YFAR 10 - PROPORTION

Percentages and Interest

What do I need to be able to do?

I By the end of this unit you should be able to:

- Convert and compare FDP
- Work out percentages of amounts
- Increase/ decrease by a given percentage
- Express one number as a percentage
- Calculate simple and compound interest
- Calculate repeated percentage change
- Find the original value
- Solve problems with growth and decay

Keywords

Exponent: how many times we use a number in multiplication. It is written as a power Compound interest: calculating interest on both the amount plus previous interest

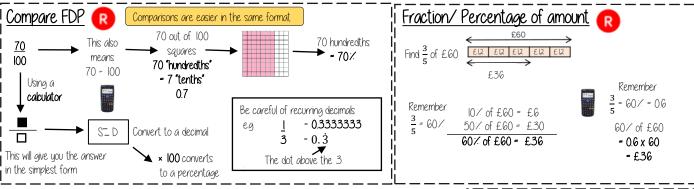
Depreciation: a decrease in the value of something over time.

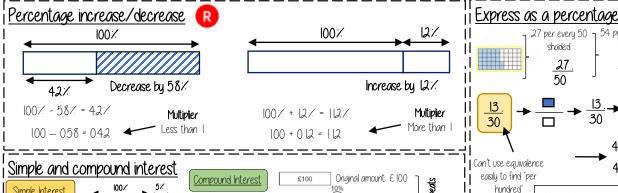
Growth: where a value increases in proportion to its current value such as doubling.

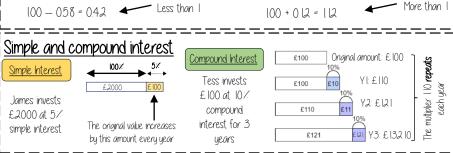
Decay: the process of reducing an amount by a consistent percentage rate over time.

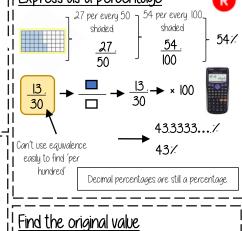
Multiplier: the number you are multiplying by

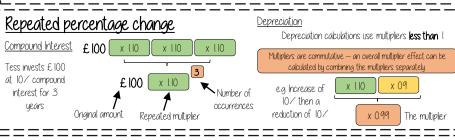
Equivalent: of equal value.

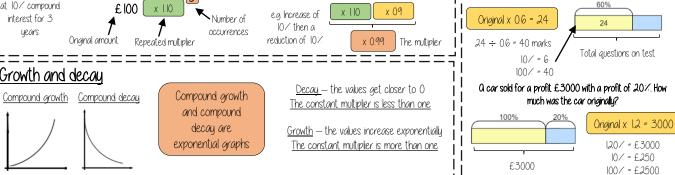


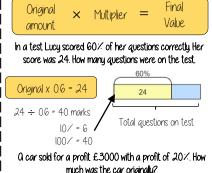












Percentage calculations