Fraction Workshop 15.03.24

Order of learning

Key Vocabulary

Unit fraction (numerator is 1) Non unit fraction (numerator is more than 1) Proper fraction Improper fraction

Numerator

Denominator

Equivalent

Mixed number fractions

Small steps



Small steps

Year 4

Step 1	Understand the whole	Step 9	Equivalent fractions on a number line
Step 2	Count beyond 1	Step 10	Equivalent fraction families
Step 3	Partition a mixed number	Step 11	Add two or more fractions
_		Step 12	Add fractions and mixed numbers
Step 4	Number lines with mixed numbers	Step 13	Subtract two fractions
Step 5	Compare and order mixed numbers	Step 14	Subtract from whole amounts
Step 6	Understand improper fractions	Step 15	Subtract from mixed numbers
Step 7	Convert mixed numbers to improper fractions		
Step 8	Convert improper fractions to mixed numbers		

Year 5 Small steps Add and subtract fractions with the same denominator Step 9 Find fractions equivalent to a unit fraction Step 1 Add fractions within 1 Step 10 Find fractions equivalent to a non-unit fraction Step 2 Add fractions with total greater than 1 Step 11 Recognise equivalent fractions Step 3 Add to a mixed number Step 12 Convert improper fractions to mixed numbers Step 4 Add two mixed numbers Step 13 Convert mixed numbers to improper fractions Subtract fractions Step 5 Step 14 Subtract from a mixed number Step 15 Compare fractions less than 1 Step 6 Subtract from a mixed number - breaking the whole Step 16 Order fractions less than 1 Step 7 Compare and order fractions greater than 1 Step 8 Subtract two mixed numbers Step 17



Small steps Year 6 Equivalent fractions and simplifying Step 1 Multiply fractions by integers Step 1 Equivalent fractions on a number line Step 2 Multiply fractions by fractions Step 2 Compare and order (denominator) Step 3 Divide a fraction by an integer Step 3 Compare and order (numerator) Step 4 Step 4 Divide any fraction by an integer Add and subtract simple fractions Step 5 Mixed questions with fractions Step 5 Add and subtract any two fractions Step 6 Fraction of an amount Step 6 Add mixed numbers Step 7 Fraction of an amount - find the whole Step 7 Subtract mixed numbers Step 8 Multi-step problems Step 9

Equivalent Fractions





Finding fractions of amounts



<u>Your go!</u>					
	1) 1/5 of 765				
	2) 3/5 of 765				
	3) 1/7 of 812				
	4) 5/7 of 812				
	5) 1/4 of 824				
	6) 3/4 of 824				
	7) 1/3 of 666				
	8) 2/3 of 666				

Adding Fractions



Adding Fractions





Subtracting Fractions



Subtracting Fractions





Adding mixed number fractions





Subtracting mixed number fractions





Multiplying fractions





Dividing fractions





Simplifying fractions



Mixed Numbers and Improper Fractions



Common Misconceptions

- Not recognising a proper fraction as less than a whole
- Adding and subtracting the denominators as well as the numerators
- Not doing the same calculation to both the numerator and denominator when finding an equivalent fraction
- Leaving the denominator unchanged when multiplying fractions

Link to calculation policy on our website (as requested): https://www.burlingtonj.kingston.sch.uk/page/?title=Maths&pid=64

Then, scroll to the bottom of the page and you will find a folder called "Calculation Policies" that you can click on and you will be able to download them.