Stage 3 Maths Program

NSW K-10 Mathematics Syllabus Outcomes

Fractions and Decimals (1) - Relate to Length MA3-7NA - Compares, orders and calculates with fractions, decimals and percentages

- and order unit fractions with denominators 2, 3, 4, 5, 6, 8, 10, 12 and 100
- Model and represent strategies to add and subtract fractions with the same denominator
- Express mixed numerals as improper fractions and vice versa

Length (1)

MA3-9MG - Selects and uses the appropriate unit and device to measure lengths and distances, calculates perimeters, and converts between units of length

- Use the kilometre to measure lengths and distances
- Select and use appropriate instruments and units to measure lengths
- Record lengths and distances using the abbreviations km, m, cm and mm

Working Mathematically

- MA3-1WM Describes and represents mathematical situations in a variety of ways using mathematical terminology and some conventions
- MA3-2WM Selects and applies appropriate problem-solving strategies, including the use of digital technologies, in undertaking investigations
- MA3-3WM Gives a valid reason for supporting one possible solution over another

Assessment

Pre – Test

Post – Test

Term 1 Week 4

Learning Goal – Fractions and Decimals (refer to outcome)

Success Criteria - Fractions and Decimals (refer to indicators)

TIB – Fractions are important because they tell you what portion of a whole you need, have, or want. Fractions are used in many situations including baking, telling time and dividing people or objects into groups etc

Learning Goal – Length (refer to outcome)

Success Criteria – Length (refer to indicators)

TIB – We need to be able to accurately measure lengths and distances in everyday situations.

Homework - None this week - Starts Week 5

Mel Reskic and Alliera Carroll – Shell Cove Public School

Mathematics Weekly Plan **Term – 1** 2 3 4 **Week –** 1 2 3 **4** 5 6 7 8 9 10 11 **Strands** – Fractions and Decimals (1)/Length (1)

		Monday	Tuesday	Wednesday	Thursday	Friday	
	Key Ideas:		Da	Data			
Warm Up		Pre-Test: Fractions & Length	Ninja Maths	Ninja Maths	5 Minute Frenzy	Post-Test: Fractions & Length	
Problem of the Day		https://numeracyskills.com.au /resources/Stage 3 Diagnostic s Task Job.pdf Pre-Test: Fractions: Stage 3: Fractions and Decimals Image: Stage 3: Length Image: Stage 3: Length <th>Open Ended Fraction problem: Some children shared 12 stickers equally. What fraction of the total number of stickers might each child get? How many stickers would that be? Possible responses: If 2 children shared the stickers, they would each get 1/2 of the stickers, or 6 stickers. If 6 children shared the stickers, they would each get 1/6 of the stickers, or 2 stickers.</th> <th>Adding Fractions: Mike picked 1/4 of a bucket of pears, and Tim picked 3/4 of a bucket of pears. How many buckets total did they pick? = 1 bucket: ½ + ¾ = 1 whole. Subtracting Fractions: Sally spends 5/9 of an hour working and also spends 1/9 of an hour at the park. How much less time does Sally spend at the park compared to working? = 4/9 of an hour.</th> <th>Converting Improper Fractions to Mixed Numbers Problems: 11/2 = 5 1/2 10/3 = 3 1/3 Converting Mixed Numbers to Improper Fractions Problems: 9 7/8 = 79/8 7 1/2 = 15/2</th> <th>Post-Test: Fractions: If there to be not be used to b</th>	Open Ended Fraction problem: Some children shared 12 stickers equally. What fraction of the total number of stickers might each child get? How many stickers would that be? Possible responses: If 2 children shared the stickers, they would each get 1/2 of the stickers, or 6 stickers. If 6 children shared the stickers, they would each get 1/6 of the stickers, or 2 stickers.	Adding Fractions: Mike picked 1/4 of a bucket of pears, and Tim picked 3/4 of a bucket of pears. How many buckets total did they pick? = 1 bucket: ½ + ¾ = 1 whole. Subtracting Fractions: Sally spends 5/9 of an hour working and also spends 1/9 of an hour at the park. How much less time does Sally spend at the park compared to working? = 4/9 of an hour.	Converting Improper Fractions to Mixed Numbers Problems: 11/2 = 5 1/2 10/3 = 3 1/3 Converting Mixed Numbers to Improper Fractions Problems: 9 7/8 = 79/8 7 1/2 = 15/2	Post-Test: Fractions: If there to be not be used to b	

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<form><form><form><form><form><form><form><form><form></form></form></form></form></form></form></form></form></form>		out and briefly colour them. These will be used mainly			measure.	
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<form></form>						measurements e.g. kilometres.
<form></form>				Improper Fraction into Mixed Number		
<form> A specific the standard samples of the stand</form>				C Divide the numerator by the denominator.	determine if our answer is within a reasonable range	
<form></form>				For Example : Convert $\frac{5}{4}$ to mixed Number		
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 A data dates are there numbers between 0 and 1 21 was due to the text was at 02 work to due to the constraint of the constraint o						anywhere on the map.
 A during a material fragmentation of the part of the part of the fragmentation of the part of the fragmentation of the part of the part		< + · · · · · · · · · · · · · · · · · ·		1		 Optional: Drag a point or path to move it
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 a link dist frameters' hysike subsects (rest attains). Attain link dist (rest attains) attain link dist (rest attains). Att		 Advistudents are there numbers between 0 and 12 What 		 Model a few more examples before doing the reverse 		
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 the following questions. a. Point to the following 2, 2, 3, 4, 4, 8, and 7, 8 or the lines. b. is a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. is a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 3, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 8, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 8, 4, 4, 8, and 7, 8 or the lines. b. for a common multiple of 2 and 3. 1 2 + 3 points to the following 2, 8, 4, 4, 8, and 7, 8 or the lines to look at their fraction strips and ask. Are there any other fractions that and to follow 1, 8, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,			https://www.youtube.com/watch?v=5juto2ze8Lg			device to measure distances e.g. across
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 - 103- Practice Draw another number line and partition it into eights. With the class, count the number of parts the line is divided into. Ask volutees to come to the board and locate 1/8, 3/8, 4/8, and 7/8 on the line. - During this session, encourage students to look at their fractions that are the same or equal to any of the eights?" e.g. 1/2 = 2/4 = 4/8 - Additional resources: - https://www.youtube.com/watch?withpEffSK - https://www.youtube.com/watch?withpEffSK - https://www.goutube.com/watch?withpEffSK - https://www		 point? 1/3 Point to the tick mark at 2/3. What fraction is shown at this point? 2/3 Point to the tick mark at 1. What fraction is shown at this point? 3/3. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that 	Change fraction #1 to an equivalent fraction with a denominator of 6 - multiply top and bottom by 3. Change fraction #2 to an equivalent fraction with the $1 \times 2 - 2$	adding numerator and product we get, numerators 8 + 19 $\frac{1}{2}$ ($\frac{1}{2}$) The denominator will stay the same. denominator = 4 Hence the improper fraction is $\frac{9}{4}$ • Model a few more examples with the whole class: guided session.	• 90 mm = cm • 4 m = cm 9 m = cm • 2 km = m • 700 cm = m • 9 km = m • 5 km = m • Additional resources: steps modelling how to convert	netball courts, playground (group activ
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Example: Convert to a mixed fractor.		 point? 1/3 Point to the tick mark at 2/3. What fraction is shown at this point? 2/3 Point to the tick mark at 1. What fraction is shown at this point? 3/3. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the thirds?" e.g. 1/3 = 2/6 = 6/9. Practice Draw another number line and partition it into eighths. With the class, count the number of parts the line is divided into. Ask volunteers to come to the board and locate 1/8, 3/8, 4/8, and 7/8 on the line. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the eighths?" e.g. 1/2 = 2/4 = 4/8 Additional resources: https://www.youtube.com/watch?v=yhplEf15k https://www.youtube.com/watch?v=14QY3ERdn2g http://ldeplayer.com/Side/8375673/ 	Change fraction #1 to an equivalent fraction with a denominator of 6 - multiply top and bottom by 3. Change fraction #2 to an equivalent fraction with the same denominator of 6 - multiply top and bottom by 2.	adding numerator and product we get, numerator: 8 + 1 = 9 Φ The demoniator will stay the same. denominator = 4 Hence the improper fraction is $\frac{9}{4}$ • Model a few more examples with the whole class: guided session. • Additional resources for explicitly modelling: • https://www.woutube.com/watch?v=shpf9krdXQQ • https://www.mathsisfun.com/improper-fractions.html • these: • the set of the set of the set of the set of the demonstrate (4). • the set of the set of the set of the set of the demonstrate (4). • the set of the set of the set of the set of the demonstrate (4). • the set of the set of the set of the set of the demonstrate (4). • the set of the set of the set of the set of the demonstrate (4). • the set of the set of the set of the set of the demonstrate (4). • the set of the demonstrate (4). • the set of the	90 mm = cm 4 m = cm 9 m = cm 9 m = cm 2 km = m 700 cm = m 9 km = m 4 ditional resources: steps modelling how to convert between each unit of measurement: http://www.tes.com/teaching-resource/converting- and-measuring-length-6333836 http://www.bb.cc.cu.k/bitesize/ks3/maths/measures/u	netball courts, playground (group activ
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4 3.3 Amour		 point? 1/3 Point to the tick mark at 2/3. What fraction is shown at this point? 2/3 Point to the tick mark at 1. What fraction is shown at this point? 3/3. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the thirds?" e.g. 1/3 = 2/6 = 6/9. Practice Draw another number line and partition it into eighths. With the class, count the number of parts the line is divided into. Ask volunteers to come to the board and locate 1/8, 3/8, 4/8, and 7/8 on the line. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the eighths?" e.g. 1/2 = 2/4 = 4/8 Additional resources: https://www.youtube.com/watch?v=H40/91EffSk https://slideplayer.com/slide/8375573/ https://slideplayer.com/slide/8375573/ https://slideplayer.com/slide/8375573/ 	Change fraction #1 to an equivalent fraction with a denominator of 6 - multiply top and bottom by 3. Change fraction #2 to an equivalent fraction with the same denominator of 6 - multiply top and bottom by 2.	adding numerator and product we get, numerators 8 + 1 = 9 Φ The demoniator will stay the same. denominator = 4 Hence the improper fraction is $\frac{9}{4}$ 9. Model a few more examples with the whole class: guided seession. 9. Additional resources for explicitly modelling: 1. https://www.woutube.com/watch?v=shpf9krdXQQ 1. https://www.mathsisfun.com/improper-fractions.html 1. https://www.mathsisfun.com/improper-fractions.html	90 mm = cm 4 m = cm 9 m = cm 9 m = cm 2 km = m 700 cm = m 9 km = m 4 ditional resources: steps modelling how to convert between each unit of measurement: http://www.tes.com/teaching-resource/converting- and-measuring-length-6333836 http://www.bb.cc.cu.k/bitesize/ks3/maths/measures/u	netball courts, playground (group activ
Ammay		 point? 1/3 Point to the tick mark at 2/3. What fraction is shown at this point? 2/3 Point to the tick mark at 1. What fraction is shown at this point? 3/3. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the thirds?" e.g. 1/3 = 2/6 = 6/9. Practice Draw another number line and partition it into eighths. With the class, count the number of parts the line is divided into. Ask volunteers to come to the board and locate 1/8, 3/8, 4/8, and 7/8 on the line. During this session, encourage students to look at their fraction strips and ask: Are there any other fractions that are the same or equal to any of the eighths?" e.g. 1/2 = 2/4 = 4/8 Additional resources: https://www.youtube.com/watch?v=H40/91EffSk https://slideplayer.com/slide/8375573/ https://slideplayer.com/slide/8375573/ https://slideplayer.com/slide/8375573/ 	Change fraction #1 to an equivalent fraction with a denominator of 6 - multiply top and bottom by 3. Change fraction #2 to an equivalent fraction with the same denominator of 6 - multiply top and bottom by 2.	dign numerator and product we get, numerators 8 + 1 = 9 Φ The demoniator will stay the same. demoniator = 4 Hence the improper fraction is $\frac{9}{4}$ 4. Model a few more examples with the whole class: usided session. additional resources for explicitly modelling: bitps://www.woutube.com/watch?v=shpf9krdXQQ bitps://www.woutube.com/mproper-fractions.html bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.motelling bitps://www.moteling bitps:/	90 mm = cm 4 m = cm 9 m = cm 9 m = cm 2 km = m 700 cm = m 9 km = m 4 ditional resources: steps modelling how to convert between each unit of measurement: http://www.tes.com/teaching-resource/converting- and-measuring-length-6333836 http://www.bb.cc.cu.k/bitesize/ks3/maths/measures/u	netball courts, playground (group activ
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Group Activities	Revision Group - Names	Work with this group. Students will use their fraction strips to determine the correct order of the fractions on the number line, or to check their work if they feel confident in moving away from the concrete model. The students have two blank number lines to complete using; halves, fourths and eighths and halves, thirds, and sixths. Students can draw diagrams of the same size and divide them into different size fractions as well as using their fraction bar strips to complete the task and check their work.	Work with this group: students solve simple addition and subtraction of fractions worksheets. Continue modelling if students require it. Students should use a mix of whiteboard as well as working out in their maths books. If students need to, encourage them to draw models of their problems then solve e.g. $\underbrace{2 \\ \frac{2}{9} + \frac{2}{9} = }$	Work with this group and solve improper fractions to mixed numerals and vice versa. Use whiteboards during this session as well as math books. Example of questions to choose from and solve: $\frac{Converting improper Fractions to Mixed Numbers}{1}$ 1) $\frac{44}{10} = 4\frac{2}{5}$ (2) $\frac{10}{5} = 3\frac{4}{5}$ (3) $\frac{5}{2} = 2\frac{1}{2}$ (4) $\frac{13}{3} = 4\frac{1}{3}$ (5) $\frac{5}{2} = 2\frac{1}{2}$ (6) $\frac{11}{4} = 2\frac{3}{4}$ (7) $\frac{63}{10} = 5\frac{3}{10}$ (8) $\frac{32}{10} = 3\frac{1}{5}$ (9) $\frac{21}{4} = 5\frac{1}{4}$ (10) $\frac{74}{10} = 7\frac{2}{5}$ (11) $\frac{7}{2} = 3\frac{1}{2}$ (12) $\frac{20}{3} = 6\frac{2}{3}$ (3) $\frac{7}{2} = 3\frac{1}{2}$ (14) $\frac{36}{5} = 7\frac{1}{5}$ (15) $\frac{19}{3} = 6\frac{1}{3}$ <i>Converting Mixed Numbers to Improper Fractions</i> (1) $6\frac{1}{4} = \frac{26}{5}$ (2) $4\frac{2}{3} = \frac{14}{3}$ (3) $6\frac{1}{5} = 3\frac{3}{5}$ (4) $5\frac{4}{5} = \frac{26}{5}$ (5) $3\frac{3}{5} = \frac{16}{5}$ (6) $9\frac{3}{4} = \frac{39}{4}$ (7) $2\frac{1}{2} = \frac{5}{2}$ (8) $5\frac{1}{2} = \frac{11}{2}$ (9) $3\frac{2}{5} = \frac{17}{5}$ (9) $7\frac{1}{3} = \frac{22}{3}$ (11) $6\frac{1}{2} = \frac{13}{2}$ (12) $2\frac{2}{3} = \frac{11}{3}$ (3) $5\frac{1}{2} = \frac{11}{12}$ (14) $8\frac{3}{4} = \frac{36}{4}$ (15) $9\frac{4}{5} = \frac{49}{5}$	5/6M Town Groups- Based on Continuum Clusters	Trundle Wheel Activity (mixed level ability groups): Students will work in mixed ability groups during this session. Main group members will lead (not control) and offer support to middle and revision group members. Teacher will supervisor and assist those in need during outside investigation. Safety talk will be discussed as well as mindfulness of other students/classrooms working. Students select, measure and record the perimeters (using the formula from modelling session) of a playground area or many different pathways e.g. COLA, basketball court, classroom to canteen etc. Groups will compare their measurements and report on any differences, measurements of areas etc.
Group Activities	Middle Group- Names	Print off worksheet. Students place fractions on a number line: http://www.math- aids.com/cgi/pdf viewer 7.cgi?script name=number lines fractions.pl&den om 2=1&denom 3=1&denom 10= 1&denom 7=1&denom 8=1&denom 10= 1&denom 12=1&denom 11=1&deno m 4=1&denom 6=1&denom 14=1&p os neg=0&format=0&language=0&me mo=&answer=1&x=167&y=24	41&y=30 Print work sheets off and students complete in their groups. Addition: http://www.math-aids.com/cgi/pdf viewer 3.cgi?script_name=fractions_adding.pl&diffi cult=1&probs=10&language=0&memo=&answer=1&x=153&y=7 Subtraction: http://www.math-aids.com/cgi/pdf_viewer_3.cgi?script_name=fractions_subtracting.pl_aids.com/cgi/pdf_viewer_3.cgi?script_name=fractions_subtracting.pl_Adifficult=1&probs=10&language=0&memo=&answer=1&x=169&y=1	Converting improve Fractions is Mixed Numbers 1) $\frac{18}{5} + \frac{3}{3}\frac{3}{2}$ 2) $\frac{31}{6} = \frac{37}{8}$ 3) $\frac{37}{9} = \frac{4}{12}$ 4) $\frac{16}{4} = \frac{4}{12}$ 5) $\frac{53}{7} = \frac{7}{7}\frac{7}{7}$ 6) $\frac{17}{6} = 2\frac{5}{6}$ 7) $\frac{36}{8} = \frac{4}{3}\frac{3}{4}$ 8) $\frac{57}{10} = 5\frac{7}{10}$ 9) $\frac{39}{9} = \frac{30}{9}$ 10) $\frac{14}{4} = \frac{31}{2}$ 11) $\frac{9}{4} = 2\frac{1}{4}$ 12) $\frac{41}{8} = 5\frac{1}{8}$ 13) $\frac{11}{3} = \frac{37}{2}$ 14) $\frac{19}{5} = \frac{36}{5}$ 15) $\frac{39}{9} = 6\frac{1}{2}$ Converting Mixed Numbers is improver Fractions 1) $6\frac{2}{5} = \frac{32}{5}$ 2) $2\frac{1}{3} = \frac{7}{3}$ 3) $2\frac{1}{4} = \frac{9}{4}$ 4) $4\frac{1}{2} = \frac{9}{2}$ 5) $5\frac{7}{10} = \frac{57}{10}$ 6) $3\frac{4}{7} = \frac{25}{7}$ 7) $3\frac{1}{6} = \frac{49}{6}$ 8) $6\frac{6}{7} = \frac{49}{7}$ 9) $2\frac{3}{5} = \frac{13}{5}$ 10) $6\frac{1}{3} = \frac{19}{10}$ 11) $8\frac{1}{2} = \frac{17}{2}$ 12) $4\frac{4}{9} = \frac{40}{9}$ 13) $9\frac{10}{10} = \frac{91}{10}$ 14) $3\frac{1}{2} = \frac{7}{2}$ 15) $2\frac{3}{4} = \frac{11}{4}$ Match the Fraction Pair: Using the above image as a guide, create 2 match up card games for improper to mixed numerals and vice versa. Students will select a card and depending on which game they are playing will need to solve it. 15. Students will then find their answer card and each member of the group will write them down in their books. Give students the above image at the end to mark their work.	5/6M Town Groups- Based on Continuum Clusters	Below is an example of the table students could use to measure different areas. You could choose or allow students to choose themselves: Meast billion Perinter Meast billion Perinter

				Operation increases fronting to March Hankers		
	Main Group - Names	Print off worksheet. Students place	Print work sheets off and students	Converting improper Fractions to Maxed Numbers 1) $\frac{26}{6} = 4\frac{1}{3}$ 2) $\frac{5}{2} = 2\frac{1}{2}$ 3) $\frac{47}{12} = 3\frac{11}{12}$	5/6M Town Groups-	Extensions: In groups students
		mixed numerals on a number line:	complete in their groups.	4) $\frac{65}{12} = 5\frac{5}{12}$ 5) $\frac{10}{4} = 2\frac{1}{2}$ 6) $\frac{56}{10} = 5\frac{3}{5}$	Based on Continuum	estimate one kilometre in the
		http://www.math-	Addition:			playground using cones to mark
		aids.com/cgi/pdf_viewer_7.cgi?script_	http://www.math- aids.com/cgi/pdf_viewer_3.cgi?script_n	7) $\frac{45}{7} = \frac{6}{7} \frac{3}{7}$ 8) $\frac{42}{8} = \frac{5}{4} \frac{1}{4}$ 9) $\frac{82}{11} = \frac{7}{11} \frac{5}{11}$	Clusters	distance out. They then use
		name=number lines mixed.pl&deno	ame=fractions adding.pl&difficult=4≺	$0) \frac{23}{5} = \frac{4\frac{3}{5}}{5} 11) \frac{37}{7} = \frac{5\frac{2}{7}}{7} 12) \frac{31}{5} = \frac{6\frac{1}{5}}{5}$		trundle wheel to test estimate.
		<u>m 2=1&denom 3=1&denom 4=1&de</u>	obs=10&language=0&memo=&answer=	3) $\frac{39}{11} = 3\frac{6}{11}$ 14) $\frac{46}{10} = 4\frac{3}{5}$ 15) $\frac{23}{3} = 7\frac{2}{3}$		
		nom 5=1&denom 6=1&denom 7=1&	<u>1&x=111&y=22</u>	Converting Mixed Numbers to Improper Fractions		
es		denom 8=1&denom 9=1&denom 10		1) $5\frac{1}{10} = \frac{51}{10}$ 2) $3\frac{5}{9} = \frac{32}{9}$ 3) $2\frac{3}{7} = \frac{17}{7}$		
Ē		=1&denom 12=1&pos neg=0&format	Subtraction:	4) $3\frac{1}{3} = \frac{10}{3}$ 5) $5\frac{1}{2} = \frac{11}{2}$ 6) $6\frac{1}{3} = \frac{19}{3}$		
Group Activities		=0&language=0&memo=&answer=1&	http://www.math- aids.com/cgi/pdf_viewer_3.cgi?script_n	7) $9\frac{2}{3} = \frac{29}{3}$ 8) $3\frac{2}{9} = \frac{29}{9}$ 9) $9\frac{2}{3} = \frac{29}{3}$		
t j		<u>x=131&y=8</u>	ame=fractions_subtracting.pl&difficult=	$0) \ 3\frac{-3}{-8} = \frac{31}{-8} 11) \ 5\frac{-7}{-8} = \frac{47}{-8} 12) \ 9\frac{-1}{-6} = \frac{55}{-6}$		
A			4&probs=10&language=0&memo=&ans			
dn			<u>wer=1&x=164&y=3</u>	3) $9\frac{1}{2} = \frac{19}{2}$ 14) $9\frac{3}{5} = \frac{48}{5}$ 15) $2\frac{1}{4} = \frac{9}{4}$		
ō l				Match the Fraction Pair: Using the above image as a guide, create 2 match up card games for		
Ū I				improper to mixed numerals and vice versa.		
				Students will select a card and depending on which game they are playing will need to solve		
				it. Students will then find their answer card and		
				each member of the group will write them		
				down in their books. Give students the above image at the end to mark their work.		
				Encourage Main Group to extend themselves		
				and create their own questions to solve. They		
				can do this with a partner or in groups and swap questions with each other.		
	Feedback –	Equivalent Fractions:	Revision Group –	Revision Group –	Revision Group –	Revision Group –
	Use the thumb method after	Revision Group –	6/9 + 1/9 = 7/9	17/3 = 5 2/3	7 m = 7000 km	What unit of measurement would
	explicit modelling to determine	1/3 = 2/6	9/20 - 8/20 = 1/20	7 1/2 = 15/2	10 m = 1 cm	you use to measure a book?
<u>a</u>	students understanding and	3/15 = 1/5	Middle Group –	Middle Group –	Middle Group –	Middle Group –
Sli	where they will be placed for	Middle Group –	8/15 + 11/15 =1 4/15	34/6 = 5 2/3	8000m = 8km	What unit of measurement would
Ľ	group activities.	1/4 = 3/12	86/100 - 74/100 = 3/25	5 3/7 = 38/7	20mm = 2 cm	you use to measure the
Ä		1/2 = 5/10	Main Group –	Main Group –	Main Group –	classroom?
~	Marking Exit Slips –	Main Group –	4/6 + 4/6 = 8/12 = 1 1/3	83/11 = 7 6/11	3478m = 3.478km	Main Group –
-X	Next to each students Exit Slip,	18/33 = 6/11	5/7 – 2/3 = 1/21	8 1/3 = 25/3	678mm = 0.678m	What unit of measurement would
)a	the teacher will check students	21/3 = 1/7				you use to measure the entire
	answers and will either write an:					outside of the school?
ee -	A = Achieved					
ů.	N/Y = Not Yet					
	N/Y students will become your					
	target group.					

nishes/ sions	fractions appear on top of pair). As students select th <u>https://www.teachstarter</u> • Students use decks of carc	must snap when equivalent equivalent fractions to make a at fraction card e.g. 2/3 = 4/6 -	students kilometre compete places usi Landmark Local Shop Sports Oval • Alternati want to n	n, Less Than: Teac re asked to record from school. If con his activity like pre g kilometres. Less the e (no devices or m easure. Students n a range of everyday	whether the lain nputers/devices vious Google M an 1 km haps): In pairs, si nust choose the	Admarks are les are available, s aps activity to n About 1 km tudents choose right units and	s than, more tha tudents can wor neasure the dist More th objects in the ro instruments for	an or about a rk in pairs and ances between an 1 km boom that they		
Early Finishes, Extensions		 and work out the mixed numerals. Students create their own Match the Fraction Pair card game. They will need to create the problem and answer cards. 					Unit metres	Instrument tape measure	Batimated measurement 2 metres	
Reflection/ Registration										