

# Fractions Workshop

## Aims:

- To know how to solve a range of fraction problems
- To leave with helpful resources

# Fraction Problems

Calculate  $\frac{2}{3}$  of 21

$$\frac{2}{6} + \frac{7}{18} = ?$$

Order  $\frac{2}{3}$ ,  $\frac{3}{15}$ ,  $\frac{3}{5}$

Convert  $\frac{23}{10}$  to a mixed number

Simplify  $\frac{9}{12}$

Convert  $\frac{6}{25}$   
to a decimal

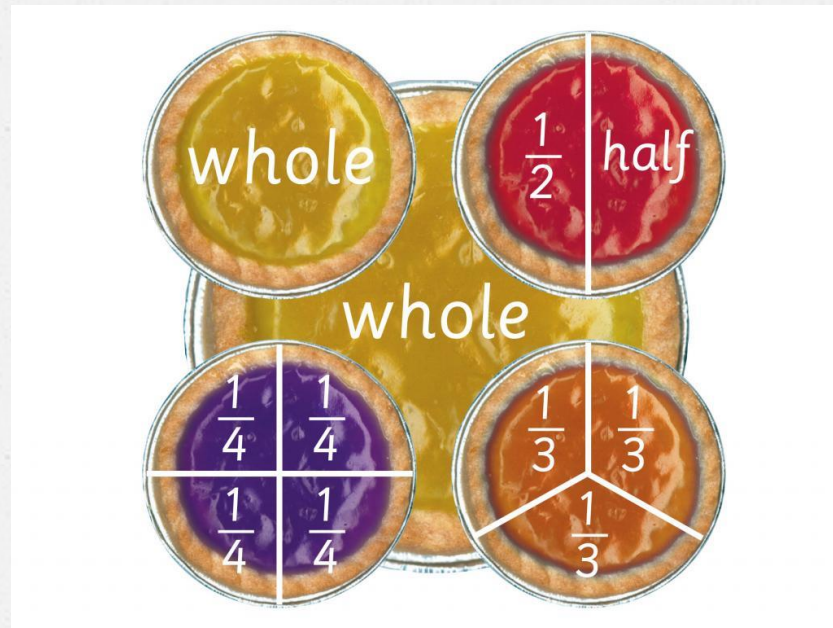


**Fractions in the new  
curriculum**



# *What is a fraction?*

- When an object is divided into a number of equal parts then each part is called a fraction.



# Parts of a fraction

2 ← Numerator

5 ← Denominator

(The denominator is downstairs!)

# Types of fractions

There are 3 types of fractions:

o Proper fractions – the numerator is  $\frac{1}{4}$   
smaller than the denominator

o Improper fractions – the numerator  $\frac{7}{4}$   
is bigger than the denominator

o Mixed numbers/fractions – have  
a whole number and a fraction  $2\frac{1}{4}$



# Solving Fraction Problems

Calculate  $\frac{2}{3}$  of 21

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Order  $\frac{2}{3}$ ,  $\frac{3}{15}$ ,  $\frac{3}{5}$

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to a decimal

# Resources

- o Video explanations – On school website – Under Parents / Curriculum / Parent Workshops.
- o Fractions in the new National Curriculum
- o ‘Help with Fractions!’ handout
- o ‘Everyday Fraction Activities’ handout
- o NNS example questions
- o Fraction wall
- o Examples of school questions