

Fraction Review

HOW TO WRITE 1 AS A FRACTION	UNIT FRACTIONS	FRACTIONS LESS THAN 1
EQUIVALENT FRACTIONS	COMPARE FRACTIONS	ADD FRACTIONS LIKE DENOMINATORS
ADD FRACTIONS UNLIKE DENOMINATORS	SUBTRACT FRACTIONS LIKE DENOMINATORS	SUBTRACT FRACTIONS UNLIKE DENOMINATORS

ADVANCED GAME WITH FRACTIONAL OPERATIONS

Welcome to the Fraction Escape Room

An evil math teacher has trapped you in a 6th grade fraction escape room. She will not let you out until you prove that you have mastered fractions!!!



WELCOME TO THE RATIONAL NUMBER ROOM

Adding & Subtracting Decimals

Rule 1: line 'em up!

$$\begin{array}{r} 1.4 \\ + 6.75 \\ \hline 8.15 \end{array}$$

Rule 2: drop it down!

$$\begin{array}{r} 1.4 \\ - 6.75 \\ \hline -5.35 \end{array}$$

Rule 3: fill 'em in!

$$\begin{array}{r} 1.40 \\ - 6.75 \\ \hline -5.35 \end{array}$$

Multiplying Decimals

Step 1: Ignore the decimal points. Multiply as if they were whole numbers.

Step 2: Count the total number of decimal places in both factors.

Step 3: Place the decimal point in the product so that the total number of decimal places is the same as in the factors.

Dividing Decimals

Step 1: Move the decimal point in the divisor to the right until it becomes a whole number.

Step 2: Move the decimal point in the dividend the same number of places to the right.

Step 3: Divide as usual.

Adding & Subtracting Fractions

Addition of LIKE Denominators

- Add the numerators.
- Keep the denominator the same.
- Simplify (reduce).

Subtraction of LIKE Denominators

- Subtract the numerators.
- Keep the denominator the same.
- Simplify (reduce).

Addition of UNLIKE Denominators

- Find the least common denominator (LCD).
- Convert each fraction to an equivalent fraction with the LCD.
- Add the numerators.
- Simplify (reduce).

Subtraction of UNLIKE Denominators

- Find the least common denominator (LCD).
- Convert each fraction to an equivalent fraction with the LCD.
- Subtract the numerators.
- Simplify (reduce).

Multiplying Fractions

Step 1: Multiply the numerators.

Step 2: Multiply the denominators.

Step 3: Simplify.

1st: write the factors for the numerator and denominator.

2nd: Circle the greatest common factor.

3rd: divide the numerator and denominator by the greatest common factor.

Dividing Fractions

STEP #1: $\frac{2}{3} \div \frac{1}{4}$ **SET UP THE PROBLEM**

STEP #2: $\frac{2}{3} \times \frac{4}{1}$ **MULTIPLY BY THE RECIPROCAL**

ANSWER: $\frac{8}{3}$ **SIMPLIFY!**

MULTIPLY BY THE RECIPROCAL

Envision Math Tools

Decimal Games

Fraction Games

Student book (pdf)

SUB HELP STUDENT PRACTICE