

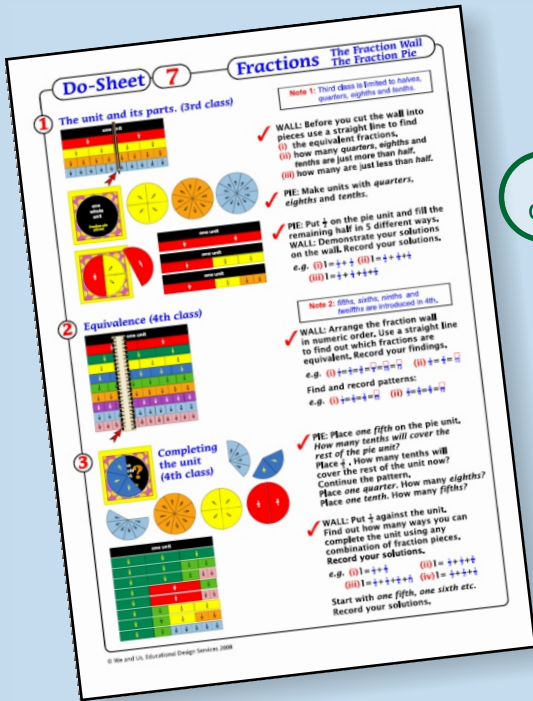
# HANDS-ON MATHS ACTIVITIES for 9 to 11 year olds

## Free DO-SHEETS for Parents & Teachers plus Free Manipulative Materials

Fractions require a variety of approaches. Fraction walls teach equivalence and also the relationship between fractions. The UNIT pie helps to consolidate the concepts in a different form of presentation.

**Do-Sheet 7** explores equivalence within the curriculum limitations for 3rd and 4th classes.

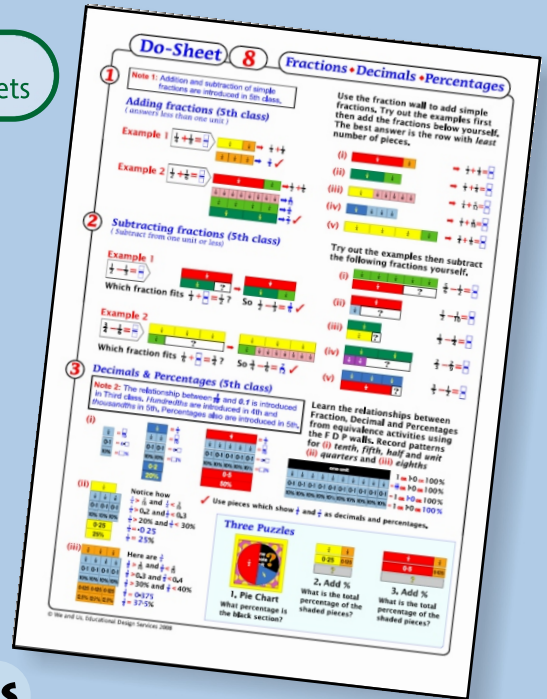
**Do-Sheet 8** shows how to use manipulatives to add and subtract fractions and to how to illustrate the relationships between the other forms of fractions - decimals and percentages. **Note:** *Sevenths* and *elevenths* are not used here.



click the web links to download printable sheets

**DO-SHEET 7**

**DO-SHEET 8**

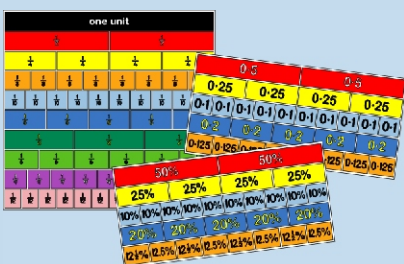


### FRACTION WALLS FRACTION PIES

**FRACTIONS:**  
beginning with a limited range of fractions ( $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$ )  
explore equivalent fractions  
completing the UNIT

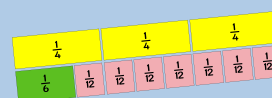
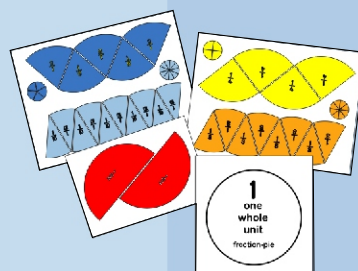
Gradually include other fractions

Use both fraction wall and fraction pie



### MANIPULATIVES

click the web links to download printable manipulatives



### FRACTION WALL DECIMAL WALL PERCENTAGES WALL

**FRACTIONS:**  
addition  
subtraction  
common denominator

relationship between fraction decimal and percentage