## Maths Assessment Year 5 Term 3: Fractions

1. Compare and order fractions whose denominators are all multiples of the same number.

a) Use the symbols <, > or = to compare these fractions:

	< or >	
<u>4</u> 5		<u>9</u> 10
<u>7</u> 12		<u>3</u> 6
<u>3</u> 4		<u>9</u> 12

## b) Order these fractions from smallest to largest:



- 2. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
- a) Here is a rectangle.  $\frac{6}{18}$  of the square has been shaded. Use the diagram to help you write two equivalent fractions of  $\frac{6}{18}$ .

<u>6</u> 18	=		=		
		$\square$	,	$\square$	_

b) Write 3 fractions equivalent to 3/4:





2 marks







60 total mark

twinkl

3 marks

**3**. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example,  $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$ ].

4 marks

4 marks

2 marks

2 marks

improper fraction	mixed number
<u>14</u>	$4 \frac{1}{4}$
<u>17</u> 4	$2 \frac{1}{4}$
<u>15</u> 4	$3 \frac{3}{4}$
<u>9</u> 4	$3 \frac{1}{2}$

a) Draw lines to match the following improper fractions and mixed numbers:

**b)** Complete the following table:

Improper fraction	Mixed number
<u>12</u> 5	
<u>19</u> 6	
	$2\frac{7}{8}$
	$1\frac{1}{2}$

c) Add these fractions and write the answer as a mixed number:





**4.** Add and subtract fractions with the same denominator, and denominators that are multiples of the same number.









6. Read and write decimal numbers as fractions

Complete this table, writing decimals as fractions and fractions as decimals:

decimals	fractions	
	<u>16</u> 100	
0.07		
0.9		
	<u>87</u> 100	

**7.** Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

## Complete the missing boxes:



4 marks

Number	Rounded to the ne (e.g. tenth, whole n	earest umber)	Number to it is round	which ded
3.73			4	
8.73			3.7	
28.92			28.9	
28.92			29	
Use the symb	ols < or > to com	npare t	hese decimal	.s:
45.54		45	5.45	-
203.02		20	3.1	-
781.78		78	31.779	
6067.67		60	67.7	]
) order these n	umbers from large	est to s	mallest;	
55.00	5 550	0.05		50.5
argest				
<b>.</b> Solve problem	s involving numbe	• •	o 3 decimal r	• • •
1 nint - 0	568 litros			
a) A recipe say	js Jack needs 1 1/ stock should be us	2 pint	s of stock, bu	ıt he o
	SLOCK SHOULD HE US			

6

<b>b)</b> 1 gallon is 8 pints. How many litres is 1 gallon?

**11**.Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction.

percentage	fraction	decimal
		0.34
	<u>7</u> 10	
99%		
		0.06
	<u>46</u> 100	

Complete this table:



2 marks







