

LESSON 16: Concept of Fractions

Warm-Up

Directions: Use the number line below to help you answer the questions.



1. What number is located at Point A?
2. Put the following numbers in order from least to greatest:
405 504 450 540
3. What number is located at Point S?
4. Put the following numbers in order from greatest to least.
350 530 325 475
5. Compare the numbers by using the symbols $>$, $<$, or $=$.
357 375 525 255 425 395
6. What number is located at the point between S and 400?

LESSON 16: Concept of Fractions

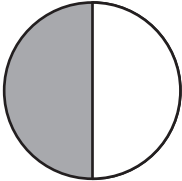
Directions: Complete the following SOLVE problem with your teacher. You will only complete the S step.

Elise is helping her grandmother plant a garden. They plant $\frac{1}{2}$ of the garden with tomato plants and $\frac{1}{3}$ of the garden with lettuce. Which vegetable takes up more space in the garden?

S Underline the question.

This problem is asking me to find _____
_____.

Directions: Complete this page with your teacher and partner.

_____	$\frac{1}{2}$	_____
What does the fraction $\frac{1}{2}$ mean? _____		
	The circle is divided into _____ equal parts. How many parts are shaded? _____ The denominator tells _____ The numerator tells _____	

Legal Trades for Kit 1

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

LESSON 16: Concept of Fractions

Legal Trades for Kit 1

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

LESSON 16: Concept of Fractions

Legal Trades for Kit 2

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

LESSON 16: Concept of Fractions

Legal Trades for Kits 1 and 2

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

I GAVE Picture	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

LESSON 16: Concept of Fractions

Equivalent Fractions

Which of the following are equivalent? Draw fraction strips to help you solve.

$\frac{1}{2} = \frac{2}{4}$	$\frac{2}{3} = \frac{3}{4}$	$\frac{2}{8} = \frac{1}{3}$
Equivalent?	Equivalent?	Equivalent?
$\frac{6}{8} = \frac{3}{4}$	$\frac{1}{2} = \frac{3}{6}$	$\frac{3}{8} = \frac{1}{4}$
Equivalent?	Equivalent?	Equivalent?

Draw equivalent fractions for each of the following.

$\frac{4}{8} =$	$\frac{2}{6} =$	$\frac{2}{3} =$
$\frac{2}{8} =$	$\frac{6}{8} =$	$\frac{1}{2} =$

LESSON 16: Concept of Fractions

Directions: Complete the following SOLVE problem with your teacher.

Elise is helping her grandmother plant a garden. They plant $\frac{1}{2}$ of the garden with tomato plants and $\frac{1}{3}$ of the garden with lettuce. Which vegetable takes up more space in the garden?

S Underline the question.

This problem is asking me to find _____

_____.

O Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts.

L Choose an operation or operations.

Write in words what your plan of action will be.

V Estimate your answer.

Carry out your plan.

E Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.

LESSON 16: Concept of Fractions

Directions: Work with a partner and record legal trades below. Find as many as you can in the time your teacher allows.

I GAVE Picture 	PARTNER GAVE ME BACK Picture
Fraction	Fraction
=	

Which of the following fractions are equivalent? Use fraction strips and draw pictures to help you solve.

$\frac{4}{8} = \frac{3}{6}$ 	$\frac{5}{6} = \frac{2}{3}$ 	$\frac{4}{8} = \frac{2}{4}$
Equivalent?	Equivalent?	Equivalent?

Draw equivalent fractions for each of the following.

$\frac{1}{3} =$ 	$\frac{2}{4} =$ 	$\frac{4}{6} =$
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LESSON 16: Concept of Fractions

Homework

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Name _____ Date _____

Directions: Answer the following questions.

Which of the following are equivalent? Draw fraction strips to help you solve.

$\frac{1}{2} = \frac{6}{8}$ Equivalent?	$\frac{3}{4} = \frac{2}{3}$ Equivalent?
$\frac{2}{8} = \frac{1}{4}$ Equivalent?	$\frac{2}{4} = \frac{1}{3}$ Equivalent?

Draw equivalent fractions for each of the following.

$\frac{1}{3} =$	$\frac{2}{4} =$
$\frac{4}{6} =$	$\frac{3}{3} =$