

# Grade 4: Fraction Concepts

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DMTI VARIED PRACTICE

# DMTI Varied Practice Worksheets

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This ppt displays the worksheets that have varied situations (context, visual, equations, and other mathematical models) for students to work on. By completing these worksheets, students increase their foundational skills in the topic, which will help them with these standards and future mathematical topics.

1. If using a journal, have students present the worksheet and complete all the problems.
2. Or print the student 'Varied Practice Worksheets' using the link below for them to work on. Then, you can return to the ppt to look at the keys to check their work.

[\[Print Varied Practice Worksheets\]](#)

# Grade 4: Fraction Concepts– Part 1

## Materials Needed

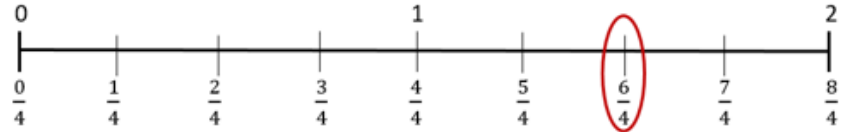
Printed copies of the Fraction Concepts- Part 1 worksheet

## Instructions


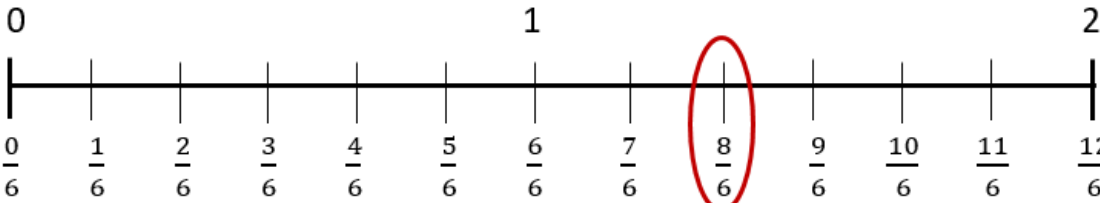
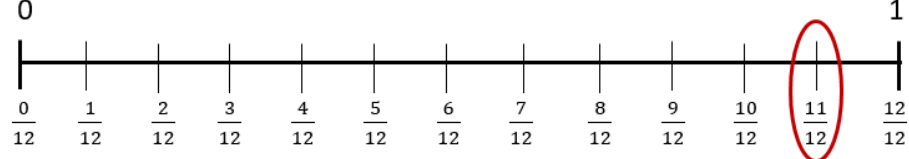
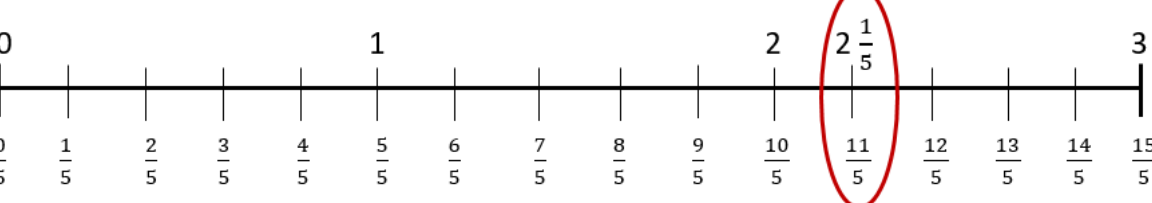
1. You will be given a **fraction**. You will need to model the fraction with a **number line**. Make sure to fully label your number line. Then, complete the **sentence frame** that describes the fraction.
2. You will also need to **rename** the fraction as either an improper fraction or as a mixed number if it is greater than 1.

Remember that a **unit fraction** is any fraction with 1 as the numerator.

**Example:**

Fraction	Number Line	Sentence Frame	Improper Fraction or Mixed Number
$\frac{6}{4}$		<i>I composed <math>\frac{6}{4}</math> by iterating the unit fraction <math>\frac{1}{4}</math> six times.</i>	$1\frac{2}{4}$

Fraction	Number Line	Sentence Frame	Improper Fraction or Mixed Number
$\frac{7}{4}$		<i>I composed <math>\frac{7}{4}</math> by iterating the unit fraction <math>\frac{1}{4}</math> _____ times.</i>	
$\frac{8}{6}$		<i>I composed <math>\frac{8}{6}</math> by iterating the unit fraction <math>\frac{1}{6}</math> _____ times.</i>	
$\frac{11}{12}$		<i>I composed <math>\frac{11}{12}</math> by iterating the unit fraction <math>\frac{1}{12}</math> _____ times.</i>	
$2\frac{1}{5}$		<i>I composed <math>2\frac{1}{5}</math> by iterating the unit fraction <math>\frac{1}{5}</math> _____ times.</i>	

Fraction	Number Line	Sentence Frame	Improper Fraction or Mixed Number
$\frac{7}{4}$	 <p>A number line from 0 to 2 with major tick marks at 0, 1, and 2. Minor tick marks are placed every 1/4 unit. Labels below the line are 0/4, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, and 8/4. The tick mark for 7/4 is circled in red.</p>	<p>I composed <math>\frac{7}{4}</math> by iterating the unit fraction <math>\frac{1}{4}</math> seven times.</p>	$1\frac{3}{4}$
$\frac{8}{6}$	 <p>A number line from 0 to 2 with major tick marks at 0, 1, and 2. Minor tick marks are placed every 1/6 unit. Labels below the line are 0/6, 1/6, 2/6, 3/6, 4/6, 5/6, 6/6, 7/6, 8/6, 9/6, 10/6, 11/6, and 12/6. The tick mark for 8/6 is circled in red.</p>	<p>I composed <math>\frac{8}{6}</math> by iterating the unit fraction <math>\frac{1}{6}</math> eight times.</p>	$1\frac{2}{6}$
$\frac{11}{12}$	 <p>A number line from 0 to 1 with major tick marks at 0 and 1. Minor tick marks are placed every 1/12 unit. Labels below the line are 0/12, 1/12, 2/12, 3/12, 4/12, 5/12, 6/12, 7/12, 8/12, 9/12, 10/12, 11/12, and 12/12. The tick mark for 11/12 is circled in red.</p>	<p>I composed <math>\frac{11}{12}</math> by iterating the unit fraction <math>\frac{1}{12}</math> eleven times.</p>	<p>None</p>
$2\frac{1}{5}$	 <p>A number line from 0 to 3 with major tick marks at 0, 1, 2, and 3. Minor tick marks are placed every 1/5 unit. Labels below the line are 0/5, 1/5, 2/5, 3/5, 4/5, 5/5, 6/5, 7/5, 8/5, 9/5, 10/5, 11/5, 12/5, 13/5, 14/5, and 15/5. The tick mark for 11/5 is circled in red.</p>	<p>I composed <math>2\frac{1}{5}</math> by iterating the unit fraction <math>\frac{1}{5}</math> eleven times.</p>	$\frac{11}{5}$