



St John Fisher RC Primary School

Year 4 Maths Knowledge Organiser

Summer Term Two- Block One – Decimals

Objectives	Teacher
Partition decimals	
Compare decimals	
Order decimals	

Partition decimals	Compare decimals	Order decimals
<p> $0.6 + 0.05 = 0.65$ $0.6 + 0.06 = 0.66$ </p>	<p> The values in the ones column are the same, so I need to look at the values in the tenths column. The values in the tenths column are the same, so I need to look at the values in the hundredths column. </p>	<p> What number is represented in each place value chart? 5.21 3.36 </p> <p> Write the numbers in order, starting with the smallest. 3.36 5.21 </p>

Key Vocabulary

Compare	To look at two or more decimal numbers to see which is bigger, smaller, or if they are the same
Decimal	A fraction of a whole number (integer) shown after the decimal point
Decimal point	The dot symbol used to separate integer part from the decimal fraction part of a number
Fraction	A part of a whole, expressed as a number over another (e.g., 1/2)
Halves	One of two equal parts of a whole, shown as 0.5 in decimal form
Order	To arrange decimal numbers from smallest to largest or the other way around
Partition	Dividing a whole into smaller, equal parts that can be shown using decimals
Quarters	One of four equal parts of a whole, represented as 0.25 in decimal form

Sentence Stems

There are ___ ones, ___ tenths and ___ hundredths. The number is _____	There are ___ ones, ___ tenths and ___ hundredths.
To compare numbers, I need to start by comparing the digits in the _____ place value column	The digit in the _____ column is _____ than the other numbers. This number is the _____

Assessment (Self-Assessment)

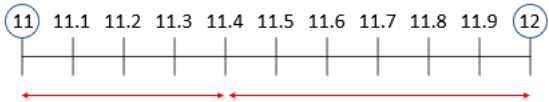
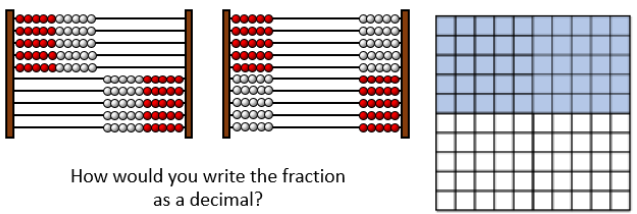


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Objectives	Teacher
Round to the nearest whole number	
Halves and quarter as decimals	

Round to the nearest whole number	Halves and quarter as decimals
 <p>Which whole numbers does 11.4 lie between?</p> <p style="text-align: center;">11 11.4 12</p> <p>11.4 is closer to 11 than 12</p> <p>11.4 rounded to the nearest whole number is 11</p>	 <p>How would you write the fraction as a decimal?</p> <p style="text-align: center;">$\frac{1}{2} = 0.5$</p> <p style="text-align: right;">$\frac{1}{4} = \frac{25}{100} = 0.25$</p>

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Sentence Stems	
_____ lies between _____ and _____	$\frac{1}{2} = \frac{\square}{100} = 0.\text{_____}$
_____ rounds to _____ to the nearest whole number	$\frac{1}{4} = \frac{\square}{100} = 0.\text{_____}$

Assessment (Self-Assessment)