

NUMBERS AND THE NUMBER SYSTEM

Pupils should be taught to:

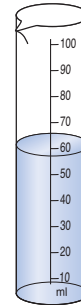
Round numbers, including to a given number of decimal places

As outcomes, Year 7 pupils should, for example:

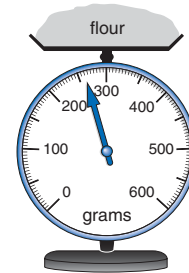
Use, read and write, spelling correctly:
round, nearest, to one decimal place (1 d.p.)... approximately...

Round positive whole numbers to the nearest 10, 100 or 1000, in mathematics and subjects such as science, design and technology, geography... For example:

- What is the volume of the liquid in the measuring cylinder to the nearest 10 ml?



- What is the mass of the flour to the nearest 100 g?
Estimate the mass of the flour to the nearest 10g.



- How long is the rope to:
 - a. the nearest 10 cm?
 - b. the nearest 100cm?
 - c. the nearest cm?
 - d. the nearest mm?



- How many people visited the Dome to the nearest 100? Was the headline correct?

The Daily Record 10 Feb

Nearly 20 thousand people visit Dome



15,437 people visited the Dome yesterday.

In other subjects, round whole numbers to the nearest 10, 100 or 1000 in order to classify them or put them in order. For example:

- In geography, round and then place in order: populations of towns, heights of mountains, weather data...
- In science, round and then place in order: the proportion of lead in the air at different places, the diameters of the planets...
- In design and technology, round and then place in order: the grams of fat in different foods...