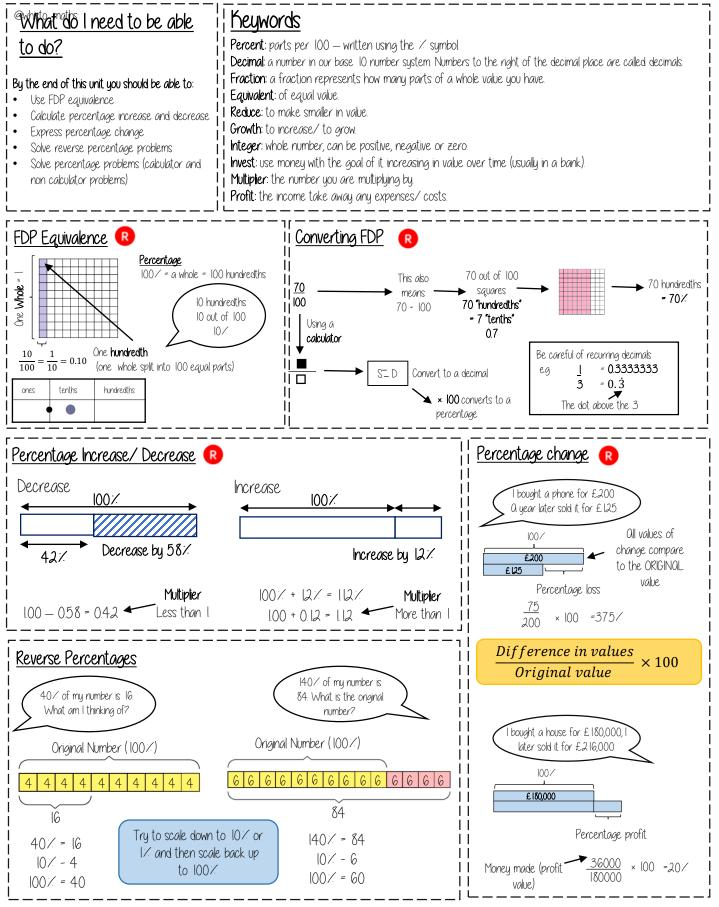
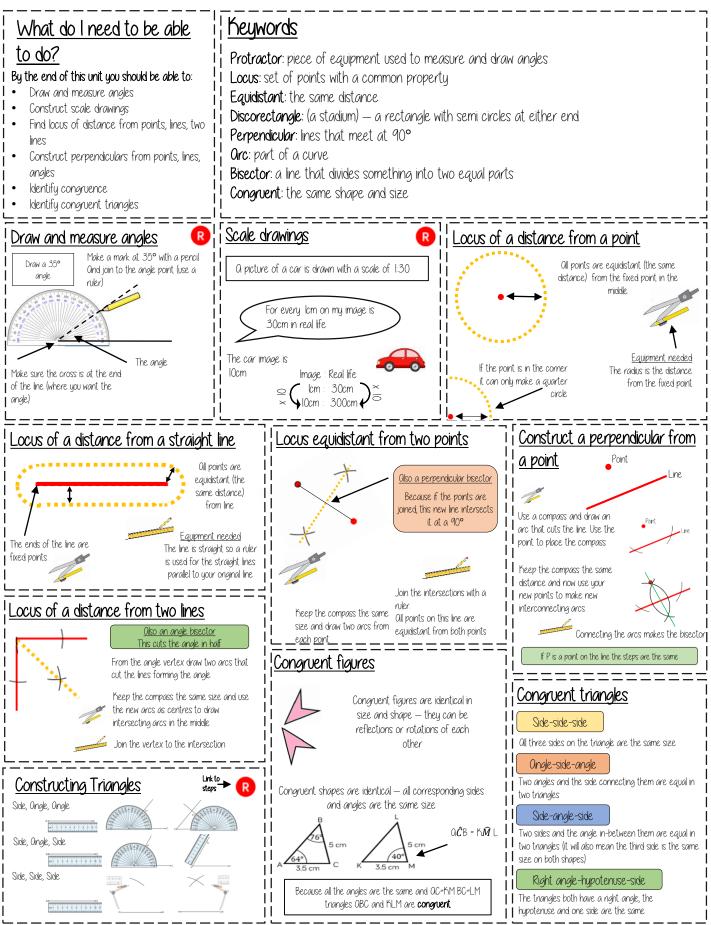
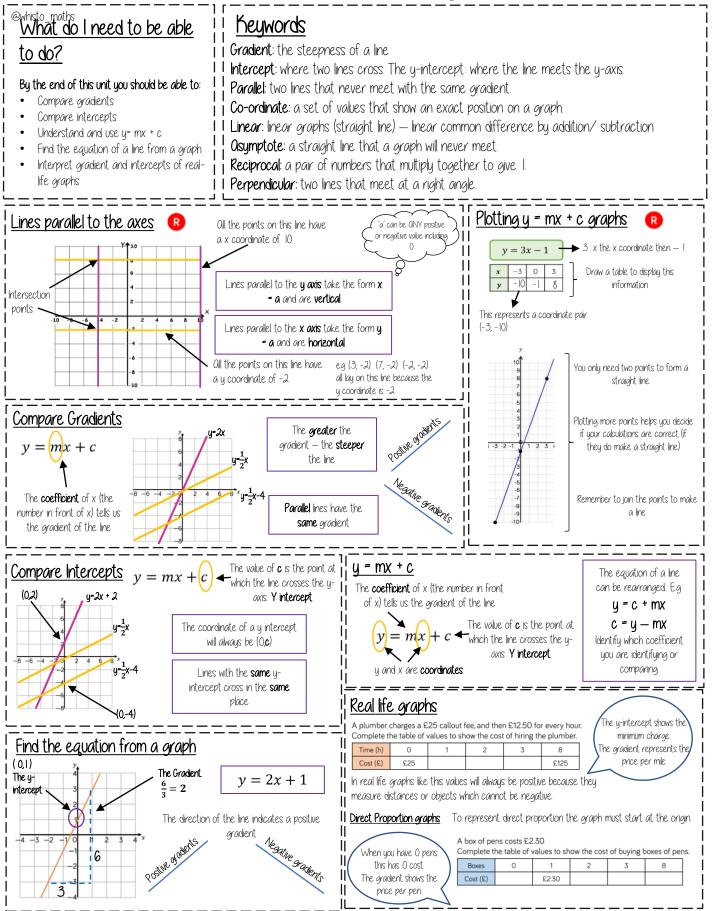
## Using Percentages



### Constructions



# Straight Line Graphs



# YFAR 9

# Maths & Money

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

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

- Solve problems with bills and bank statements
- Calculate simple interest
- Calculate compound interest
- Calculate wages and taxes
- Solve problems with exchange rates
- Solve unit pricing problems

#### Bills and Bank Statements

<u>Bills — tell you the amount items cost and can show how</u>

nuch money you need to pay.
Some can include a total
Look for different units
(Is it in pence or pounds)

Value Odded Tax (VOT)

VAT is payable to the government by a

business. In the UK VAT is 20% and

Essential items such as food do not

added to items that are bought.

include VOT.

Unit Pricina

 $4 = \pm 1.00$ 

 $2 = \pm 0.50$ 

 $1 = \pm 0.25$ 

4 Oranges

£1

÷ 2

Cost per Unit

y.	Menu	Price		
	Milk	89p		
	Tea	£1.50		

#### Bank Statements

Bank statement can have negative balances if the money spent is higher than the money coming into the account

	Date	Description	Credit	Debit	Balance
	lqth Sept	Salary	£1500		£1500
	lqth Sept	Mortgage		£600	£900
	25 <sup>th</sup> Setp	Bday Money	£15		£915

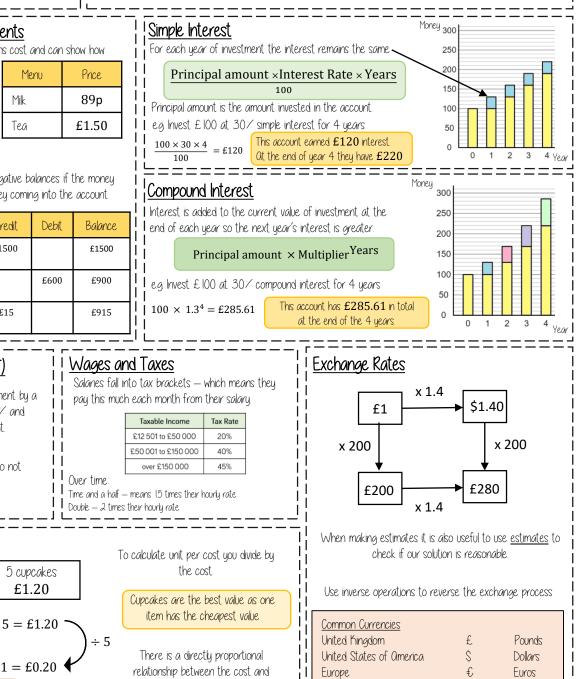
£1.20

### Keywords

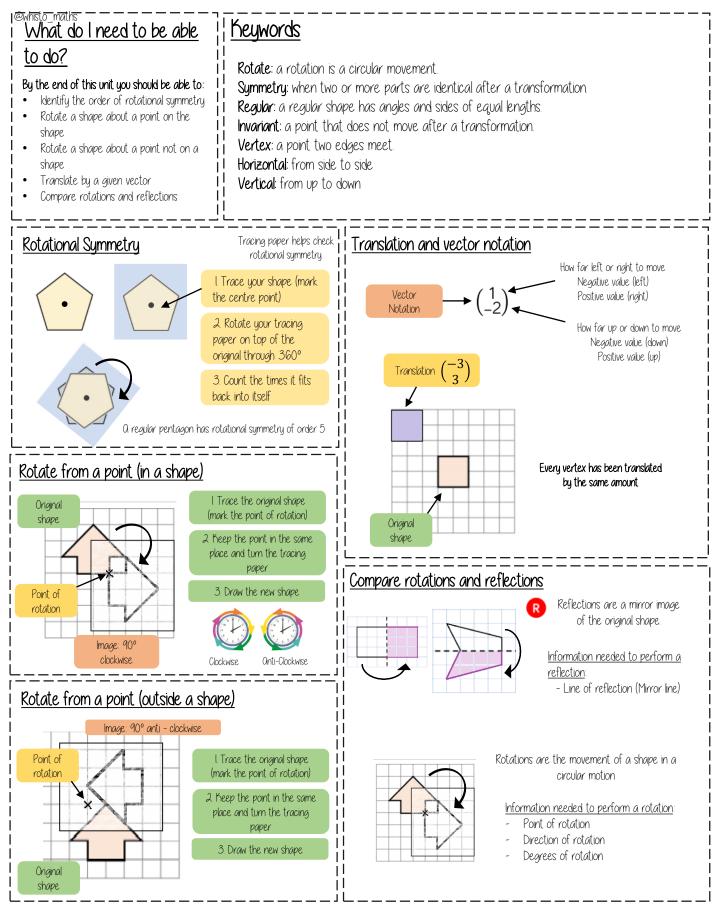
- Credit: money being placed into a bank account
- Debit: money that leaves a bank account
- Balance: the amount of money in a bank account
- Expense: a cost/outgoing.
- Deposit: an initial payment (often a way of securing an item you will later pay for)
- Multiplier: a number you are multiplying by. (Multiplier more than 1 = increasing, less than 1 = decreasing)
- Per Ornum: each year
- Currency: the type of money a country uses.

number of units

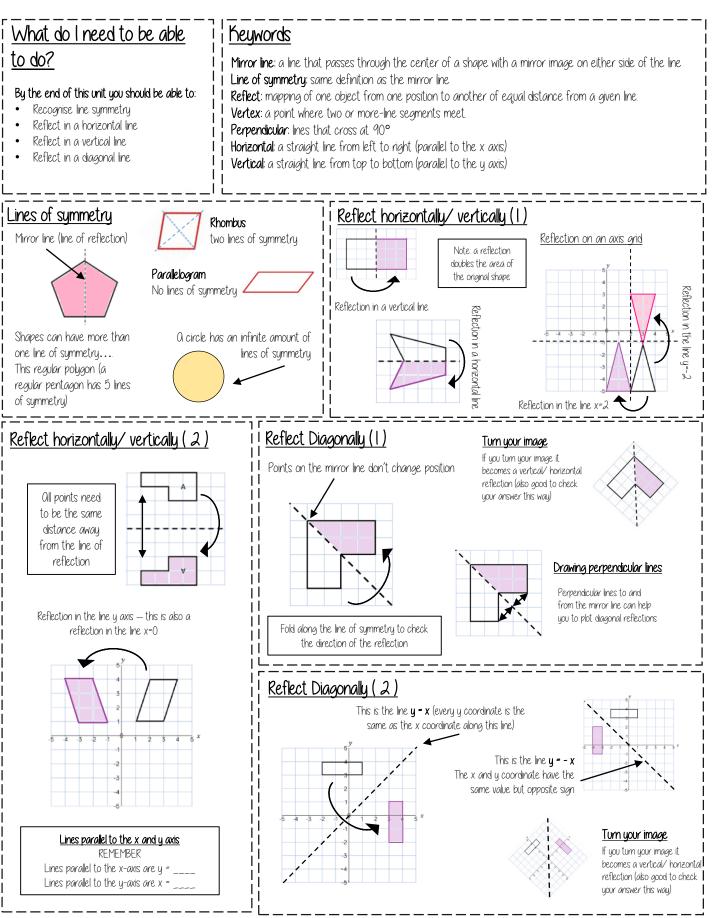
Unitary: one - the cost of one.



### Transformations



### Year 9 Transformations



### YEAR 9 — REASONING WITH GEOMETRY... Enlargement & Similarity

### What do I need to be able

to do?

### l Keywords

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

- Recognise enlargement and similarity
- Enlarge a shape by a positive SF
- Enlarge a shape from a point
- Enlarge a shape by a fractional SF
- Work out missing sides and angles in a pair of similar shapes.

Similar Shapes: shapes of different sizes that have corresponding sides in equal proportion and identical corresponding angles.

Scale Factor: the multiple describing how much a shape has been enlarged

Enlarge: to change the size of a shape (enlargement is not always making a shape bigger) Corresponding: objects (or sides) that appear in the same place in two similar situations. Image: the picture or visual representation of the shape

