As outcomes, Year 5 pupils should, for example:

Use, read and write, spelling correctly:
decimal fraction, decimal, decimal point, decimal place…

Respond to questions such as:

- What does the digit 6 in 3.64 represent? The 4?
- What is the 4 worth in the number 7.45? The 5?

- Write the decimal fraction equivalent to:
  two tenths and five hundredths;
  twenty-nine hundredths;
  fifteen and nine hundredths.

- Using a calculator, in one step (operation), change:
  7.82 to 7.86… 15.35 to 15.75…
  5.3 to 53… 89 to 8.9…

- Continue the pattern: 1.2, 1.4, 1.6, 1.8…

- Put these in order, largest/smallest first:
  5.51, 3.75, 7.35, 5.73, 3.77;
  1.21 m, 2.25 m, 1.25 m, 1.52 m.

- Place these decimals on a line from 6.9 to 7.1:
  6.93, 6.91, 6.99, 7.01, 7.06.

- Suggest a decimal fraction between 4.1 and 4.2.

- Use a computer program to zoom in and out of a number line, and position and order decimals.

Begin to convert halves of a metric unit to a smaller unit, and vice versa. For example, write:
7.5 m in centimetres (750 centimetres);
8.5 cm in millimetres (85 millimetres);
3.5 kg in grams (3500 grams).

In the context of word problems, work out calculations involving mixed units such as:
3 kilograms ± 150 grams
6.5 metres ± 40 centimetres

See also multiplying and dividing by 10, 100 or 1000 (page 7).

As outcomes, Year 6 pupils should, for example:

Use, read and write, spelling correctly:
decimal fraction, decimal, decimal point, decimal place…

Respond to questions such as:

- What does the digit 5 in 3.645 represent? And the 4? And the 6?

- Write the decimal fraction equivalent to:
  two tenths, five hundredths and nine thousandths;
  eight and seven thousandths;
  sixteen and twenty-nine thousandths.

- Using a calculator, in one step (operation), change:
  4.7 to 470… 530 to 5.3…
  0.3 to 0.03… 7 to 0.07… 60 to 0.6…

- Continue the pattern: 1.92, 1.94, 1.96, 1.98…

- Put these in order, largest/smallest first:
  5.25, 15.3, 5.78, 5.87, 5.2;
  1.5, 1.375, 1.4, 1.3, 1.35, 1.425;
  7.765, 7.675, 6.765, 7.756, 6.776;
  and other sets involving measures.

- Suggest a decimal fraction between 4.17 and 4.18.

- Use a computer program to zoom in and out of a number line, and position and order decimals.

Convert a larger metric unit to a smaller.
For example, write:
3.125 km in metres (3125 metres);
1.25 litres in millilitres (1250 millilitres).

Begin to convert halves, quarters, tenths, hundredths to a larger unit. For example, write:
750 grams in kilograms (0.75 kilograms);
300 millilitres in litres (0.3 litres);
3 centimetres in metres (0.03 metres).

In the context of word problems, work out calculations involving mixed units such as:
1.3 litres ± 300 millilitres
3565 grams ± 2.5 kilograms…

See also multiplying and dividing by 10, 100 or 1000 (page 7).