| Sequences |
| :--- |
| Term - each number or object in a sequence. |
|  |
| Linear sequence - a number pattern that increases |

or decreases by a common difference each time.

Common difference - the amount a linear sequence increases or decreases by. e.g. $1,5,9,13$... has a common difference of +4 .


Geometric sequence - a number pattern made by multiplying by the same value each time.
They are non-linear.


Ascending - smallest to largest.
Descending - largest to smallest.

## FDP Equivalences

Tenth $=\frac{1}{10}=0.1=10 \%$

Hundredth $=\frac{1}{100}=0.01=1 \%$

Half $=\frac{1}{2}=0.5=50 \%$

Third $=\frac{1}{3}=0.333333 \ldots=0 . \dot{3}=33 . \dot{3} \%$

Quarter $=\frac{1}{4}=0.25=25 \%$

Fifth $=\frac{1}{5}=0.2=20 \%$

To change a percentage to a decimal, divide it by 100

## Examples

$5 \%=0.05$
$17 \%=0.17$
$104 \%=1.04$

