Year 3 maths – Summer 2 Week beginning: 1.6.20									
Theme	Fractions Lesson 11 Finding Equivalent Fractions	Fractions Lesson 12 Finding the Simplest Fractions	Fractions Lesson 13 Comparing Fractions	Fractions Lesson 14 Comparing Fractions	Fractions Lesson 15 Adding Fractions				
Factual fluency (to aid fluency)	Can you identify unit fractions on a number line?	Can you identify fractions on a number line?	Write the correct amount that the fraction bar is shaded in	Shade in the fraction of the bar and write the fraction	Are the division facts for 2, 5 and 10 true or false?				
Problem/ activity of the day Remember, just like in class, you can still show the depth of your knowledge LINK	MAKING LINKS:       Last week we learnt that some fractions can be equivalent. Today we are going to continue practising this new learning.         THINK:       (support below)         Can you help me with this problem? You can use a strip of paper, or a real life object like a chocolate bar to help you.         Image: Charlen of the second s	MAKING LINKS: continued practising finding equivalent fractions.IHINK: (support below) Can you help me with this problem? $\frac{1}{2}$ </th <th>(Lesson 3 resources below)         MAKING LINKS:       Yesterday we were finding fractions in their simplest forms.         IHINK: (support below)         With a piece of paper, cut it into a square. You may cut, fold or write on the paper to help you.         Ahmed and Gemma each have a paper square of the same size.         Ahmed cuts the square into 2 equal parts and keeps 1 part.         Gemma cuts the square into 4 equal parts and keeps 1 part.         Who keeps a bigger part, Ahmed or Gemma?         Ahmed cuts his square into 2 equal parts and keeps 1 part.         Who keeps a bigger part, Ahmed or Gemma?         Sette: (model below)         Watch lesson video here.         DO: Use what you have learnt today to answer the questions below.</th> <th>(Lesson 4 resources below) <u>MAKING LINKS:</u> Yesterday we were comparing unit fractions. <b>THINK: (support below)</b>          Image: Comparing unit fractions         Image: Comparing unit fracting unit fract</th> <th>(Lesson 5 resources below) <u>MAKING LINKS:</u> Yesterday we compared fractions with the same denominator.          <u>THINK: (support below)</u>         Can you help me with this problem?         Charles took <math>\frac{1}{6}</math> of the berries in the box. Ruby took <math>\frac{3}{6}</math> of the berries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the box. What fraction of the berries did Charles and Ruby take altogether?         Image: State of the derries in the</br></br></br></th>	(Lesson 3 resources below)         MAKING LINKS:       Yesterday we were finding fractions in their simplest forms.         IHINK: (support below)         With a piece of paper, cut it into a square. You may cut, fold or write on the paper to help you.         Ahmed and Gemma each have a paper square of the same size.         Ahmed cuts the square into 2 equal parts and keeps 1 part.         Gemma cuts the square into 4 equal parts and keeps 1 part.         Who keeps a bigger part, Ahmed or Gemma?         Ahmed cuts his square into 2 equal parts and keeps 1 part.         Who keeps a bigger part, Ahmed or Gemma?         Sette: (model below)         Watch lesson video here.         DO: Use what you have learnt today to answer the questions below.	(Lesson 4 resources below) <u>MAKING LINKS:</u> Yesterday we were comparing unit fractions. <b>THINK: (support below)</b> Image: Comparing unit fractions         Image: Comparing unit fracting unit fract	(Lesson 5 resources below) <u>MAKING LINKS:</u> Yesterday we compared fractions with the same denominator. <u>THINK: (support below)</u> Can you help me with this problem?         Charles took $\frac{1}{6}$ of the berries in the box. Ruby took $\frac{3}{6}$ of the berries in the box. What fraction of the 				
Methods, tips, clues & checks	Day 1 resources and answers (below)	Day 2 resources and answers (below)	Day 3 resources and answers (below)	Day 4 resources and answers (below)	Day 5 resources and answers (below)				

See below for resources to support you to THINK-SEE-DO



#### DAY 1 RESOURCES:





#### **DAY 2 RESOURCES**



## DAY 3 RESOURCES



#### **DAY 4 RESOURCES**



## DAY 5 RESOURCES:

## **THINK:** Can you help me with this problem? Charles took $\frac{1}{6}$ of the berries in the box. Ruby took $\frac{3}{6}$ of the berries in the box. What fraction of the berries did Charles and Ruby take altogether?

Give the answer in its simplest form.

## SEE: See video



Charles took  $\frac{1}{6}$  of the berries in the box.

Ruby took  $\frac{3}{6}$  of the berries in the box.

1 sixth + 3 sixths = 4 sixths

 $\frac{1}{6} + \frac{3}{6} = \frac{4}{6}$ 





<u>)0:</u>	
1.	Add and fill in the blanks. Write each fraction in its simplest form.
Sh	ade the bars to help you.
a)	
	$\frac{2}{3} + \frac{1}{3} =$
b)	
	$\frac{4}{2} + \frac{2}{2} =$
	8 8
2.	Add and write each fraction in its simplest form. You can always draw a ba to help you.
	a) $\frac{2}{5} + \frac{3}{5} =$
	b) $\frac{7}{12} + \frac{1}{12} =$
	c) $\frac{2}{8} + \frac{2}{8} =$

d)  $\frac{2}{6} + \frac{2}{6} =$ 

Deepening: How do you know when a fraction can't be simplified? Explain using diagrams as well as words.



# **Answers:**

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	<u>Day 5</u>
$\frac{1}{3} = \frac{2}{6}$	$\frac{18}{20} = \frac{9}{10}$	1. $\frac{1}{4}$	1. $\frac{5}{6}$	1. a) $\frac{3}{3} = 1$
$\frac{-}{4} = \frac{-}{8}$	$\frac{14}{24} = \frac{7}{12}$	$\frac{1}{7}$	$\frac{4}{9}$	b) $\frac{6}{8} = \frac{3}{4}$
$\frac{1}{5} = \frac{1}{10}$	$\frac{3}{30} = \frac{1}{10}$	2. a) >	2. a) <	
$\frac{1}{6} - \frac{1}{12}$	$\frac{4}{40} = \frac{1}{10}$	b) >	b) >	2. a) $\frac{5}{5} = 1$
$\frac{1}{3} = \frac{1}{9}$	$\frac{10}{45} = \frac{2}{9}$	c) <	c) >	b) $\frac{8}{12} = \frac{2}{3}$
$\frac{4}{5} = \frac{12}{15}$	$\frac{2}{6} = \frac{1}{3}$	3. $\frac{1}{3}$ is greater than $\frac{1}{7}$ because when a whole is cut into three equal parts, each part will be bigger than when it is cut into	d) < 3. $\frac{3}{5}$ is greater than $\frac{2}{5}$ because in both fractions, the whole is split into five equal parts (fifths), but in the fraction $\frac{3}{5}$ , we are looking at three of those parts. In the fraction $\frac{2}{5}$ , we are looking at only two of those parts. Because each individual part must be the same size as each other because both fractions are fifths, 3 of those parts.	C) $\frac{4}{8} = \frac{1}{2}$
Max is correct. As long as the numerator is half of the denominator, the fraction represents $\frac{1}{2}$ .	$\frac{5}{15} = \frac{1}{3}$	seven equal parts. You can see on the diagram that $\frac{1}{3}$ is greater than $\frac{1}{7}$ .		d) $\frac{4}{6} = \frac{2}{3}$
	$\frac{45}{50} = \frac{9}{10}$			Deepening: You know a fraction is in its simplest form and can't be simplified if you cannot divide the numerator and the denominator by the same number equally. For example, in the fraction $\frac{6}{8}$ , both 6 and 8 can be divided by 2. 6 $\div$ 2 = 3 and 8 $\div$ 2 = 4, so it can be simplified to become $\frac{3}{4}$ . You cannot divide 3 and 4 by the same number equally, so this is the fraction in its simplest form.
	Deepening: No, if the numerator is 1 then the fraction is in its' simplest form. That is because 1 cannot be divided to find an answer that is a whole number (unless you divide it by 1 which means it stays the same).	Deepening: Tom is correct. $\frac{3}{3}$ is equal to 1 because the whole is split into three equal parts, but 3 thirds means all three of them, which is the same as one whole.		

