

### 3.2 Cardinal numbers 100 +

101	hundert(und)eins	2 000	zweitausend
121	hunderteinundzwanzig	100 000	hunderttausend
1 000	(ein)tausend	1 000 000	eine Million
1 001	tausend(und)eins	1 000 000 000	eine Milliarde

- **Eins** retains the **s** at the end of a compound number.
- Thousands and millions are separated by a space or a full stop, not by a comma as in English:  
3 789 560                      10.594

### 3.3 Ordinal numbers

1. erste	11. elfte	20. zwanzigste
2. zweite	12. zwölfte	21. einundzwanzigste
3. dritte	13. dreizehnte	30. dreißigste
4. vierte	14. vierzehnte	40. vierzigste
5. fünfte	15. fünfzehnte	50. fünfzigste
6. sechste	16. sechzehnte	60. sechzigste
7. siebte	17. siebzehnte	70. siebzigste
8. achte	18. achtzehnte	80. achtzigste
9. neunte	19. neunzehnte	90. neunzigste
10. zehnte		100. (ein)hundertste

- The ordinal numbers (*first, second, third*, etc.) between 1st and 19th are formed by adding **-te** to the cardinals, those from 20th to 100th by adding **-ste**. The same pattern is repeated for numbers over 100.
- The forms **erste**, **dritte**, **siebte** and **achte** are irregular.
- The full stop after an ordinal number equates to **-st**, **-nd** or **-th**:  
1. = 1st            2. = 2nd            4. = 4th

- Ordinal numbers are almost always preceded by the definite article and change to agree with a noun, like adjectives (9.2):  
Den zweiten Januar halte    I'm keeping 2nd January  
ich mir frei.                      free.

### 3.4 Other numerical forms

- **erstens** (*first/firstly*), **zweitens** (*secondly*), **drittens** (*thirdly*) etc. are formed by adding **-ens** to the stem of the ordinal number (**erst-**, **zweit-**, **dritt-** etc.).
- **zu zweit**, **zu dritt**, **zu viert** (*in twos, threes, fours*) etc. simply use the stem of the ordinal number.
- **einmal** (*once*), **zweimal** (*twice*), **dreimal** (*three times*) etc. are formed by adding **-mal** to the cardinal number. Note that **eins** becomes **ein-**.
- **einfach** (*single*), **zweifach** (*twofold*), **dreifach** (*threefold*) etc. are similarly formed by adding **-fach** to the cardinal number.

### 3.5 Fractions

- **3.5.1** Most fractions are formed by adding **-el** to the ordinal stem. They can be used as
  - invariable adjectives (i.e. they add no endings):  
ein drittel Liter                      a third of a litre  
ein viertel Pfund                      a quarter of a pound
  - neuter nouns:  
Ein Fünftel der Studenten    A fifth of the students  
fielen beim Examen durch.    failed the exam.