

Rounding to decimal places

Rounding to decimal places is exactly like rounding whole numbers - you just have more numbers (and therefore greater accuracy).

3.248

3 is the units digit.

2 is worth 2 tenths, and is the **first** decimal place.

4 is worth 4 hundredths, and is the **second** decimal place.

8 is worth 8 thousandths, and is the **third** decimal place.

You will sometimes see "decimal place" shortened to "d.p."

3.248 rounded to 1 d.p.

3.248 3.2|48 → 3.2

1st dp
3.2

Look at the next digit.
4 stays down - stay at 3.2.

3.248 rounded to 2 d.p.

3.248 3.24|8 → 3.25

2nd dp
3.24

Look at the next digit.
8 rounds up - go to 3.25