

# Year 8 AP3 Learn Sheet 2021-22

## Number

Topics	Clip Number	R	A	G
Equivalent fractions	59			
Multiplying fractions	68-69			
Dividing fractions	70			
Fractions of an amount	77			
Multiples, factors, LCM and HCF	27,31,33,34			
Converting big numbers to standard form	122-124			
Converting small numbers to standard form	122-124			
Calculating in standard form	125-128			
Place value to 1 billion	13			
Formal methods for subtraction and multiplication	19,21			
Ordering negatives	37			
BIDMAS and powers	24,99,100			
Prime numbers	28			
Frequency trees	368-369			
Two-way tables	422-424			

## Statistics and probability

Topics	Clip Number	R	A	G
Bar charts	425			
Probability	351,352			
Probability adds to 1	353,354			
Expectation	355			

## Algebra

Topics	Clip Number	R	A	G
Index laws	105-107			
Collecting like terms	156-157			
Expand single brackets (and simplify)	160-161			
Expand single brackets	160-161			
Solve equations	178-179			
Solve inequalities	269			

## Shape

Topics	Clip Number	R	A	G
Area of rectangles and triangles	554,557			
Area of circles and semicircles	539,541			
Circumference of a circle	534			
Angle facts	477,485,812			
Angles in parallel lines	481,483			

## Ratio and proportion

Topics	Clip Number	R	A	G
Simplifying ratio and form 1:n	329,331			
Sharing in a ratio	332-334			
Proportion and recipes	339,739			
Conversion graphs	713			
Converting currency	707,708			
Scale drawing	866			

Useful websites:

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

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