

DIFFERENTIATION

Quarters of Shapes

Fractions and Decimals 3

Based on your Professional Teacher Judgment and Pre-assessment data, Levels with **1** may be included in the first lesson; Based on embedded assessment data, Levels with **2** **3** may be included in the these lessons. The anchor charts for this concept may look like these on a 'Wall that Teaches' over a few lessons.

FD 1 Halve shapes

FD 2 Halve groups

half of 7 = 3 r 1
 $\frac{1}{2}$ of 7 = 3 r 1

FD 3 Quarter shapes

FD 4 Quarter groups

quarter of 9 = 2 r 1
 $\frac{1}{4}$ of 9 = 2 r 1

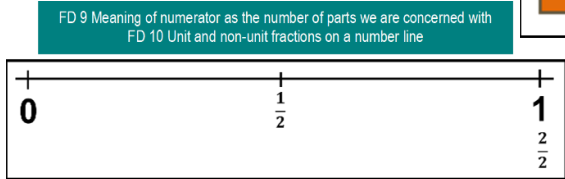
FD 6 Eighth Shapes and Groups

An eighth of 17 = 2 r 1
 $\frac{1}{8}$ of 17 = 2 r 1

FD 7 Meaning of denominator as the number we divided by
FD 8 Multiplicative relationships between fractions

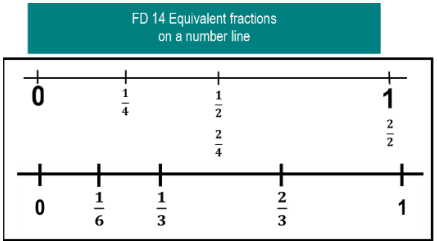
	1			
half	$\frac{1}{2}$		$\frac{1}{2}$	
quarter	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
eighth	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{4}$ is $\frac{1}{4}$ of 1 $\frac{1}{8}$ is $\frac{1}{8}$ of 1
 $\frac{1}{4}$ is $\frac{1}{2}$ of $\frac{1}{2}$ $\frac{1}{8}$ is $\frac{1}{2}$ of $\frac{1}{4}$
 $\frac{1}{8}$ is $\frac{1}{4}$ of $\frac{1}{2}$



FD 13 Equivalent fractions and the relationship between numerator and denominator

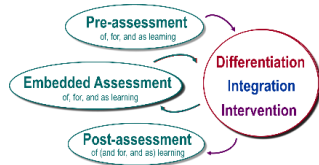
$\frac{1}{2} = \frac{2}{4} = \frac{4}{8} = \frac{8}{16}$
 $\frac{2}{3} = \frac{8}{12} = \frac{4}{6} = \frac{10}{18}$



FD 20 Role of the vinculum as meaning divided by

$\frac{1}{3} = 1 \div 3$
 $\frac{2}{3} = 2 \div 3$
 $\frac{2}{3} = 2 \div 3$

Embedded assessment data may tell us we need to re-explicitly teach some Levels.



FD 23 Add fractions with the same denominator

FD 23 Subtract fractions with the same denominator

FD 28 Fractions in their simplest form

$4 \div 4 = 1$
 $12 \div 4 = 3$

FD 29 Percentages as Hundredths, related to fractions and decimals

FD 33 Add fractions with related denominators

FD 33 Subtract fractions with related denominators