

IES Unit Plan - Subject:

Grade Level 4	Unit Fractions Topic A and B	 Standards : Decompose a fraction into a sum of fractions with like denominators in more than one way, recording each decomposition by an equation. Justify decompositions, e.g., by using a visual fraction model. Add and subtract mixed numbers with like denominators, e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction. (CCSS: 4.NF.B.3.c) Explain equivalence of fractions using drawings and models. ⁴
--------------------------------	---	---

Learning Target: I can decompose and compose fractions using different models to show equivalent fractions

 Essential Question(s) How can mathematics support effective communication?	 Vocabulary Fraction Fractional Parts Decompose Compose Unit fractions Non unit fractions Numerator Denominator Whole Parts
--	---

 SKILLS		
MASTER SKILLS (all students) (Have to Know)	BASIC SKILLS (Most students) (Good to Know)	ADVANCED SKILLS (Nice to Know)
- What a fraction is - Decompose unit fractions - Compose unit fractions - prove equivalency of two fractions	- prove equivalence using multiplication and division - Various strategies to find equivalency	Fluent in recognizing equivalency in fractions

MASTER BASIC ADVANCED	Success Criteria (I will know I am successful when I can)	DOK Level
Master	I can explain the parts of a fraction in pictures, words, or numbers	3
Master	I can decompose and compose unit fractions	2
Master	I can prove the equivalency of two or more fractions	3
Basic	I can prove equivalency using multiplication and division	2
Basic	I can use various strategies to find equivalency	4

ASSESSMENT(S)			
UNIT Pre/Post Assessment: PRE-Find an equivalent fraction for this fraction			
Performance Level Descriptors (Rubric)			
1 - Limited	2 - Basic	3 - Proficient (Core)	4 - Advanced

Write a given fraction or represent a fraction using a picture	Use one strategy to show equivalency	Use a strategy to show equivalency and decompose and compose fractions	Fluently able to prove equivalency in fractions
---	--------------------------------------	---	---

CENTER IDEAS

Tech Activities (no more than 2)	Hands on (at least 1)	Independent (at least 1)	Partner (at least 1)	Game (no more than 1)
Struggling (SPED)	RTI	Grade Level	Enrichment	Advanced
Drawing pictures of different fractions		Given fractions find the equivalents	find as many possible equivalent fractions by creating a presentation	see to left
Pattern blocks to show equivalent fractions	Pattern blocks to show equivalent fractions	Pattern blocks to show equivalent fractions	Pattern blocks to show equivalent fractions	see to left
		Each student gets an equivalent fraction and they must find the other using partners, cards, dice		

Timeline (pacing of unit)

Dates	Success Criteria (Skills)
	8 days