



What do you know about FRACTIONS? Diagnostic

Suggested time: 35 minutes

What's important in this lesson:

It is important for you to work carefully through the questions on this page. These questions have been designed to see what knowledge you already have about the topics that you will cover in the first unit.

Complete these steps:

1. Complete all questions provided.
2. If you have any questions about the questions asked get help from the teacher as needed.
3. Check your answers with the Answer Key. If you are making errors, have your teacher review these questions with you.

Hand-in the following to your teacher:

1. This Diagnostic Activity will only be handed in if your teacher requests it.

Questions for the teacher:



Diagnostic Activity
What do you know about FRACTIONS?

1. Fill in the blanks using the words from the list to show what you know about fractions:

denominator
divided
equivalent
fraction

improper
larger
mixed
numerator

percent
ratio
three
whole

- a) The number on the top of a fraction is called the _____
- b) The number on the bottom of a fraction is the _____
- c) $\frac{4}{3}$ is an example of an _____ fraction, because the number on the top is _____ than the number on the bottom.
- d) $3\frac{1}{2}$ is an example of a _____ number, because it has both a _____ number and a _____ in it
- e) $\frac{3}{4}$, 3:4, and “3 to 4” are the _____ different ways to write a _____.
- f) _____ means “out of 100”
- g) $\frac{3}{4}$ can also be thought of as “3 _____ by 4”
- h) Fractions like $\frac{1}{3}$ and $\frac{2}{6}$ are said to be _____, because they have the same value

2. Use the following example as a model and complete each question below:

Example: The factors of 12 are 1 x 12, 2 x 6, or 3 x 4

- a) write all the factors of 18 –
- b) write all the factors of 24 –
- c) write all the factors of 48 –
- d) write all of the factors of 17 –

Introductory Activity: Unit 1 Lesson 1



3. Colour in the following (approximate) fractions of each rectangle below:

a) $\frac{1}{2}$ of...

b) $\frac{1}{4}$ of...

c) 90% of...



4. Put each list of fractions in order from SMALLEST to LARGEST:

a) $\frac{1}{3}$, $\frac{1}{2}$, $\frac{1}{10}$, $\frac{1}{5}$ - _____

b) $\frac{2}{3}$, $\frac{4}{5}$, $\frac{9}{10}$, $\frac{3}{4}$ - _____

Check your answers to these questions before moving on to lesson 2!