

In an effort to keep parents and guardians informed of the expectations and content being covered in math class this year, this informational handout will be provided for each chapter. Its intent is to assist in guiding you in ways to support your child in deepening their mathematical understanding.



Scan the QR code to check out teaching strategies for this chapter.

In each chapter we will spend time reviewing material taught in prior grades as it relates to the standards being taught in fourth grade. Our goal is to keep a balance of skill based learning along with enhancing our student's ability to problem solve and think conceptually.

Review Material from Prior Grades
<ol style="list-style-type: none"> 1) Recognize fractions as a part-whole relationship. (3.NF.1) 2) Represent fractional amounts in various ways. (3.NF.2) 3) Equivalent fractions and compare fractions. (3.NF.3)
New Material for 4th Grade
<ol style="list-style-type: none"> 1) I can express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100. (4.NF.5) 2) I can use decimal notation for fractions with denominators 10 or 100. (4.NF.6) 3) I can compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole. Record the results of comparisons with the symbols $>$, $<$, or $=$ and justify the conclusions. (4.NF.7)
End of Chapter Expectations
<ol style="list-style-type: none"> 1) Chapter Assessment

*Please note the list above highlights the main skills to be assessed. Teachers may include additional content to meet the needs of their students.

Strategies for Fractions and Decimals

☺ **Family Practice** ☺

Check out some of these free, math websites to practice fraction and decimal skills and concepts.

- 1) Locating Decimals on a Number Line- PacMan
http://www.sheppardsoftware.com/mathgames/decimals/mathman_decimal_numberline.htm
- 2) Animal Rescue! Fractions and Decimals on a Number Line
<http://www.sheppardsoftware.com/mathgames/fractions/AnimalRescueAdvancedFractionsNumberLineGame.htm>
- 3) Balloon Pop Math- Ordering Decimals
<http://www.sheppardsoftware.com/mathgames/decimals/BalloonPopDecimals1.htm>

Decimal Place Value Chart

Whole number part			Decimal part	
Hundreds	Tens	Ones	Tenths	Hundredths
1	7	3	8	9

100 70 3 $\frac{8}{10} = 0.8$ $\frac{9}{100} = 0.09$

Decimal

Decimal Place Value Chart (with models)

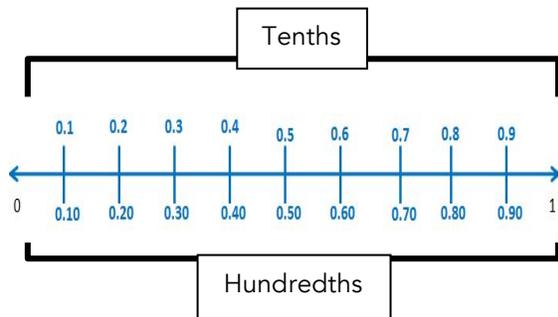
Hundreds 100	Tens 10	Ones 1	Tenths $\frac{1}{10}$	Hundredths $\frac{1}{100}$	Thousandths $\frac{1}{1000}$
1 = 10					

*Please note the list above highlights the main skills to be assessed. Teachers may include additional content to meet the needs of their students.

Strategies for Fractions and Decimals, Continued

Finding Equivalent Fractions/Decimals (using a number line- tenths and hundredths)

You can divide a number line into tenths and hundredths and then compare the decimals.

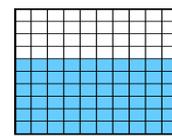


Finding Equivalent Fractions/Decimals (using a model- tenths and hundredths)

You can draw a square to create a fraction model for tenths and hundredths. Then shade them in to compare.



0.6
six tenths



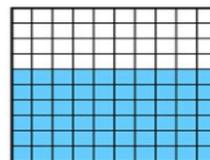
0.60
sixty hundredths

Finding Equivalent Fractions/Decimals for Tenths and Hundredths Anchor Chart

6 pennies

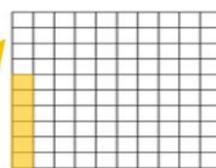
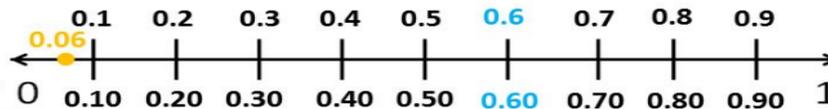


0.6
six tenths

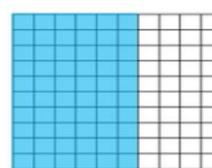


0.60
sixty hundredths

6 dimes



.06
six hundredths



.60
sixty hundredths

*Please note the list above highlights the main skills to be assessed. Teachers may include additional content to meet the needs of their students.

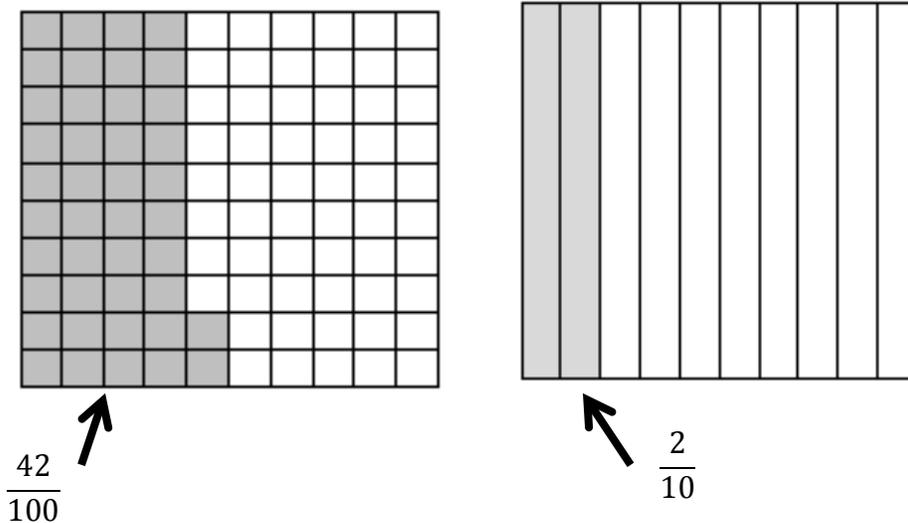
Strategies for Fractions and Decimals, Continued

Adding Tenths and Hundredths (with models)

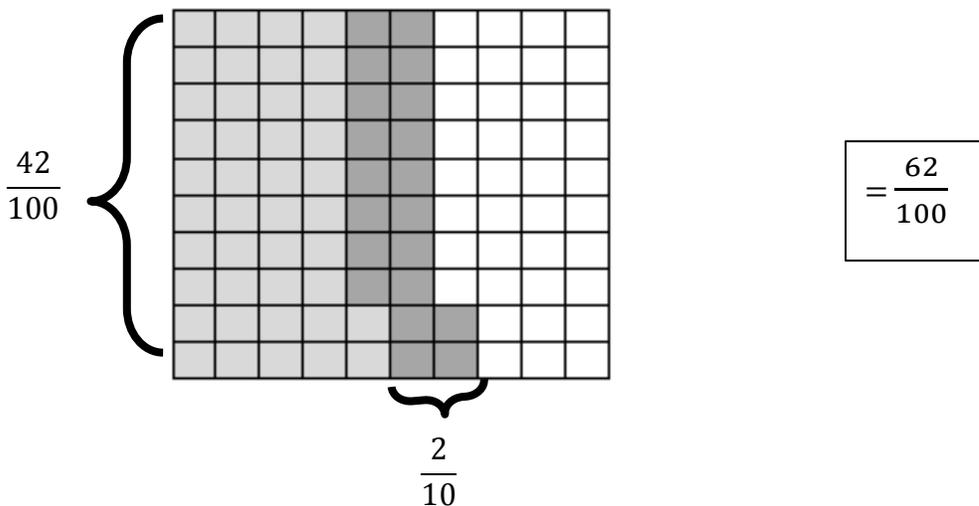
Example: $\frac{2}{10} + \frac{42}{100} =$

Steps:

- 1) Shade in the hundredths and the tenths.



- 2) Once combined, count how many hundredths are shaded.



*Please note the list above highlights the main skills to be assessed. Teachers may include additional content to meet the needs of their students.