



NAME \_\_\_\_\_

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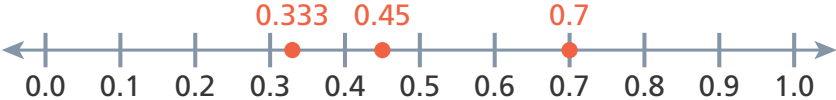
(PAGE 1 OF 2)

# About the Mathematics in This Unit

Dear Family,

Our class is starting a new mathematics unit about decimals called *Between 0 and 1*. In this unit, students investigate the meaning of decimals. They develop an understanding of the relationships between fractions and decimals, and they use knowledge of number relationships and a variety of representations and models to compare and order decimals and to add and subtract decimals.

Throughout the unit, students work toward these goals:

Benchmarks/Goals	Examples										
Write, compare, and round decimals to thousandths.	<p>What is the order of these decimals from least to greatest? 0.7, 0.333, 0.45</p> <p><i>To solve this problem, I thought about tenths. 0.7 is seven tenths. 0.333 is a little more than three tenths. 0.45 is between four tenths and five tenths.</i></p>  <p><math>0.333 &lt; 0.45 &lt; 0.7</math></p>										
Add and subtract decimals.	<div><p>A jeweler has 3 small pieces of gold that weigh 2.2 grams, 1.06 grams, and 1.425 grams. How much gold does the jeweler have in all?</p><table><tr><th>Estimate</th><th>Solution</th></tr><tr><td>2.2 is close to 2.</td><td><math>2 + 1 + 1 = 4</math></td></tr><tr><td>1.06 is close to 1.</td><td><math>0.2 + 0.4 = 0.6</math></td></tr><tr><td>1.425 is close to <math>1\frac{1}{2}</math>.</td><td><math>0.06 + 0.02 = 0.08</math></td></tr><tr><td>The answer should be about <math>4\frac{1}{2}</math> or about 4.5.</td><td><math display="block">\begin{array}{r} + 0.005 \\ \hline 4.685 \end{array}</math></td></tr></table></div>	Estimate	Solution	2.2 is close to 2.	$2 + 1 + 1 = 4$	1.06 is close to 1.	$0.2 + 0.4 = 0.6$	1.425 is close to $1\frac{1}{2}$ .	$0.06 + 0.02 = 0.08$	The answer should be about $4\frac{1}{2}$ or about 4.5.	$\begin{array}{r} + 0.005 \\ \hline 4.685 \end{array}$
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(PAGE 2 OF 2)

## About the Mathematics in This Unit

In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is most important that students accurately and efficiently solve math problems in ways that make sense to them. At home, encourage your child to explain his or her math thinking to you. Please look for more information and activities about *Between 0 and 1* that will be sent home in the coming weeks.