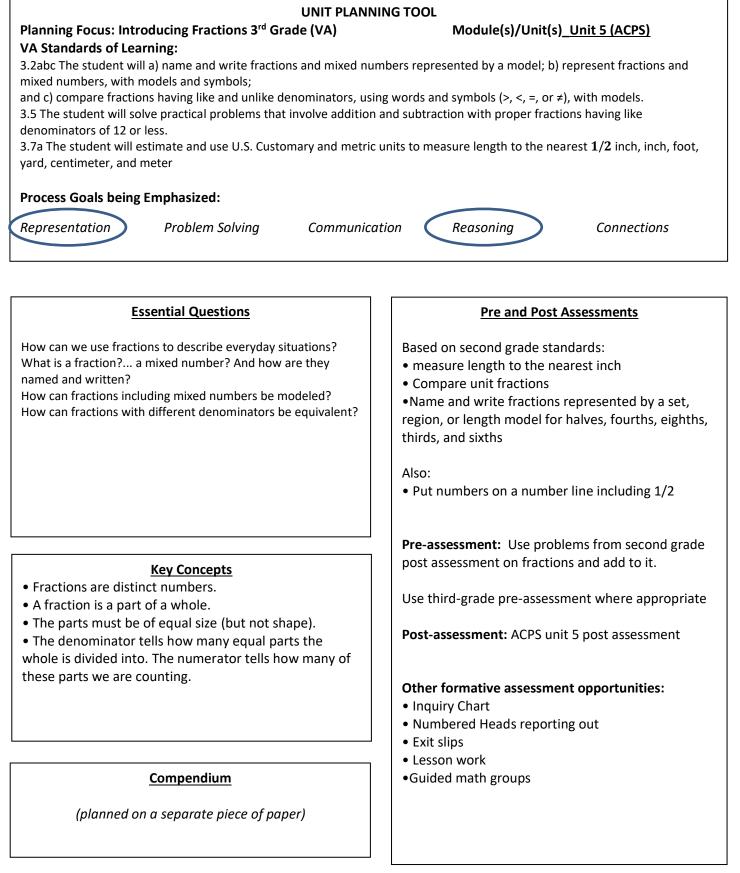


AIM4S³™



AIM4S^{3™}

Connections (Real World Applications)

- Dividing food to share (pizza, candy bars, an apple...)
- Buying groceries (2 ½ pounds of hamburger, ½ pound of grapes...)
- Measuring objects or distance (3 ½ inches, 4 ¼ miles)
- Increasing or decreasing recipes
- In sports (1/2 yard from the in zone, 1/2 time, swam ¼ of the pool)
- Identifying parts of groups (2/3 of the students are wearing pajamas)

Language Functions/Structures

Describe There are _____ equal parts in the whole. _____ parts are shaded.

The numerator tells us ______. The denominator tells us ______

I partitioned the shape into ____ parts and shaded in _____ of them.

Discuss I agree with _____ because. I want to add... I respectfully disagree with _____ because...

Compare ____ is greater than _____ is less than _____ is equal to _____.

- ___ and ___ are equivalent.
- ____ is closest to (0, ½, 1) because ...

Vocabulary

fraction, numerator, denominator, mixed number, improper fraction, equal parts, equivalent, benchmark fraction, unit fraction, greater than, less than, equal to, number line, set, area model, equal distance (interval), reasonable, partitioned

half/ halves, third(s), fourth(s), fifth(s)...twelfth(s)

Focus and Motivation

Chant: Understanding Fractions Yes, Ma'am by Lisa Meyer Songs by Number Rock: Fraction Song by Number Rock <u>https://www.youtube.com/watch?v=ITce7f6KGE0</u> (targets numerator and denominator), Fractions on a Number Line <u>https://www.youtube.com/watch?v=SZaXtOHNh6s</u> (make sure to extend the idea beyond one)

Video and quizzes on Brainpop for fractions

Literature: Give me Half by Stuart J. Murphy How big is a foot? By Robert Myller (measurement connection) The Wishing Club by Donna Jo Napoli Fraction Action by Loreen Leedy Apple Fractions by Jerry Pallotta

Fraction Card Games: fractions less than ½, ½ or more than ½, comparing fractions **Scavenger Hunt:** Fractions in real life

Understanding Fractions Yes Ma'am

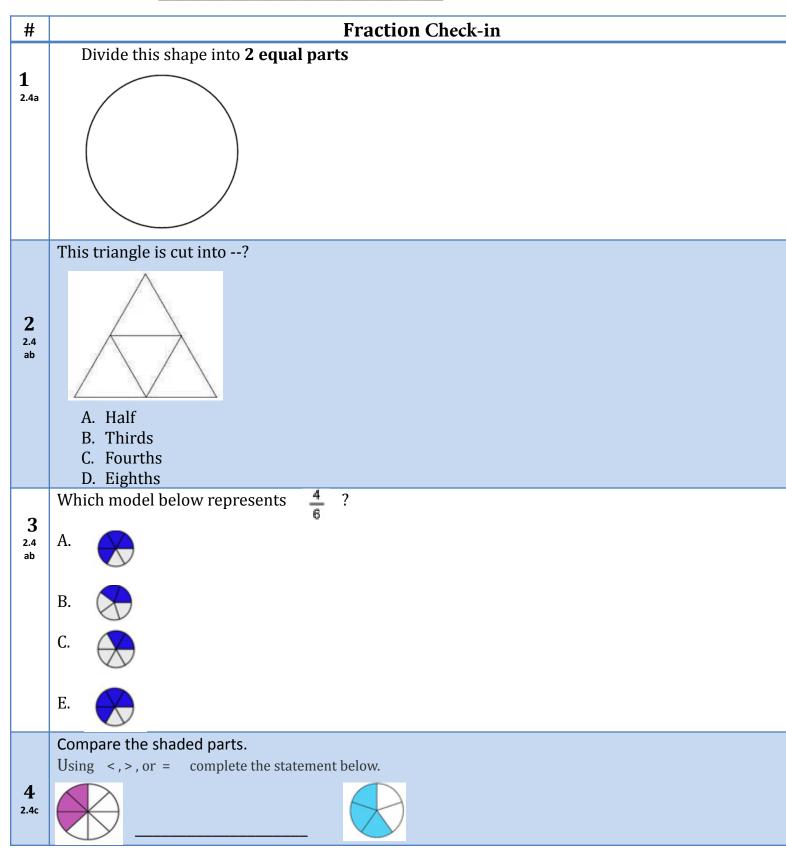
by Lisa Meyer

Is this a fraction?	Yes, Ma'am
Is this a fraction?	Yes, Ma'am
How do you know?	It's a partial number.
How do you know?	Numerator and denominator
Give me an example.	¾ (3 out of 4)
Give me an example.	¼ (1 out of 4)
Is this a unit fraction?	Yes, Ma'am
Is this a unit fraction?	Yes, Ma'am
How do you know?	1 in the numerator
How do you know?	One part of the whole
Give me an example.	1/2 or 1/3
Give me an example.	1/5 or 1/8
Is this a benchmark fraction?	Yes, Ma'am
Is this a benchmark fraction?	Yes, Ma'am
How do you know?	Common fractions we know
How do you know?	Easier to compare
Give me an example.	1/2
Give me other benchmarks.	0 and 1
Is this an equivalent fraction?	Yes, Ma'am
Is this an equivalent fraction?	Yes, Ma'am
How do you know?	They're the same size.
How do you know?	One equals the other
Give me an example.	1/2 and 2/4
Give me an example.	2/5 and 4/10

Repeat first verse.

Note: Chant could be Yes, Ma'am; Yes, of course; Yes, sir...

Student Name: _____



Mathematics: Alexandria City Public Schools

Name _____ Third Grade Fraction Check-in

