# Grade 4 Mathematics
Week of November 2 – November 6

Lesson 2.1: Introduction to Fractions and 2.2 Comparing Fractions

Lesson Materials

- Lessons for Section 2.1 Introduction to Fractions and 2.2 Comparing Fractions
- Introduction to Fractions Learning Guide and Comparing Fractions Learning Guide(This PDF)
- ***Note that you will continue with Lesson 2.2 next week***

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the "Table of Contents" at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.
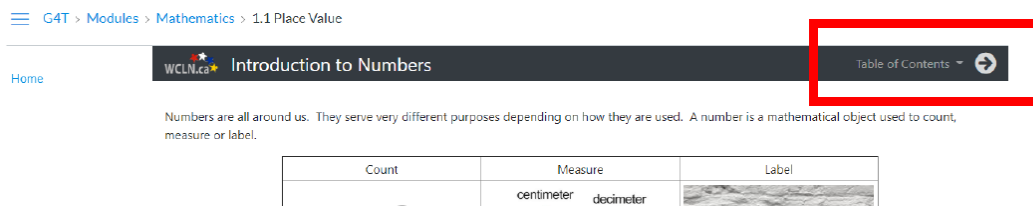
Work through the online lessons for this section. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

Monday	Wednesday
• 2.1 Introduction • Matching Fractions • Part of a Whole • On a Number Line • Your Turn • Practice • LG 2.1 #1-2, p. 1-2 **Tuesday** • Fractions as Part of a Set • Practice • Fractions and Sports • Fraction Wall* • LG #3-9, p. 2	• Fractions to the Tenths • Fractions and Decimals • Fractions and Hundredths • Tenths or Hundredths • LG #10-11, p. 3 **Thursday** • 2.2 Introduction • Pizzas • Practice • Try This • Spider Love • LG 2.2 #1, p. 4 **Friday** • On a Number Line • Fraction Wall • Your Turn • LG 2.2 #2, p 5

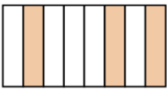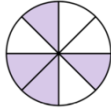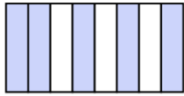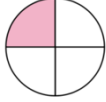(*image and first part of text is incorrect here; important part is the different ways that 5/6 can be written)

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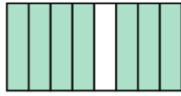
UNIT 2 LEARNING GUIDE – FRACTIONS & DECIMALS

INSTRUCTIONS:

Using a pencil complete the following questions as you work through the related lessons. Show ALL of your work as is explained in the lessons. Do your best and always ask questions if there is anything that you don't understand.

2.1 INTRODUCTION TO FRACTIONS

1. Write the shaded amount as a fraction of the whole amount.

Example: $\frac{3}{8}$	a)	b)	c)	d)
e)	f)	g)	h)	i)

2. Label the number lines below with fractions

a)

b)

c)

d)
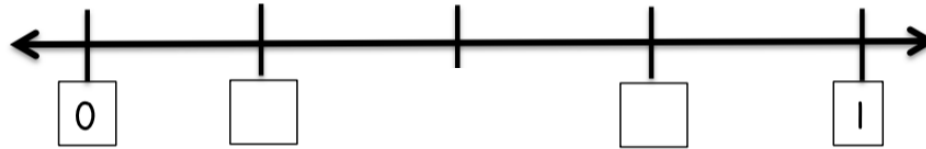
3. Fran baked 12 lemon tarts for her son, Bob. He gobbled up 4 tarts. What fraction of lemon tarts did Bob eat?

4. Gina travels a distance of 7 kilometers to reach home. The bus ride covers 5 kilometers. She then walks 2 kilometers to reach her home. What fraction of kilometers does Gina travel by bus?

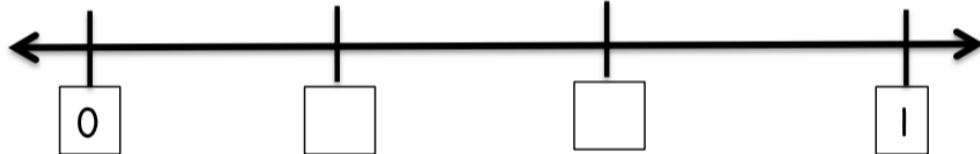5. Anne has 24 pencils in a box. Eighteen pencils have #2 marked on them and the 6 are marked #3. What fraction of pencils are marked #3?

6. Dylan has a total of 25 marbles. He gives 5 marbles to his sister, Jane. What fraction of marbles did Jane receive?

7. Emily places 15 roses in a beautiful glass vase. It holds 6 yellow roses and 9 red roses. What fraction of roses are red?

8. John owns a total of 14 pairs of socks of which 7 pairs are black and the rest are blue. What fraction of pairs of socks are blue?

9. Zoe spotted a total of 39 parrots in an aviary at the Vancouver Zoo. She counted 18 macaws and 21 cockatoos. What fraction of macaws did Zoe spot at the aviary?

10 Write the decimal and fraction shown by each square

a) b) c) d) e)

f) g) h) i) j)
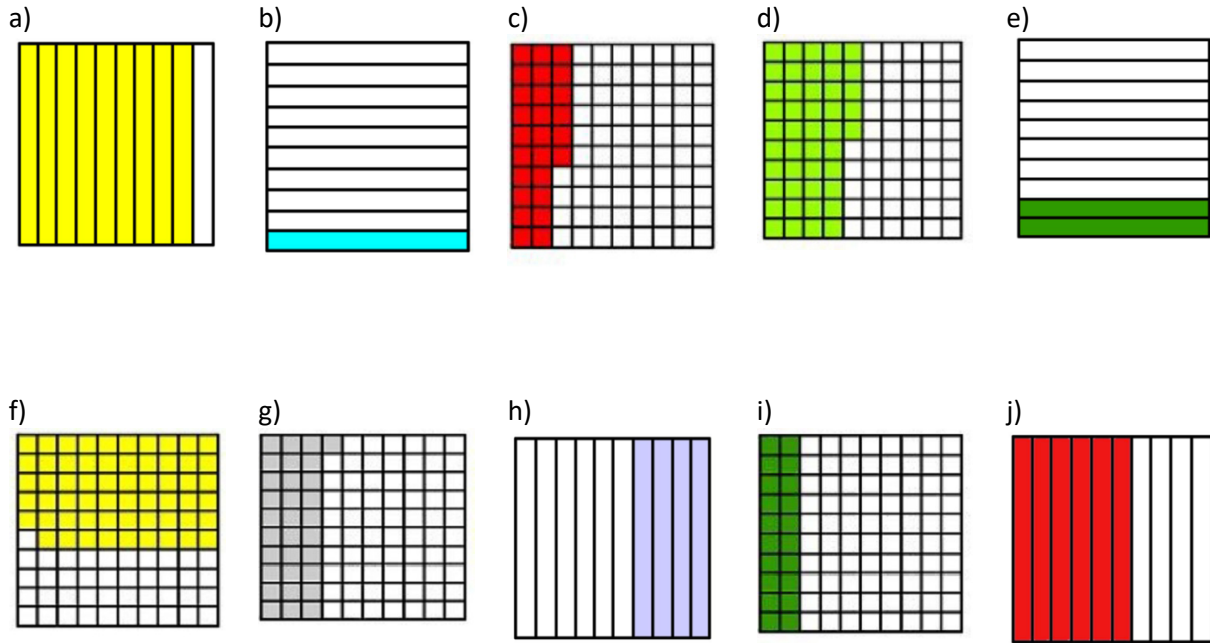
11. Write the following decimals as fractions.

a) 0.03 _____

b) 0.4 _____

c) 0.34 _____

d) 0.23 _____

e) 0.14 _____

f) 0.3 _____

g) 0.7 _____

i) 0.88 _____

j) 0.2 _____

2.2 COMPARING FRACTIONS

1. Colour the shapes that have the same value the same colour.

$\frac{3}{9}$ $\frac{1}{10}$ $\frac{2}{4}$ $\frac{5}{15}$

$\frac{3}{2}$ $\frac{8}{8}$ $\frac{9}{12}$ $\frac{10}{5}$ $\frac{6}{4}$

$\frac{50}{100}$ $\frac{4}{8}$

$\frac{6}{8}$ $\frac{15}{18}$ 2

$\frac{3}{6}$ $\frac{3}{30}$ $\frac{5}{6}$

1 $\frac{1}{3}$ $\frac{3}{4}$

$\frac{4}{12}$ $\frac{2}{20}$ $\frac{1}{2}$

Adapted from Education.com

2. On the fraction wall below,

- Colour all fractions equal to $\frac{2}{3}$ red
- Colour all fractions equal to $\frac{3}{5}$ blue
- Colour all fractions equal to $\frac{1}{8}$ yellow

1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$				
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$		
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$