

# Year 7 AP3 Learn Sheet 2021-22

## Number

Topics	Clip Number	R	A	G
Addition, subtraction, multiplication and division	1-6			
Fractions as diagrams	58			
Calculating with fractions	65-70			
Fraction of an amount	77, 85			
Place value	13-14			
Equivalent fractions	59, 64			
Directed numbers	37-44			
Order of operations	24, 44			
Factors and multiples	27, 33			
HCF and LCM	31-32, 34-35			
Converting between fractions, decimals and percentages	73-76			
Increasing by a percentage	90			
Money problems	752-754			

## Statistics and probability

Topics	Clip Number	R	A	G
Scatter graphs	453-454			
Median, mode, range	404, 409-410			
Two way tables	422			

## Algebra

Topics	Clip Number	R	A	G
Collecting like terms	156-157			
Expanding brackets	160-161			
Solving equations	178-182			
Nth term	198			
Term to term rule	197			
Function machines	PTO			

## Shape

Topics	Clip Number	R	A	G
Perimeter	548-552			
Area of triangles	557-558			
Area of rectangles	554			

Useful websites:

[www.hegartymaths.com](http://www.hegartymaths.com) (see your maths teacher for the Login)

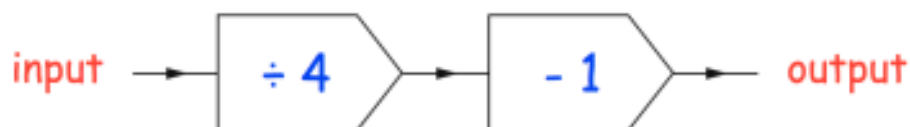
[www.corbettmaths.com](http://www.corbettmaths.com)

Here is a function machine



- (a) Work out the output when the input is 8
- (b) Work out the output when the input is 2
- (c) Work out the input when the output is 26
- (d) Work out the input when the output is  $-4$

Here is a function machine



- (a) Work out the output when the input is 24
- (b) Work out the output when the input is 42
- (c) Work out the input when the output is 17
- (d) Work out the input when the output is 4.5