Use vocabulary from previous year and extend to: recurring decimal…

Round positive whole numbers to a given power of 10, in mathematics and in other subjects.
For example:

• This chart shows the estimated population of six countries. Write in figures the approximate population of each country.
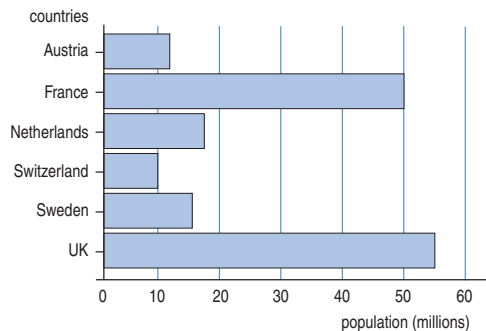
• On the chart above, Sweden is recorded as having an estimated population of 15 million. What is the highest/lowest population that it could actually have?

• There are 1 264 317 people out of work.
Politician A says: 'We have just over 1 million people out of work.'
Politician B says: 'We have nearly one and a half million people out of work.'
Who is more accurate, and why?

Use vocabulary from previous years and extend to: significant figures, upper and lower bounds…
Read and write the 'approximately equal to' sign (≈).

Use rounding to make estimates.

For example:

• The population of the world is about 5300 million.

The approximate populations of the four largest cities are:

Mexico City	21.5 million
Sao Paulo	19.9 million
Tokyo	19.5 million
New York	15.7 million

The tenth largest city is Rio de Janeiro with a population of 11.9 million.

Estimate the percentage of the world's population which lives in the ten largest cities.

• A heavy metal in water kills fish when it reaches levels of more than 4 parts per million.
A lake contains 4.7 megalitres of water.
How much heavy metal can be in the water for the fish to be safe, if 1 litre of the heavy metal has a mass of 2.4 kg?