

# Arithmetic Progression

## KS2

	Year 3	Year 4	Year 5	Year 6
<b>Addition and Subtraction</b>	Up to HTO +/- HTO (WM) +/- Multiples of 10 (OF) +/- 10, 100 (OF)	+/- THTO + THTO (WM) TO.TH +/- TO.TH (WM) +/- 10, 100, 1000 (OF)	+/- 10, 100, 1000, 10000 (OF) +/- TTHTO and THTO (WM) +/- decimals to 2 places (WM)	+ / - whole numbers and decimals (WM)
<b>Multiplication</b>	X3 x4 x6 x8 x11 (OF) X 10 (OF) $\sigma$ x $\sigma$ x $\sigma$ (WM) TO x O (WM)	X 9 x 7 x 12 (OF) HTO x O (WM) x 10 x 100 O(F) $\sigma$ x $\sigma$ x $\sigma$ (WM)	X 10 100 1000 (OF) Squared numbers (OF) Cubed Numbers (OF) Up to THTO x U (WM) Up to THTO x TU (WM)	Using known multiplication facts (OF) Decimals x O (WM) THTO x O (WM) Squared number + Cubed Number (WM)
<b>Division</b>	$\div 3 \div 4 \div 6 \div 8 \div 11$ (OF)  $\div 10$ (OF)  HTO $\div$ O (2,5,3,4)	$\div 9 \div 7 \div 12$ (OF)  $\div 10 \div 100$ (OF)  Up to HTO $\div$ O (WM)	$\div 10$ 100 1000 (OF)  Using division facts for all tables (OF)  THTO $\div$ O (WM)	Using known division facts (OF)  THTO $\div$ O (WM) THTO $\div$ TO (WM)
<b>Fractions</b>	$\frac{1}{4}$ of whole (OF) $\frac{3}{4}$ of whole (OF) +/- fractions with the same denominator (OF) Compliments to 1 (OF) Fractions of amounts (WM)	+/- fractions with the same denominator (OF) Fractions of amounts (WM) Compliments to 1 (OF)	Complements to 1 (OF) +/- fractions with different (OF) denominators (multiples) (WM) +/- mixed fractions (WM) Fractions of amounts (WM) Fraction x Whole (OF)	Fractions of amounts (WM) Percentages of amounts (WM) Whole Numbers x Percentages (WM)  Complements to 1 (OF) Fraction x Fraction (OF) +/- Mixed Numbers with different denominators (WM) Divide fraction by whole number (WM)
<b>All Areas</b>	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) BODMAS (WM) Balancing Problems (WM)

## Arithmetic Progression Year 3

	Autumn	Spring	Summer
Addition and Subtraction	HTO +/- TO (WM) +/- 10 ,100	HTO +/- HTO (WM)	+/- Multiples of 10 (OF)
Multiplication	x3 x4 x11 (OF)	x6 x8 (OF) x10 (OF)	0 x 0 x 0 (WM) TO x 0 (WM)
Division	÷ 3 ÷ 4 ÷ 11 (OF)	÷ 6 ÷ 8 (OF) ÷ 10 (OF)	HTO ÷ 0 (2,5,3,4)
Fractions	$\frac{1}{4}$ of whole (OF) $\frac{3}{4}$ of whole (OF)	+/- fractions with the same denominator within 1 (OF)	Fractions of amounts (WM) Compliments to 1 (OF)
All Areas	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)

## Arithmetic Progression Year 4

	<i>Autumn</i>	<i>Spring</i>	<i>Summer</i>
<i>Addition and Subtraction</i>	THTO +/- HTU (WM) +/- 10, 100, 1000 (WM)	THTO +/- THTO (WM)	TO.TH +/- TO.TH (WM)
<i>Multiplication</i>	$\times 9 \times 7 \times 12$ (OF)  $\times 0$ and 1(OF)	$\times 10 \times 100$ (OF)  HTO $\times 0$ (WM)	$0 \times 0 \times 0$ (WM)
<i>Division</i>	$\div 9 \div 7 \div 12$ (OF)  $\div 0$ and 1 (OF)	Up to HTO $\div 0$ (WM)	$\div 10 \div 100$ (OF)
<i>Fractions</i>		+/- fractions with the same denominator (OF)	Fractions of amounts (WM) Compliments to 1 (OF)
<i>All Areas</i>	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)

# Arithmetic Progression

## Year 5

	Autumn	Spring	Summer
<b>Addition and Subtraction</b>	+/- 10, 100, 1000, 10000 (OF) +/- THTO and HTO (WM)	+/- TTHTO and THTO (WM)	+/- decimals to 2 places (WM)
<b>Multiplication</b>	X 10 100 1000 (OF) Squared numbers (OF) Up to THTO x U (WM)	Cubed Numbers (OF)	Up to THTO x TU (WM)
<b>Division</b>	$\div$ 10 100 1000 (OF)	Using division facts for all tables (OF)  THTO $\div$ O (WM)	
<b>Fractions</b>		+/- fractions with different denominators (multiples) (WM)  Fractions of amounts (WM)  Fraction x Whole (OF)	+/- mixed fractions (WM)  Complements to 1 (OF)
<b>All Areas</b>	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM)

# Arithmetic Progression

## Year 6

	Autumn	Spring	Summer
<b>Addition and Subtraction</b>	+ / - whole numbers and decimals (WM)	+ / - whole numbers and decimals (WM)	ALL
<b>Multiplication</b>	Using known multiplication facts (OF) Squared number + Cubed Number (WM)  THTO $\times$ O (WM)	Decimals $\times$ O (WM)	ALL
<b>Division</b>	THTO $\div$ O (WM)  Using known division facts (OF)	THTO $\div$ TO (WM)	ALL
<b>Fractions</b>	Fraction $\times$ Fraction (OF)  Fractions of amounts (WM)  Divide fraction by whole number (WM)  +/- Mixed Numbers with different denominators (WM)	Complements to 1 (OF)  Percentages of amounts (WM)  Whole Numbers $\times$ Percentages (WM)	ALL
<b>All Areas</b>	Missing Numbers (WM) Balancing Problems (WM)	Missing Numbers (WM) Balancing Problems (WM) BODMAS (WM)	ALL