

# FRACTION MYSTERY NUMBER

Use the clues to eliminate fractions and find the mystery number!

## PRINT & DIGITAL

### MYSTERY FRACTION #1

USE THE CLUES TO ELIMINATE FRACTIONS.

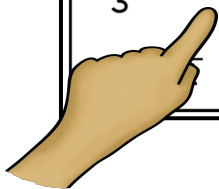
- Clue #1:** My denominator is an odd number.
- Clue #2:** I am less than one-half.
- Clue #3:** My numerator is a 1.
- Clue #4:** My denominator is between 2 and 6.
- Clue #5:** I am equivalent to two-sixths.



Use the X to eliminate the fractions.



$\frac{1}{3}$   $\frac{1}{5}$   $\frac{3}{5}$   $\frac{6}{9}$   $\frac{7}{4}$   
 $\frac{3}{5}$   $\frac{5}{7}$   $\frac{2}{5}$   $\frac{1}{9}$

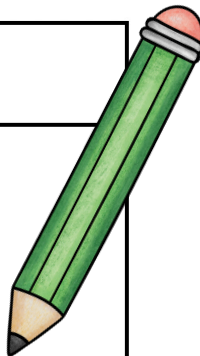


### MYSTERY FRACTION #3

Use the clues to eliminate fractions:

- Clue #1:** I am not an improper fraction.
- Clue #2:** My denominator is an even number.
- Clue #3:** I am more than one-half.
- Clue #4:** My denominator is less than 8.
- Clue #5:** The difference between my numerator and denominator is 1.

$\frac{6}{4}$   $\frac{7}{9}$   $\frac{8}{12}$   $\frac{2}{5}$   $\frac{1}{12}$   
 $\frac{9}{12}$   $\frac{1}{4}$   $\frac{5}{6}$   $\frac{4}{10}$   $\frac{2}{7}$



SHELLEY GRAY

# about this resource

This resource includes 20 mystery number activities. In each activity, your students will use the clues to eliminate fractions and figure out which one is the mystery number.

These activities work with fractions and include fraction vocabulary skills, odd/even, equivalent fractions, and more.

I've included this resource in both a print and digital version so you can choose the version that best suits your needs.

## PRINT VERSION

In the print version, activities are two to a page. These are great as early finisher activities or math warm-ups!

<b>MYSTERY FRACTION #1</b> Use the clues to eliminate fractions:
<b>Clue #1:</b> My denominator is an odd number.
<b>Clue #2:</b> I am less than one-half.
<b>Clue #3:</b> My numerator is a 1.
<b>Clue #4:</b> My denominator is between 2 and 6.
<b>Clue #5:</b> I am equivalent to two-sixths.
$\frac{1}{3}$ $\frac{1}{5}$ $\frac{3}{5}$ $\frac{6}{9}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{3}{6}$ $\frac{5}{7}$ $\frac{2}{5}$ $\frac{1}{9}$
<b>MYSTERY FRACTION #2</b> Use the clues to eliminate numbers:
<b>Clue #1:</b> My numerator is not an even number.
<b>Clue #2:</b> My numerator is less than 4.
<b>Clue #3:</b> My denominator is an even number.
<b>Clue #4:</b> I am greater than one-fifth.
<b>Clue #5:</b> I am equivalent to five-tenths.
$\frac{2}{7}$ $\frac{1}{9}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{2}{3}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{4}{5}$ $\frac{9}{11}$

<b>MYSTERY FRACTION #3</b> Use the clues to eliminate fractions:
<b>Clue #1:</b> I am not an improper fraction.
<b>Clue #2:</b> My denominator is an even number.
<b>Clue #3:</b> I am more than one-half.
<b>Clue #4:</b> My denominator is less than 8.
<b>Clue #5:</b> The difference between my numerator and denominator is 1.
$\frac{6}{4}$ $\frac{7}{9}$ $\frac{8}{12}$ $\frac{2}{5}$ $\frac{1}{12}$ $\frac{9}{12}$ $\frac{1}{4}$ $\frac{5}{6}$ $\frac{4}{10}$ $\frac{2}{7}$
<b>MYSTERY FRACTION #4</b> Use the clues to eliminate numbers:
<b>Clue #1:</b> My numerator is greater than 2 but less than 8.
<b>Clue #2:</b> My denominator is an even number.
<b>Clue #3:</b> My numerator is an odd number.
<b>Clue #4:</b> The difference between my numerator and denominator is 7.
<b>Clue #5:</b> My denominator is the double of 6.
$\frac{4}{8}$ $\frac{2}{11}$ $\frac{4}{11}$ $\frac{2}{10}$ $\frac{0}{9}$ $\frac{5}{12}$ $\frac{1}{6}$ $\frac{3}{10}$ $\frac{7}{12}$ $\frac{7}{5}$

<b>MYSTERY FRACTION #17</b> Use the clues to eliminate fractions:
<b>Clue #1:</b> I am a mixed number.
<b>Clue #2:</b> I am between 1 and 4.
<b>Clue #3:</b> My whole number is odd.
<b>Clue #4:</b> My denominator is a factor of 10.
<b>Clue #5:</b> My fraction has one even digit and one odd digit.
$2\frac{2}{6}$ $1\frac{1}{4}$ $5\frac{1}{2}$ $\frac{5}{6}$ $\frac{1}{2}$ $1\frac{2}{4}$ $4\frac{2}{10}$ $1\frac{3}{5}$ $2\frac{3}{4}$ $3\frac{2}{5}$
<b>MYSTERY FRACTION #18</b> Use the clues to eliminate numbers:
<b>Clue #1:</b> My denominator is an even number.
<b>Clue #2:</b> My numerator is an odd number.
<b>Clue #3:</b> The sum of my digits is more than 10.
<b>Clue #4:</b> The difference between my numerator and denominator is 1.
<b>Clue #5:</b> I am equivalent to eighteen-twentieths.
$\frac{9}{10}$ $\frac{6}{8}$ $\frac{4}{12}$ $\frac{1}{2}$ $\frac{6}{7}$ $\frac{3}{9}$ $\frac{10}{11}$ $\frac{5}{6}$ $\frac{4}{5}$ $\frac{1}{10}$

# DIGITAL VERSION

The digital version is created in Google Slides™. Students will use the x's to eliminate the fractions after reading each clue.

Use one or two slides at a time as a daily math warm-up, or to add to the day's assignment!

### MYSTERY FRACTION #3

USE THE CLUES TO ELIMINATE FRACTIONS.

**Clue #1:** I am not an improper fraction.


**Clue #2:** My denominator is an even number.

**Clue #3:** I am more than one-half.

**Clue #4:** My denominator is less than 8.

**Clue #5:** The difference between my numerator and denominator is 1.

Use the X to eliminate the fractions.



### MYSTERY FRACTION #7

USE THE CLUES TO ELIMINATE FRACTIONS.

**Clue #1:** The sum of my digits is less than 10.


**Clue #2:** My numerator is a 1.

**Clue #3:** My denominator is an even number.

**Clue #4:** My denominator is a multiple of 4.

**Clue #5:** The difference between my numerator and denominator is 1.

Use the X to eliminate the fractions.



### MYSTERY FRACTION #13

USE THE CLUES TO ELIMINATE FRACTIONS.

**Clue #1:** I am a mixed number.

**Clue #2:** My numerator is an odd number.


**Clue #3:** My whole number is less than 5.

**Clue #4:** My denominator is an even number.

**Clue #5:** I am equivalent to seven-sixths.

Use the X to eliminate the fractions.

The mystery fraction is:



7 <sup>1</sup>/<sub>8</sub>    8/2    1 <sup>2</sup>/<sub>5</sub>    1 <sup>1</sup>/<sub>2</sub>    3/12

1 <sup>1</sup>/<sub>6</sub>    2 <sup>1</sup>/<sub>9</sub>    1 <sup>1</sup>/<sub>4</sub>    4/7    6 <sup>3</sup>/<sub>4</sub>

thank you for your interest!

[www.ShelleyGrayTeaching.com](http://www.ShelleyGrayTeaching.com)