



**KIRF: I can recall equivalences between fractions, decimals, percentages.**

This half term, the children will be learning equivalences between fractions, decimals, percentages. The aim is for them to be able to recall these facts instantly.

<p><b>Some examples of questions:</b></p>	<p>Children should also be able to work out:  <math>\frac{3}{5}</math> if they know <math>\frac{1}{5}</math>  <math>\frac{4}{10}</math> if they know <math>\frac{1}{10}</math> etc</p>	<p><b>Key Vocabulary:</b>                  fraction, decimal, percentage, equivalent, half, quarter, fifth, tenth, hundredth, decimal point,</p> <p>Write 0.5 as a fraction.                  Write <math>\frac{3}{4}</math> as a decimal.                  How many tenths are there in 0.8?                  How many hundredths are there in 0.12?</p>
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**What can this look like?  
 Concrete, Pictorial Abstract:**

<p>Here is an array of 100 counters.</p> <p>a) What fraction of the array of counters is red?                  b) What fraction of the array of counters is yellow?</p>	<p>What percentage of the hundred square is shaded?</p> <p>What fraction of the hundred square is shaded?</p>	$\frac{9}{10} = \frac{\square}{100} = \square \%$ <p style="text-align: center;">9%                      0.9</p> $9\% = \frac{9}{100} \qquad \frac{9}{100} = 0.09$ $0.7 = \frac{7}{10} = \frac{70}{100} \qquad \frac{70}{100} = 70\%$
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**Activity ideas:**  
*The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.*

Make some cards with pairs of equivalents. Use these to play the memory game or snap.  
 Make your own dominoes with fractions on one side and decimals or percentages on the other.  
 Create a board game or a treasure hunt related to equivalents.  
 Make some flashcards and ask a family member to test you!

**Websites:**  
[MyMaths](#)- weekly home learning.  
[Fractions-and-decimals](#)  
[Nrich](#)  
[BBC Bitesize](#)  
[Percentages and decimals](#)