## Interpreting Data: <br> Greenhouse Gas Emissions



## Percentages

A percentage describes a part of a total amount.

In a test you might score 75 out of a total possible score of 100.

Your results would be 75\% correct.


If the test had 200 questions and you answered150 questions correctly...

What percentage would you have correct?
percentage $=\xrightarrow{\substack{\text { Theamount } \\ \text { youncoev } \\ \text { corect }}} 150$ X 100

The total
amount of
= ?

## Working Out Percentages:

## Countries Most Contributing to Greenhouse Gas Emissions

## World Total CO2 Emissions:

## 36240721 Ktons

| Country | CO2 Emissions in Ktons | Country | CO2 Emissions in Ktons |
| :--- | :--- | :--- | :--- |
| China | 10641788.99 | Saudi Arabia | 505565.10 |
| USA | 5172337.73 | Indonesia | 502961.30 |
| European Union 28 | 3469670.82 | Brazil | 486229.08 |
| India | 2454968.12 | Mexico | 472017.79 |
| Russian Federation | 1760895.31 | Australia | 446348.29 |
| Japan | 1252889.87 | South Africa | 417160.99 |
| Germany | 777905.50 | United Kingdom | 398524.37 |
| Iran | 633749.58 | Turkey | 357157.41 |
| Republic of Korea | 617284.88 | Italy | 352885.93 |
| Canada | 555400.90 | France | 327787.26 |

Source: EDGARv4.3.2, European Commission, Joint Research Centre (JRC)/PBL Netherlands Environmental Assessment Agency. Emission Database for Global Atmospheric Research (EDGAR)

## What percentage of the World's total CO2 Emissions does Australia contribute?



Which buttons will you press to calculate this answer?
percentage $=\underline{446348.29} \times 100=?$
36240721

## How to use the percentage button on a calculator:

You can fast track your calculations if your calculator has a percentage button.


To fast-track:
Press the
percentage \%
$150 \div 2 \% 0 \%$
button instead
instead of:
$x$ 0 0

