

Year 7 Extension AP3 Learn Sheet 2021-22

Number

Topics	Clip Number	R	A	G
Place value	13-14			
Addition, subtraction, multiplication and division	1-6			
Fractions of amounts	77, 85			
Directed numbers	37-44			
Money problems	752-754			
Fractional representations	58			
Equivalent fractions	59, 64			
Fibonacci Sequences	263			
Calculating with fractions	65-70			
Converting between fractions, decimals and percentages	73-76			
HCF and LCM	31-32, 34-35			
Percentage increase/ decrease	90			

Statistics and probability

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

Algebra

Topics	Clip Number	R	A	G
Solving equations	178-186			
Nth term	198			
Expanding brackets	160-161			
Collecting like terms	156-157			
Function machines				
Substitution	780-784			

Shape

Topics	Clip Number	R	A	G
Perimeter	548-552			
Area of a rectangle	554			
Area of triangles	557-558			
Area of trapeziums	559			
Compound area	555			

Useful websites:

www.hegartymaths.com (see your maths teacher for the Login)

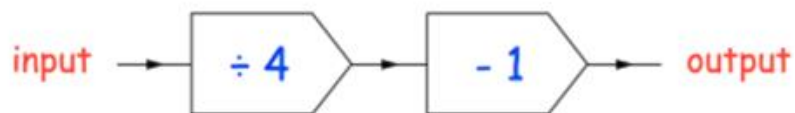
www.corbettmaths.com

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