STOW-on-the-WOLD PRIMARY SCHOOL

heart hand mind

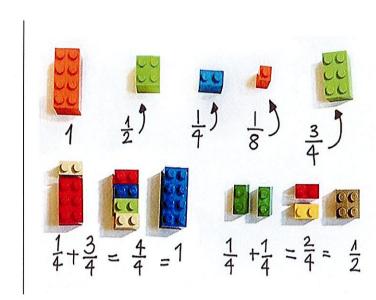
Fractions Policy

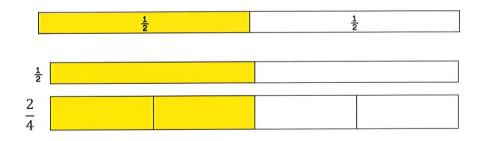


Approved by: Full Governing Body **Date:** 5th February 2024

Last reviewed on: 1st February 2024 Signature: T. A. Box Flett

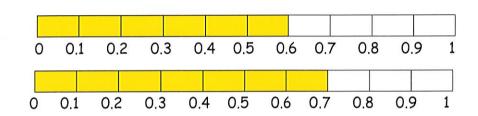
Next review due by: 1st February 2025 Chair of Governors

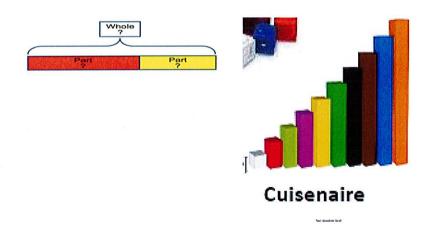


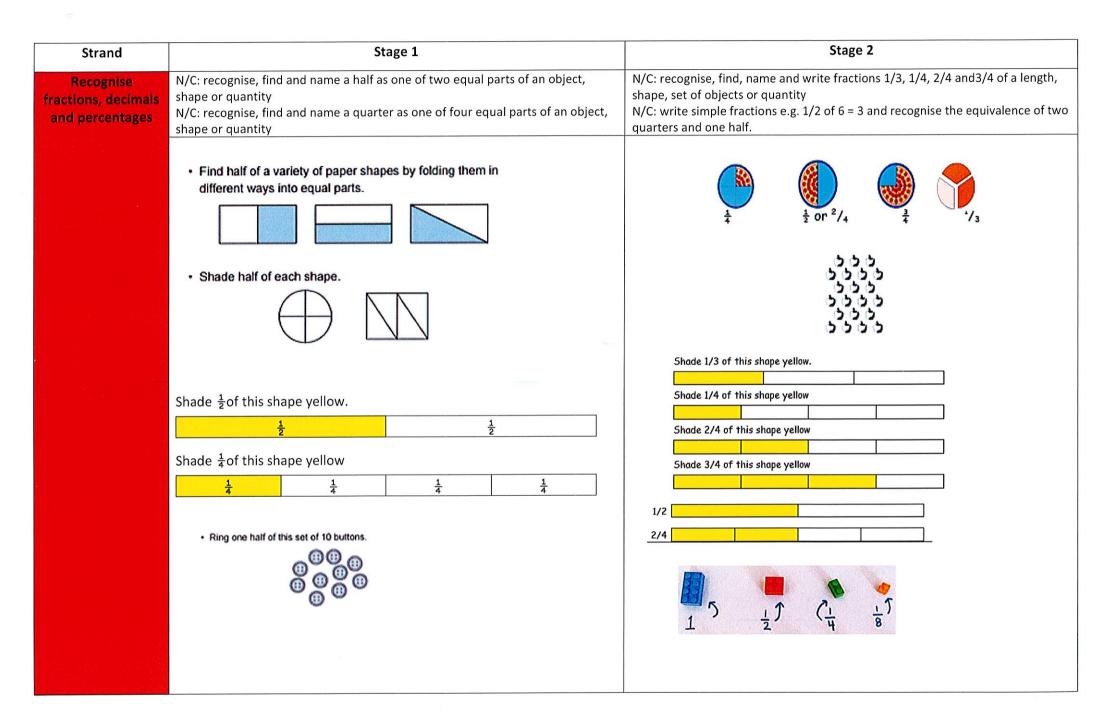


Overview







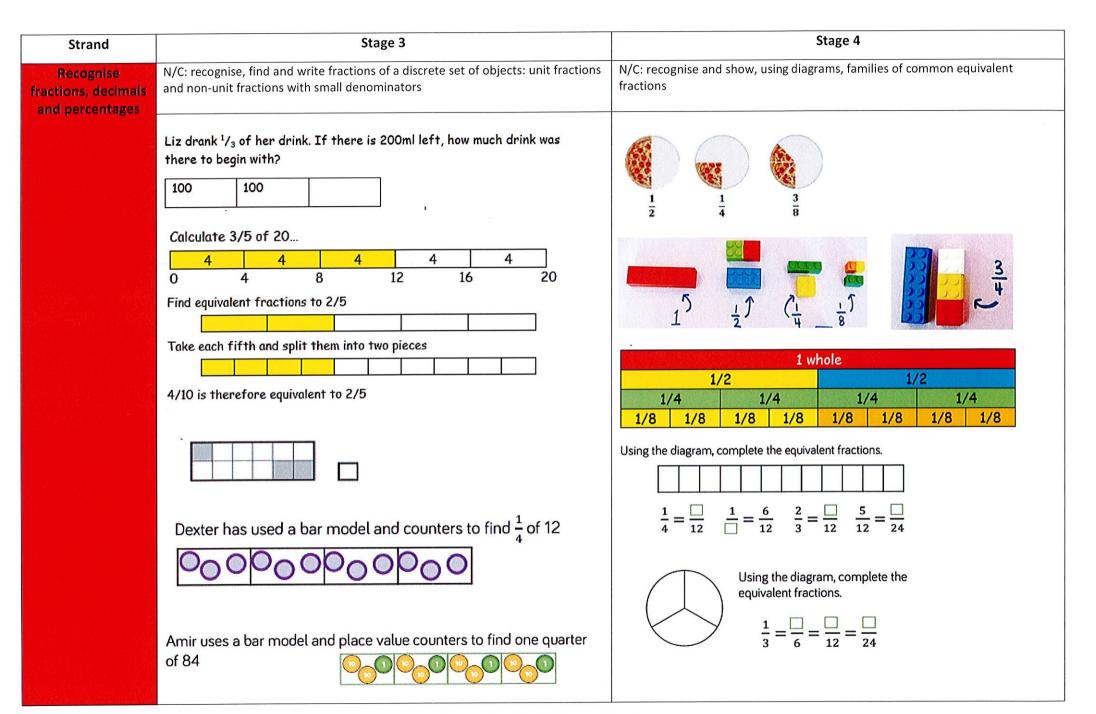


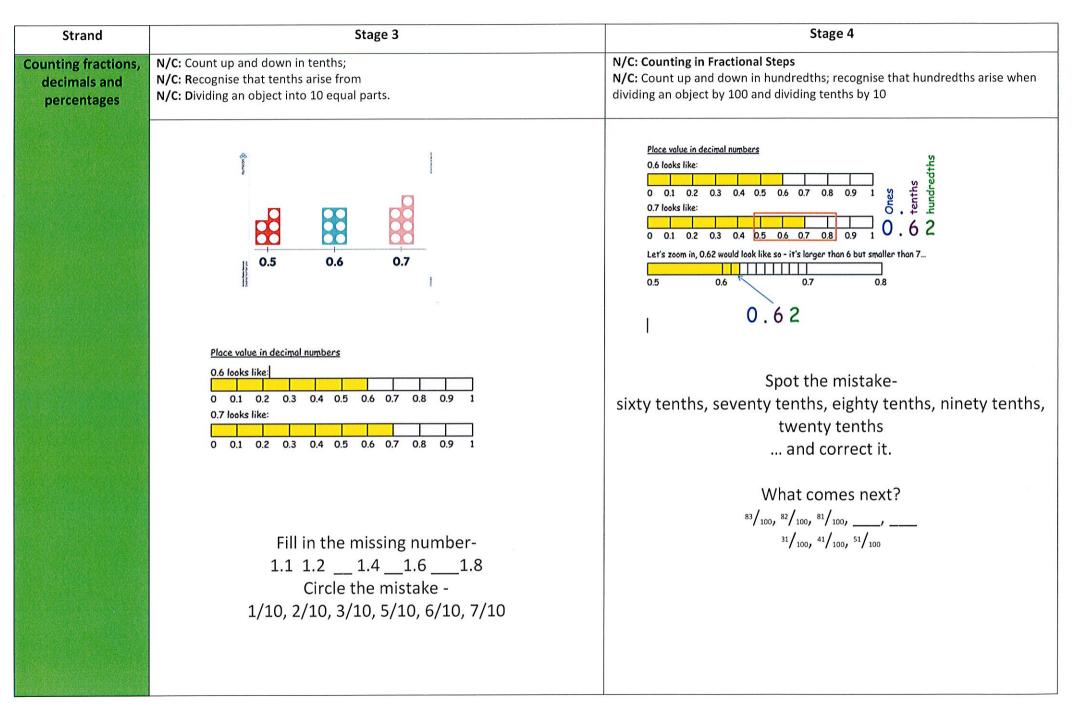
Strand	Stage 1	St	age 2
Counting fractions,	N/A	N/C: Counting fractions up to ten start	ing from any number.
decimals and percentages		N/C: To be able to recognise that 1/2 a	nd 2/4 are equivalent.
		Halves 0 1 1 1 1 Recognising the equivalence of to	vo quarters and one half
		1/2	
		2/4	
		Spot the mistake 7, 7 ½, 8, 9, 10 8 ½, 8, 7, 6 ½,	What comes next? 5 ½, 6 ½, 7 ½,, 9 ½, 9, 8 ½,,
			correct it.

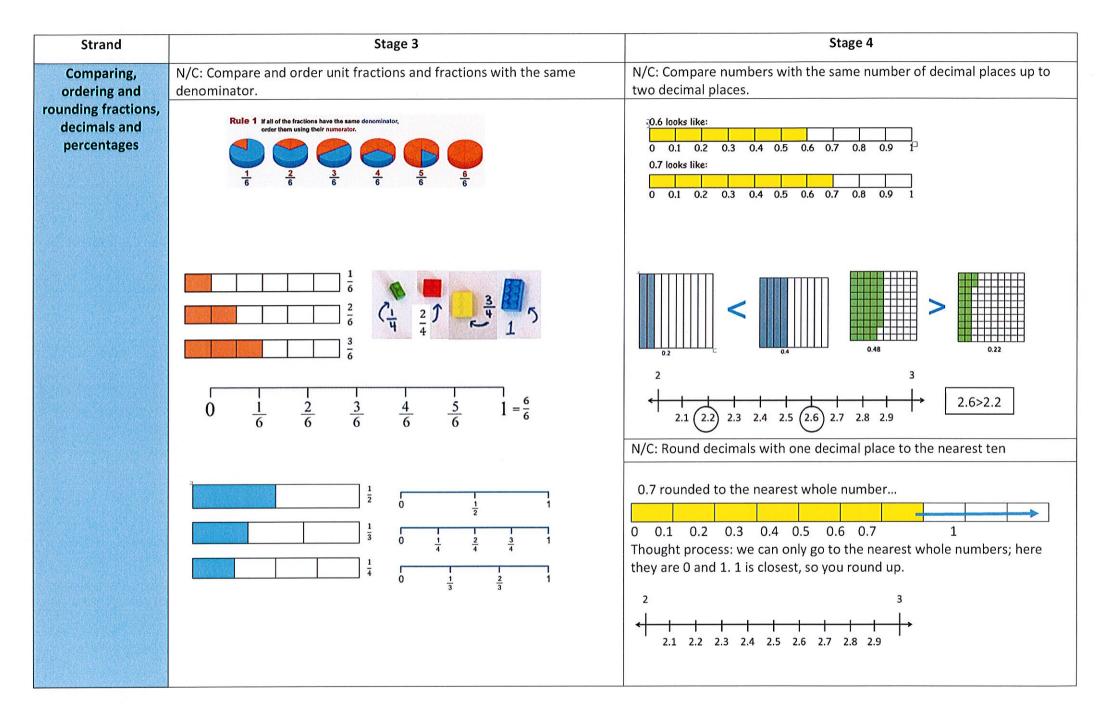
Strand	Stage 1	Stage 2
Comparing, ordering and rounding fractions,	N/A	N/A
decimals and percentages		
Strand	Stage 1	Stage 2
Adding and subtract fractions,	N/A	N/A
decimals and		
percentages		
Strand	Stage 1	Stage 2
Multiplying and dividing fractions, decimals and percentages	N/A	N/A

Strand	Stage 1	Stage 2
Equivalent fractions, decimals	N/A	N/C: Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
and percentages		

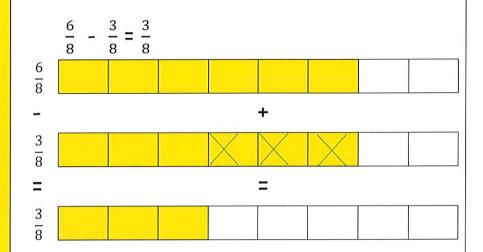
Strand	Stage 1	Stage 2
Convert between fractions, decimals and percentages	N/A	N/A





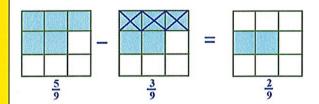


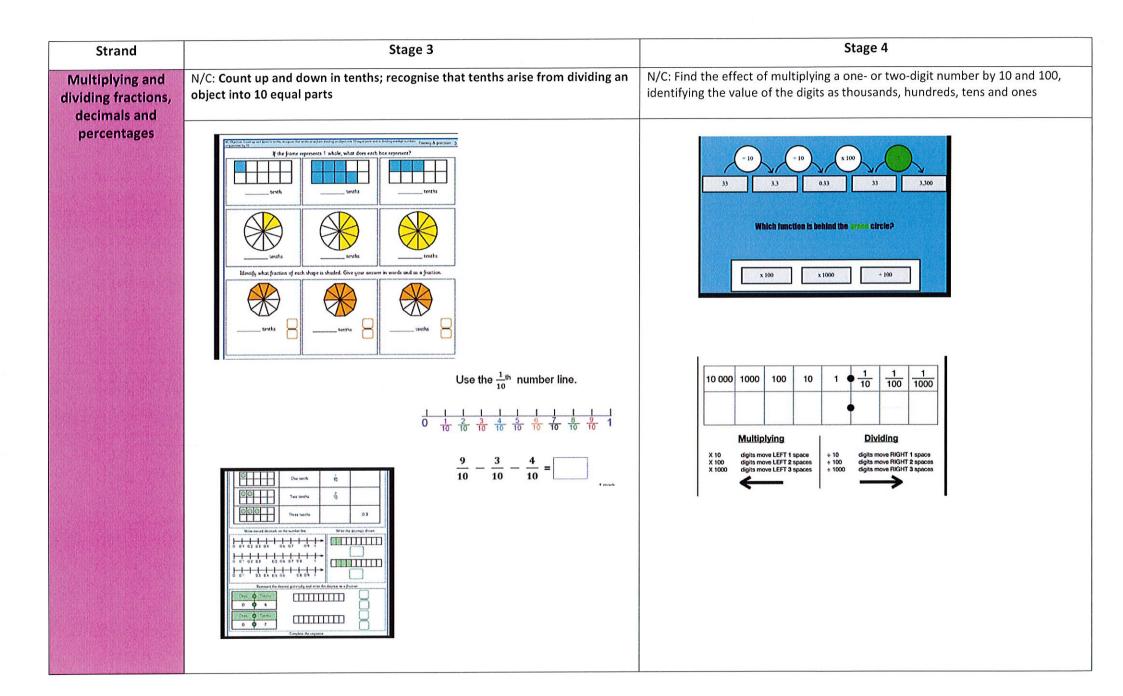
Strand	Stage 3	Stage 4
Adding and subtract fractions, decimals and percentages	Add & subtract fractions with the same denominator within 1 whole. (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)	Add and subtract fractions with the same denominator
,	$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$	$\frac{2}{7} + \frac{2}{7} =$
	1/4	$\frac{3}{5} + \frac{4}{5} =$
	+ + + 2	
	3 4	$\frac{3}{4}$ + $\frac{2}{4}$ = $\frac{5}{4}$ or $1\frac{1}{4}$
	Adding Fractions $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	$\frac{6}{7} - \frac{2}{7} = \frac{4}{7}$
	Adding fractions 1 + 3 - 4 - 1 whole made easier	
	https://www.lauracandler.com/how-to-teach-addition-of- fractions-using-lego-bricks/	$\frac{11}{6} - \frac{4}{6} = \frac{7}{6}$

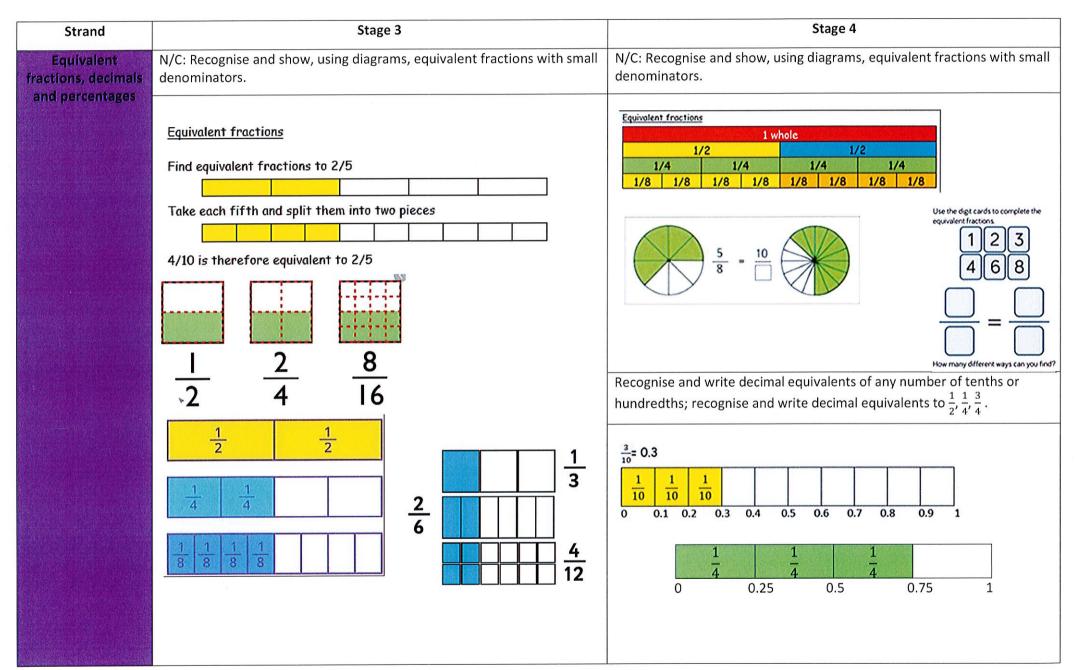


Thought Process:

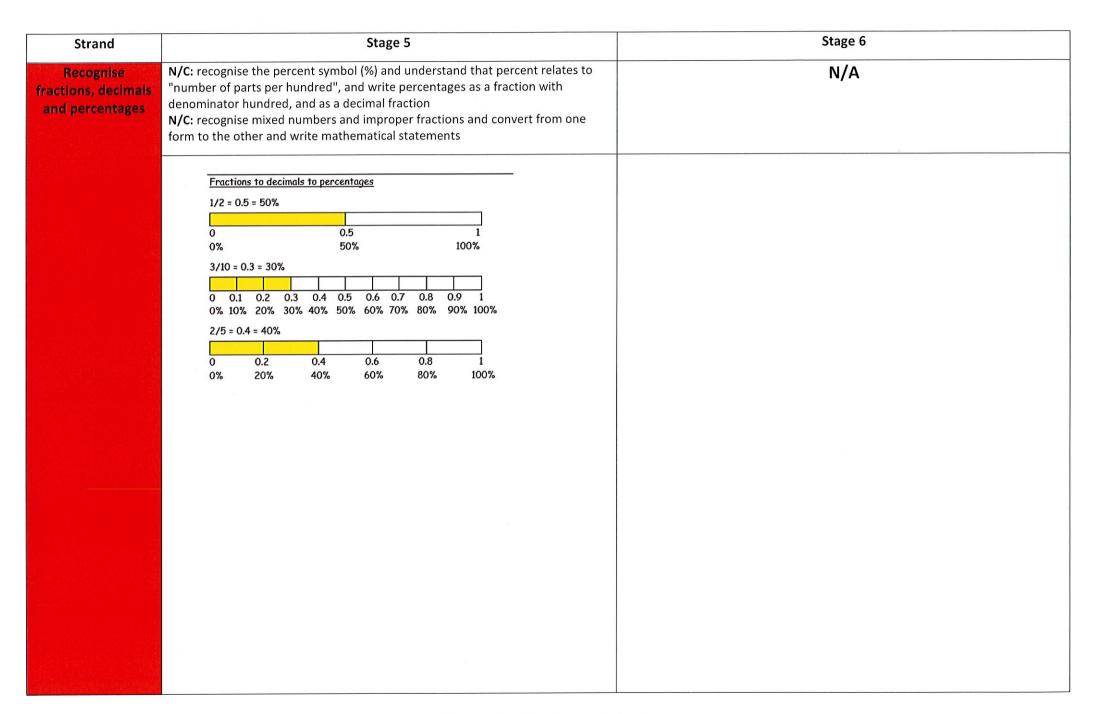
As long the denominators are the same, you can add the numerators.





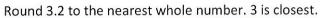


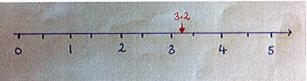
Strand	Stage 3	Stage 4
Convert between fractions, decimals and percentages	N/A	N/A



Strand	Stage 5	Stage 6
Counting fractions, decimals and percentages	Consolidate learning from stages 2 - 4	Consolidate learning from stages 2 - 4

Strand	Stage 5	Stage 6
Comparing, ordering and rounding fractions,	N/C: Compare and order fractions whose denominators are all multiples of the same number.	N/C: Compare and order fractions, including fractions > 1.
decimals and percentages	$\frac{1}{3} \xrightarrow{1} \frac{1}{3} = \frac{3}{9}, 3 > 2,$ $\frac{2}{9} \xrightarrow{\text{then}} \Rightarrow $	Use a bar model to compare $1\frac{2}{3}$ and $1\frac{5}{6}$
	Imran put these fractions in order starting with the smallest. Are they in the correct order? Two fifths, three tenths, four twentieths How do you know? Round decimals with 2 decimal places to the nearest whole number or to one decimal place.	Compare $1\frac{3}{4}$ and $1\frac{1}{3}$ using a numberline.
	Round 0.62 to one decimal place. 0.6 is the closest. 0.5 0.6 0.62	Sam put these fractions in order starting with the smallest. Are they in the correct order? Thirty three fifths Twenty three thirds Forty five sevenths How do you know?
		Give an example of a fraction that is greater than 1.1 and less than 1.5. Now another example that no one will think of. Explain how you know.



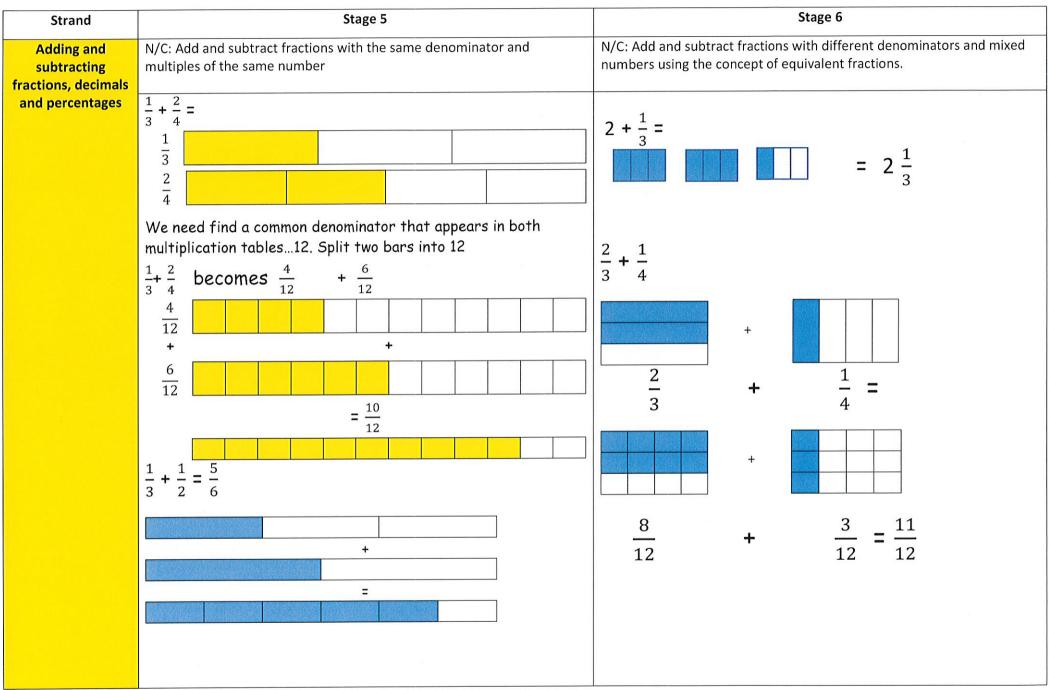


Do, then explain

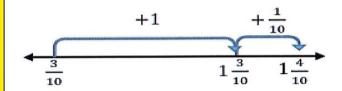
Circle each decimal which when rounded to one decimal place is 6.2.

6.32 6.23 6.27 6.17

Explain your reasoning.

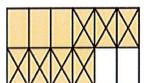


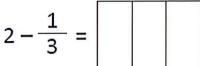
Step1	Step 2	Step 3
1/3	4 12	$\frac{1}{3} - \frac{1}{12} = \frac{3}{12}$
		×



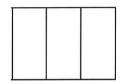
$$1\frac{5}{6} - \frac{7}{12}$$
 becomes $1\frac{10}{12} - \frac{7}{12}$



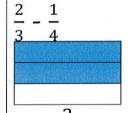




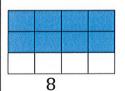


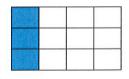


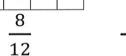
$$=\frac{5}{3}$$
 or $1\frac{2}{3}$

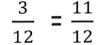


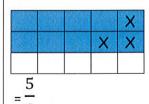












Strand	Stage 5	Stage 6
Multiplying and dividing fractions, decimals and	N/C: Multiply proper fractions and mixed number fractions by whole numbers, supported by materials and diagrams	N/C: Divide proper fractions by whole numbers (e.g. $^{1}/_{3} \div 2 = ^{1}/_{6}$)
decimals and percentages	$\frac{2}{3} \times 3 = \frac{6}{3} = 2 \text{ wholes}$ $0 \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{2}{3} \frac{3}{3} \frac{4}{3} \frac{5}{3} \frac{6}{3} \frac{7}{3} \frac{8}{3} \frac{9}{3} \frac{10}{3} \frac{11}{3} \frac{12}{3}$	$\frac{2}{3} \times \frac{1}{4} = \frac{2}{12}$ $\frac{1}{3} \qquad \frac{1}{3} \qquad \frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

