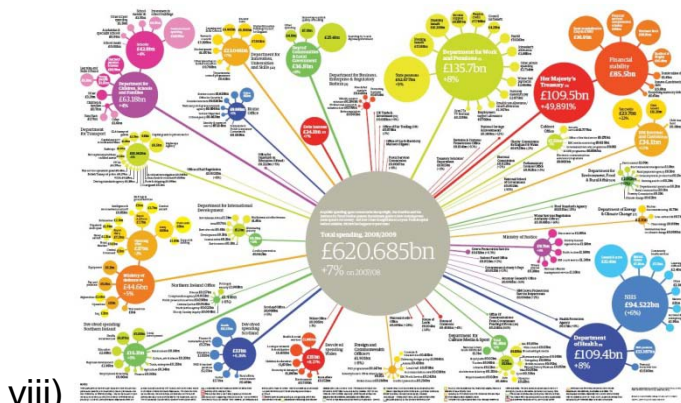
v)



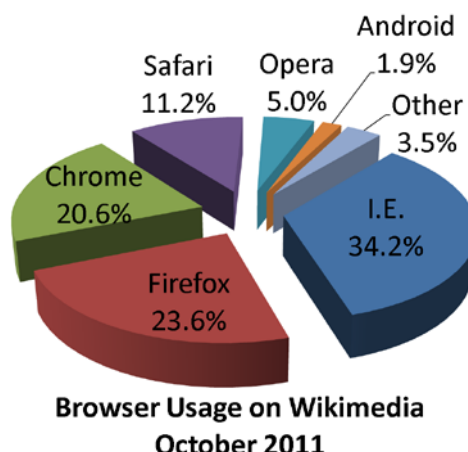
vi)



vii)

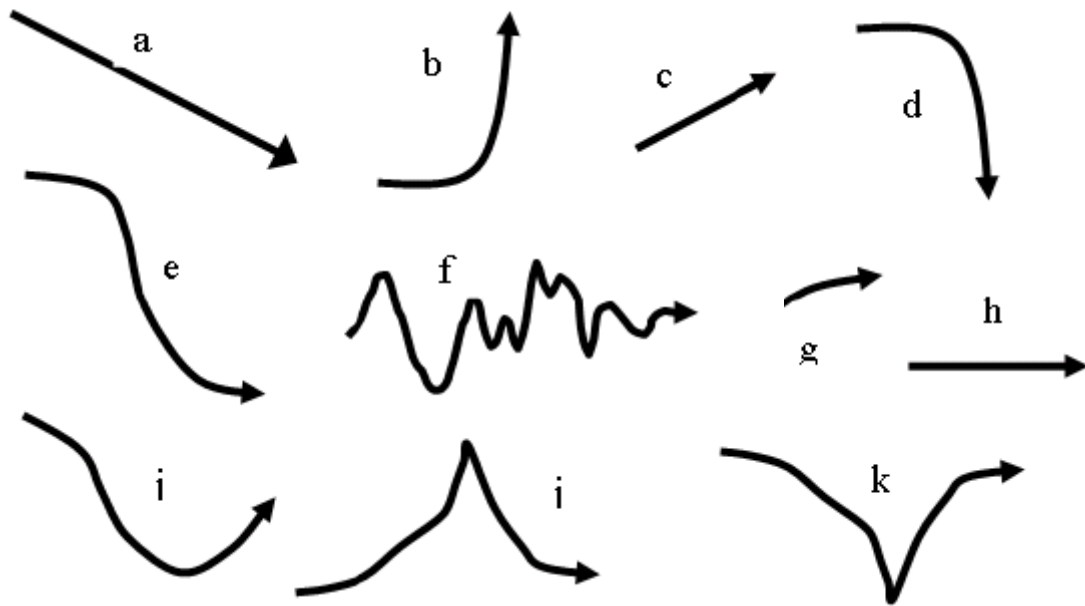


viii)



ix)

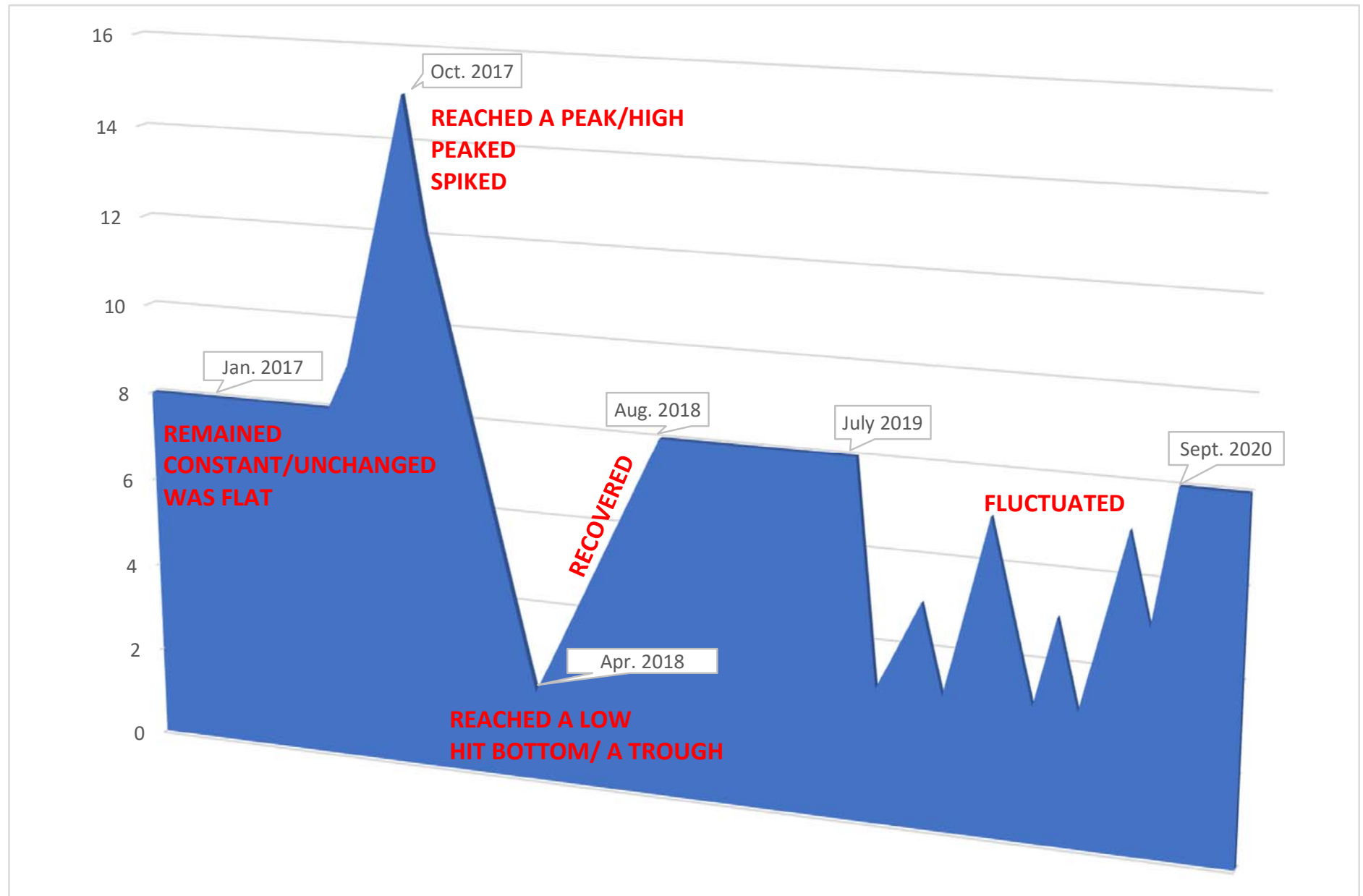
## DESCRIBING LINE GRAPHS



i) Complete sentences a-k with phrases i-xi.

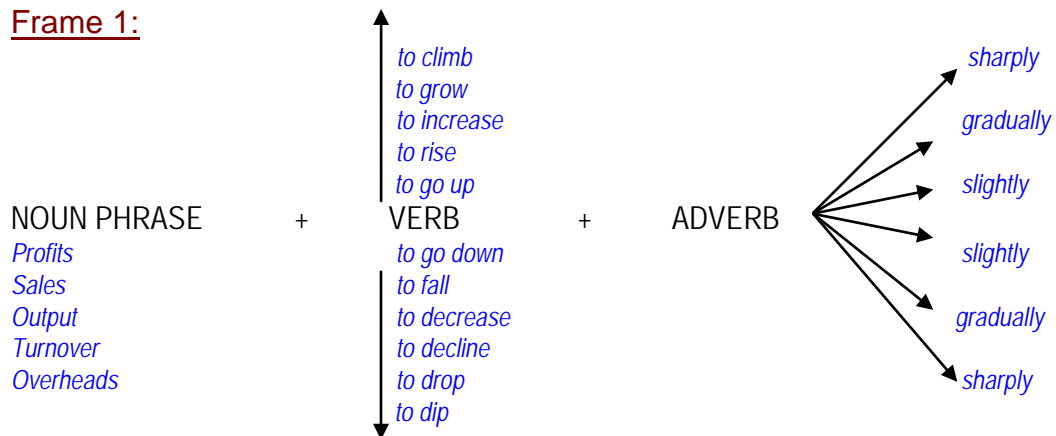
For example, a) *Overheads decreased gradually*

|                 |   |
|-----------------|---|
| a) Overheads    | i) remained constant / remained unchanged / was flat. |
| b) Unemployment | ii) fluctuated.                                       |
| c) Profits      | iii) reached a peak / reached a high / spiked.        |
| d) Output       | iv) reached a low / hit a trough / hit bottom.        |
| e) Sales        | v) rose sharply.                                      |
| f) Prices       | vi) fell sharply.                                     |
| g) Costs        | vii) increased gradually.                             |
| h) Supply       | viii) decreased gradually.                            |
| i) Demand       | ix) went up slightly.                                 |
| j) Turnover     | x) slumped.   |
| k) Losses       | xi) dipped and then recovered.                        |

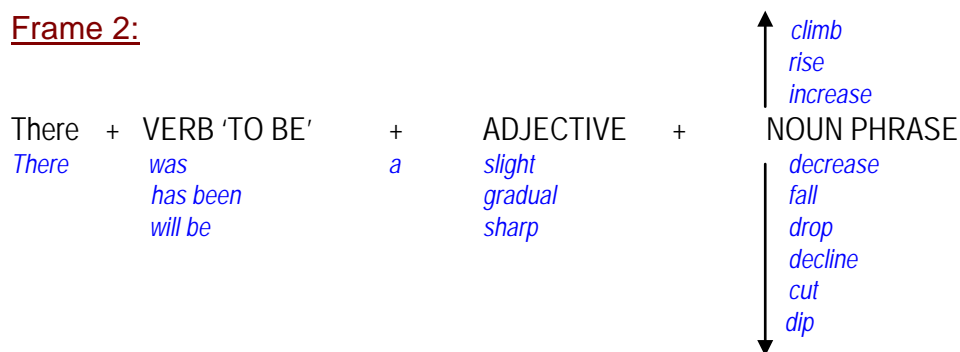


## Describing Trends

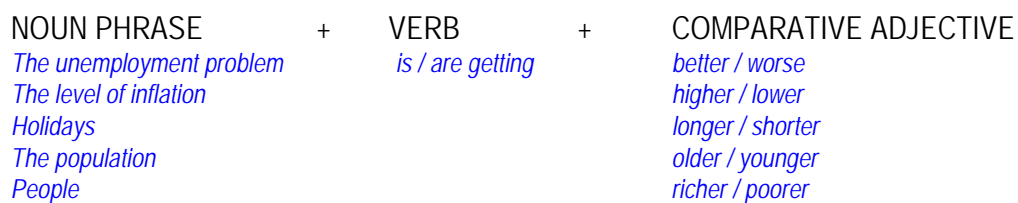
### Frame 1:



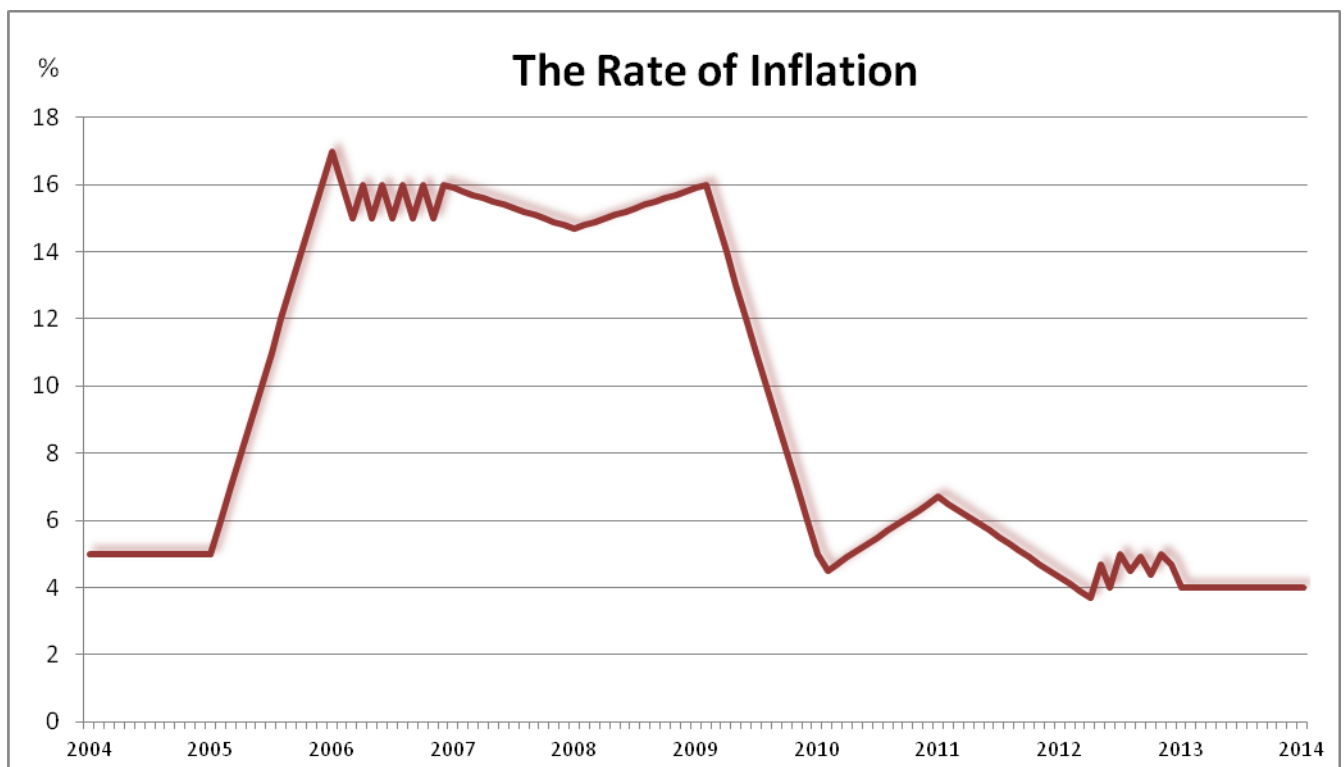
### Frame 2:



### Frame 3:

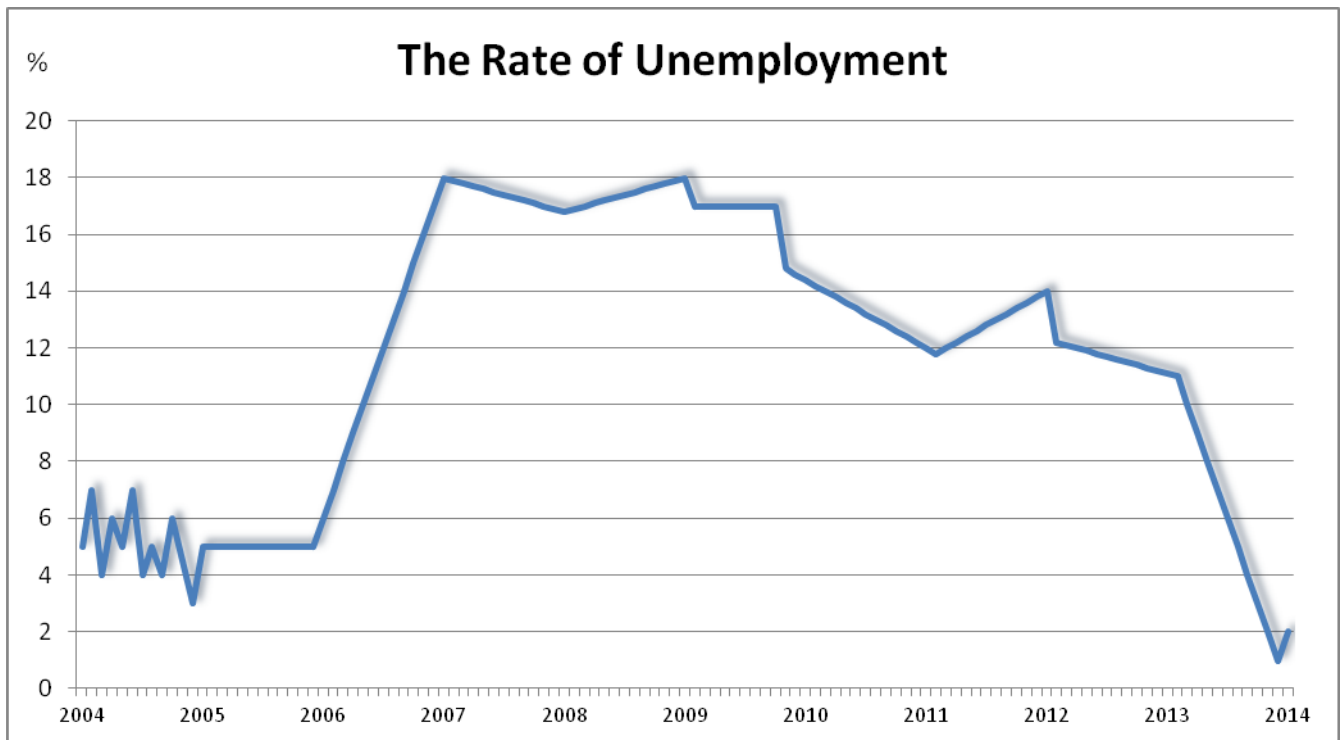


## DESCRIBING GRAPHS



1) The graph above shows the rate of inflation from 2004-2014. Now complete these sentences:

- a) From 2004 to 2005, the rate of inflation .....
- b) From 2005 to 2006, .....
- c) In 2006, .....
- d) From 2006 to 2007, .....
- e) From 2007 to 2008, .....
- f) From 2008 to 2009, .....
- g) In 2009, .....
- h) From 2009 until 2010, .....
- i) In 2010, .....
- j) From 2010 to 2011, .....
- k) In 2011, .....
- l) From 2011 until 2012, .....
- m) In 2012, .....
- n) From 2012 to 2013, .....
- o) From 2013 to 2014, .....



2) The graph above shows the rate of unemployment from 2004-2014. Now complete these sentences:

- a) From 2004 to 2005, the rate of unemployment .....
- b) In 2005, .....
- c) From 2005 to 2006, .....
- d) From 2006 to 2007, .....
- e) In 2007, .....
- f) From 2007 to 2008, .....
- g) From 2008 to 2009, .....
- h) In 2009, .....
- i) From 2009 until 2010, .....
- j) From 2010 to 2011, .....
- k) From 2011 until 2012, .....
- l) In 2012, .....
- m) From 2012 to 2013, .....
- n) From 2013 to 2014, .....
- o) In December 2013, .....

2) Listen and complete the table below.

| ITALY IN FIGURES                       | 1961 | 1981 | Now |
|--|------|------|-----|
| Population                             |      |      |     |
| Average Number of Children Per Family  |      |      |     |
| Average age of first-time mothers      |      |      |     |
| Number of Marriages                    |      |      |     |
| Number of Divorces                     |      |      |     |
| Average life expectancy for men        |      |      |     |
| Average life expectancy for women      |      |      |     |
| Infant mortality                       |      |      |     |
| Deaths from infectious diseases        |      |      |     |
| Overweight and obesity rates for boys  |      |      |     |
| Overweight and obesity rates for girls |      |      |     |

3) Now describe ten trends using the NOUN PHRASE + VERB + COMPARATIVE ADJECTIVE pattern shown here.

#### NOUN PHRASE

#### VERB

#### COMPARATIVE ADJECTIVE

The population

is getting

older / younger

Families

are getting

bigger / smaller

Mothers

is becoming

safer / more dangerous

Marriage

are becoming

fatter / thinner

Divorce

healthier / less healthy

Men

better / worse

Women

more popular / less popular

Boys

Girls

People

Childbirth

Medical care



## ADJECTIVE / COMPARATIVE / SUPERLATIVE

### 1) SPELLING: adjectives fall into six categories

|     |           |                |                    |
|-----|-----------|----------------|--------------------|
| i   | High      | Higher         | The Highest        |
|     | Clean     | Cleaner        | The Cleanest       |
| ii  | Large     | Larger         | The Largest        |
|     | Late      | Later          | The Latest         |
| iii | Big       | Bigger         | The Biggest        |
|     | Hot       | Hotter         | The Hottest        |
| iv  | Dirty     | Dirtier        | The Dirtiest       |
|     | Shiny     | Shinier        | The Shiniest       |
| v   | Good      | Better         | The Best           |
|     | Bad       | Worse          | The Worst          |
|     | Far       | Farther        | The Farthest       |
|     |           | Further        | The Furthest       |
|     | Some      | More           | The Most           |
|     |           | Less           | The Least          |
|     | Few       | Fewer          | The Fewest         |
| vi  | Expensive | More Expensive | The Most Expensive |
|     | Famous    | More Famous    | The Most Famous    |

### 2) Video Comprehension:

Watch the Top Gear video: <https://www.youtube.com/watch?v=h8R7kZGvAUk>

It's petrol vs petrol vs petrol vs electric as the new Tesla Model 3 Performance takes on the BMW M3, the Mercedes C63 S and the Alfa Romeo Giulia Quadrifoglio in a drag race and handling tests.

The Tesla Model 3 Performance

The BMW M3

The Mercedes C63 S

The Alfa Romeo Giulia Quadrifoglio

### 3) Now compare the four cars above using the adjectives shown below:

Fast, noisy, manoeuvrable, comfortable, good handling, quick, far, stylish, good-looking, beautiful, nice to drive, agile, nimble, lazy, soft, ugly, economical, good/bad for the environment.

#### 4) Describing Trends

Look at the following graphics concerning Apple products and write sentences describing the trends you can see using this pattern:

NOUN PHRASE + VERB + COMPARATIVE ADJECTIVE

Comment on, Apple products in general, the iPad, iPhones, battery life, picture quality, sound, water-resistance etc.

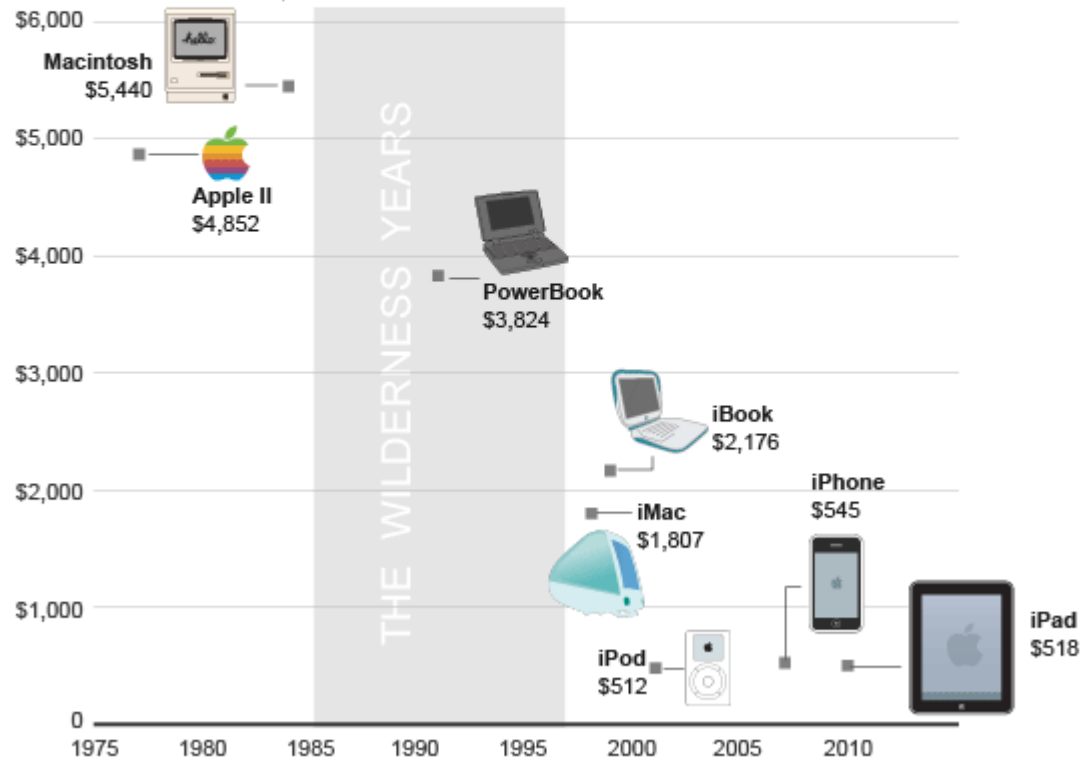
Use adjectives, comparatives and superlatives derived from words like this:

|            |       |        |         |                            |             |           |
|------------|-------|--------|---------|----------------------------|-------------|-----------|
| Small      | Big   | Cheap  | Fast    | Heavy                      | Fashionable | Expensive |
| Profitable | Light | More   | Less    | Good                       | Attractive  | Colourful |
| Long       | Large | Pretty | Popular | Bad / Good value for money |             |           |



LaserWriter  
\$14,727

## Launch price of Apple products in 2011 dollars



### iPad 3

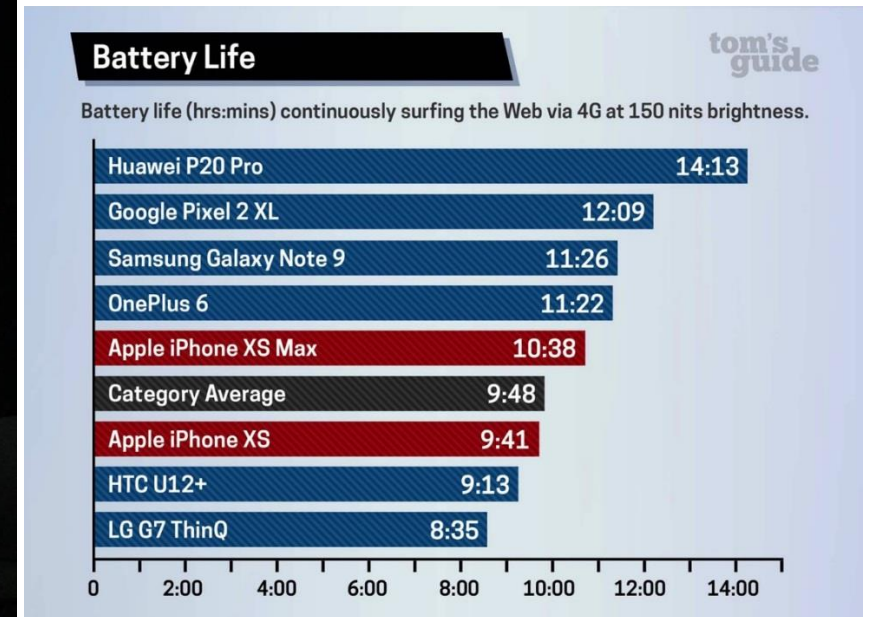
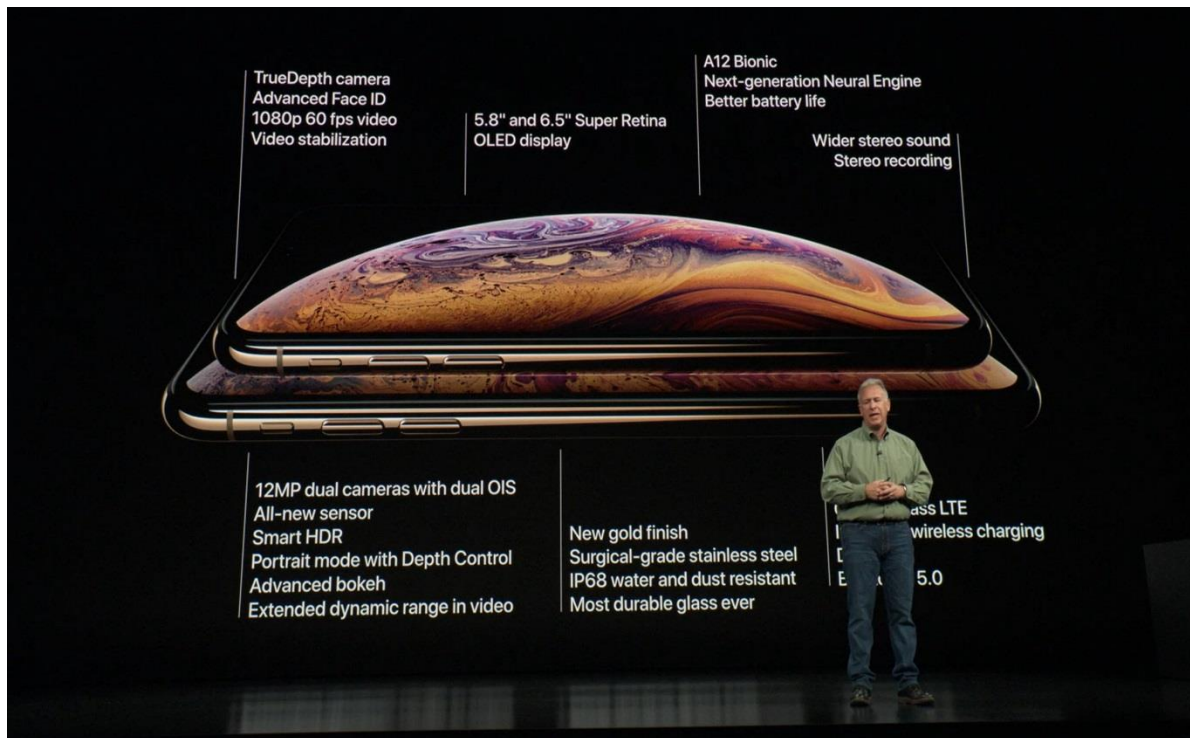
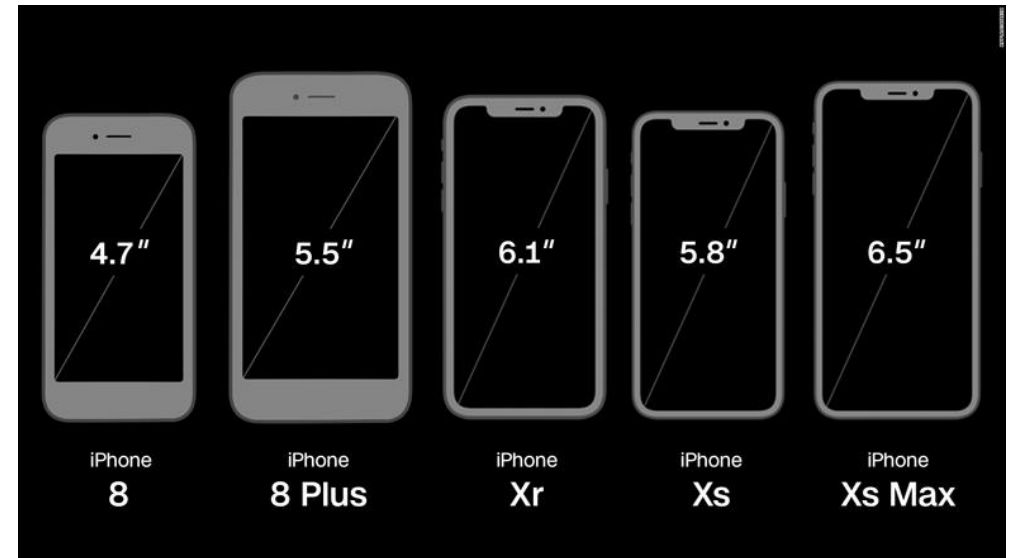
More Thinner. More Lighter. More Faster. BestTime. Intelligent Covers. 24-hour battery.  
Coming March 3 2012. Starting at \$499.

Prediction by Rames  
ramesblogspot.com

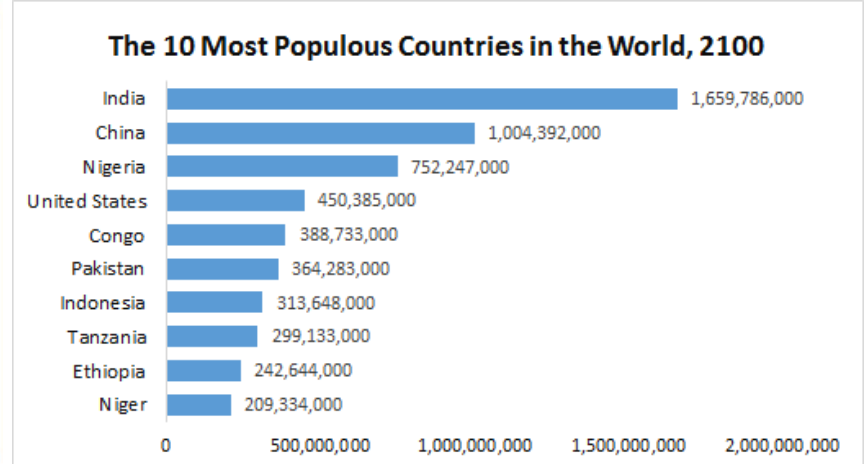
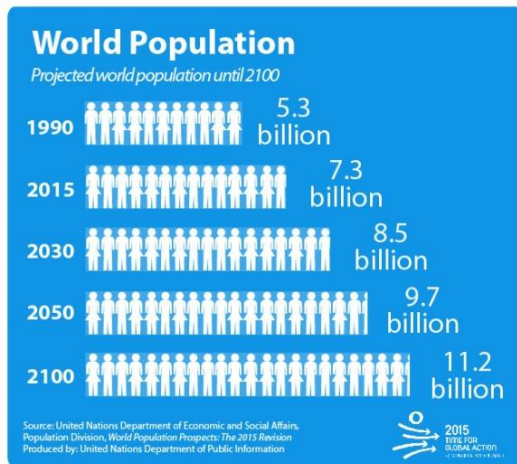


### iPad 2

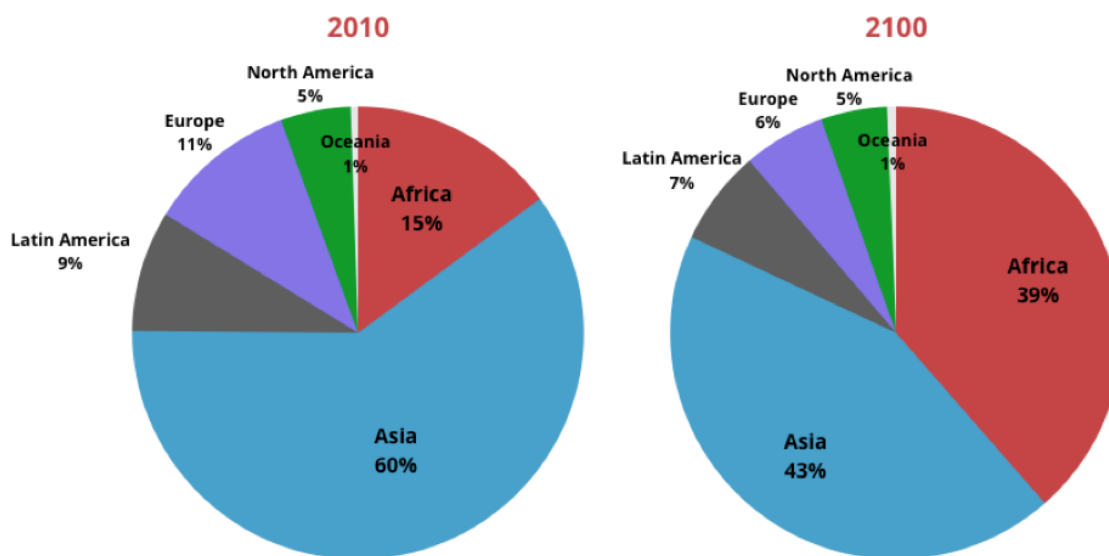
Thinner. Lighter. Faster. FaceTime. Smart Covers. 10-hour battery.  
Coming March 11. Starting at \$499.



First, watch this video: [https://www.youtube.com/watch?v=6vL1\\_kCX6qg](https://www.youtube.com/watch?v=6vL1_kCX6qg)



### Population by Continent



UN Medium Fertility Projection

### MOST POPULOUS COUNTRIES, 2010 AND 2050

| 2010          |                       |
|---------------|-----------------------|
| COUNTRY       | POPULATION (MILLIONS) |
| China         | 1,338                 |
| India         | 1,189                 |
| United States | 310                   |
| Indonesia     | 235                   |
| Brazil        | 193                   |
| Pakistan      | 185                   |
| Bangladesh    | 164                   |
| Nigeria       | 158                   |
| Russia        | 142                   |
| Japan         | 127                   |

| 2050             |                       |
|------------------|-----------------------|
| COUNTRY          | POPULATION (MILLIONS) |
| India            | 1,748                 |
| China            | 1,437                 |
| United States    | 423                   |
| Pakistan         | 335                   |
| Nigeria          | 326                   |
| Indonesia        | 309                   |
| Bangladesh       | 222                   |
| Brazil           | 215                   |
| Ethiopia         | 174                   |
| Congo, Dem. Rep. | 166                   |