## **Year 7 – Maths Knowledge Organiser Spring (2023/2024)**

# Place Value and Proportion Fractions and percentages of amounts



### What do I need to be able to do?

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

- Find a fraction of a given amount
- Use a given fraction to find the whole or other fractions
- Find the percentage of an amount using mental methods
- Find the percentage of a given amount using a calculator

## Keywords

Fraction: how many parts of a whole we have

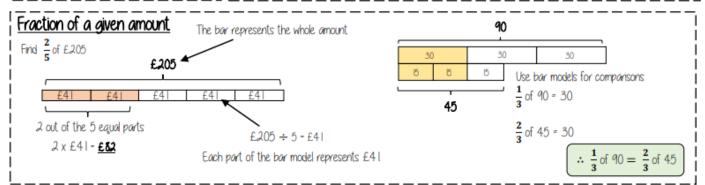
Equivalent: of equal value

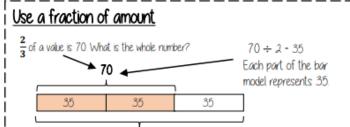
Whole: a number with no fractional or decimal part.

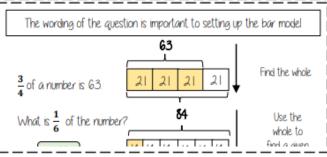
Percentage: parts per 100 (uses the / sumbol)

**Place Value: t**he value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right.

Convert: change into an equivalent representation, often fraction to decimal to a percentage cycle.

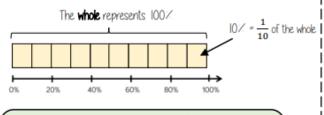


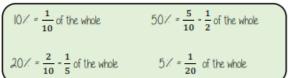


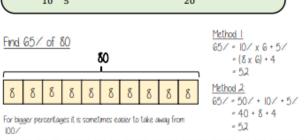


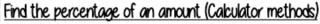
## Find the percentage of an amount (Mental methods)

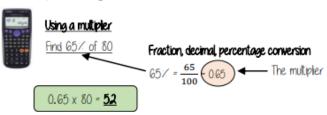
35 x 3 = **105** 

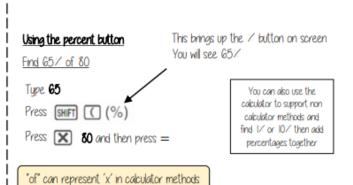


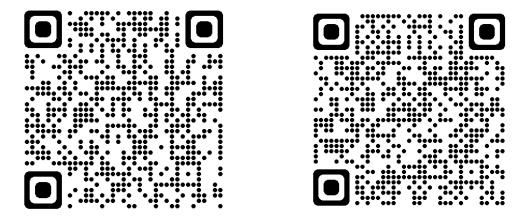




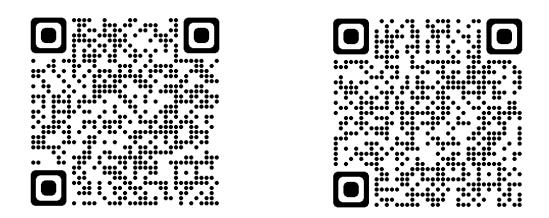








Find fractions of amounts



Find percentages of amounts.