<u>17.2.22</u>

LO: To multiply mixed numbers by an integer.

I know how to convert mixed numbers to improper fractions.

I can multiply mixed numbers by an integer.

I understand that I can use my knowledge of repeated addition to help with multiplying fractions.

Flashback 4.

- 1) Work out $\frac{5}{8} \frac{3}{16}$ 2) Add together $\frac{2}{3}$ and $\frac{5}{6}$
- Continue the sequence. $\left(\frac{3}{8}, \frac{5}{8}, \frac{7}{8}, \frac{7}{8}\right)$
- What is the value of the 6 in the number 5.06? 4)

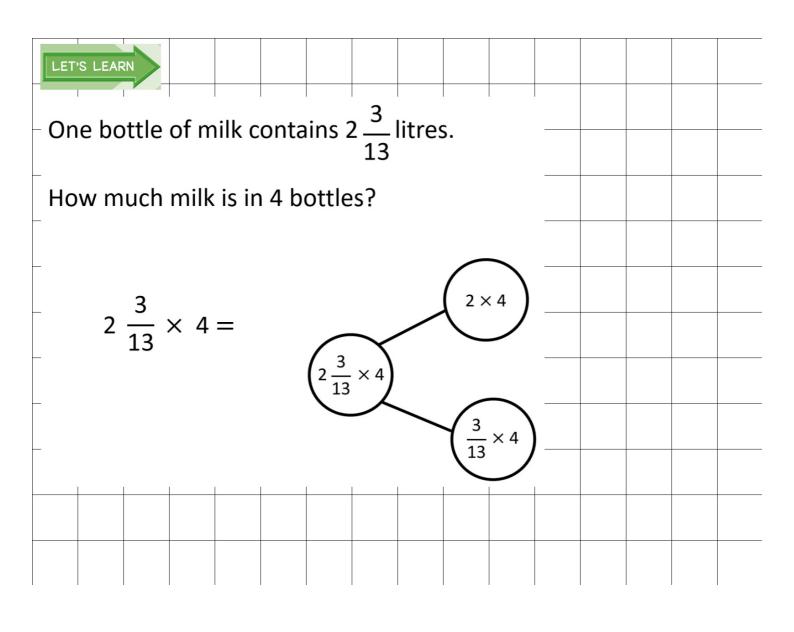
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							I) Wor)
							i) wor	k out = -	16		J
						_		000	2 5		
							2) Add	together	$\frac{1}{3}$ and $\frac{1}{6}$		
						4				2 5	. 7
							3) Cont	inue the s	sequence	s. 18,18	$\frac{1}{8}$, $\frac{7}{8}$,
						_					
							4) Wha	t is the v	alue of t	the 6 ir	the nu

GET READY

1)
$$2 \times \frac{3}{11} =$$

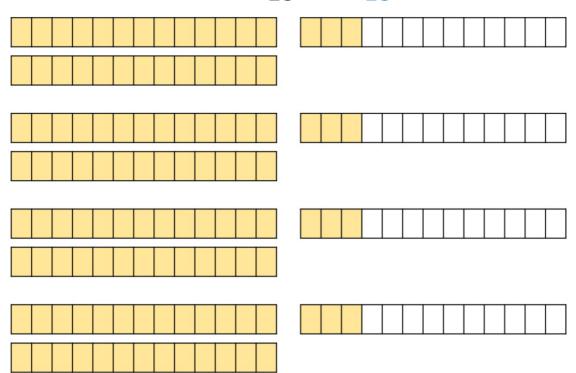
2)
$$2 \times 5 =$$

3)
$$2 \times 5 \frac{3}{11} =$$



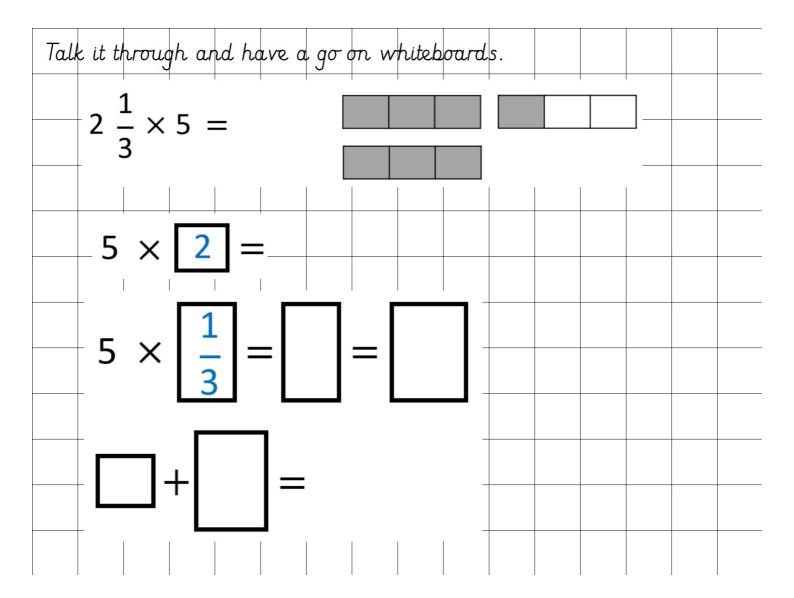
Another way to visualise the calculation:

$$4 \times 2 \frac{3}{13} = 8 \frac{12}{13}$$



$-3 \times 5\frac{2}{7} = -$				
3 × 5 =				
$3 \times \boxed{\frac{2}{7}} = $				
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Do together:	
$1\frac{4}{5}\times 4=$	
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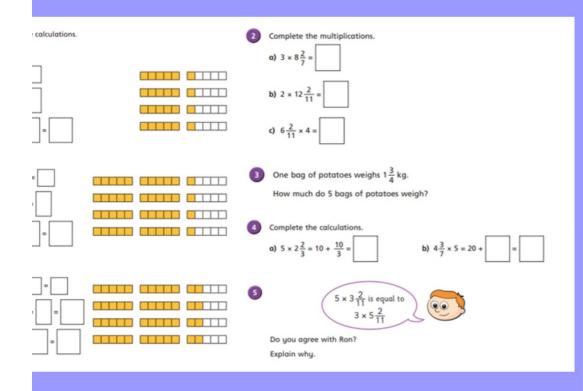
LA start with times table practise then Have a go at questions 1 - 3. complete worksheet 5 B's Brain Complete the calculations. 2 Complete the multiplications. Book a) $4 \times 1\frac{1}{5}$ a) $3 \times 8\frac{2}{7} =$ Boar b) $2 \times 12 \frac{2}{11} =$ Budo c) $6\frac{2}{11} \times 4 =$ b) $4 \times 2\frac{1}{5}$ Boss One bag of potatoes weighs $1\frac{3}{4}$ kg. How much do 5 bags of potatoes weigh? Extension activity: Complete the calculations. a) $5 \times 2\frac{2}{3} = 10 + \frac{10}{3} =$ Work out th Jack runs $2\frac{2}{3}$ miles three times per week. $5 \times 3\frac{2}{11}$ is equal to Dexter runs $3\frac{3}{4}$ miles twice a week. Who runs the furthest during the week? Do you agree with Ron? Explain why. Explain your answer. Explain how

HA to start on 1c

The key is to convert the improper fraction into a whole number: $4\frac{5}{9} \times 9 = \text{Integer answer}$													
$\frac{5}{9} \times 9$	=												

On v	white	$20ard$ $86\frac{3}{10}$	s -)	B) 1	.2 - 7	×	14		C)	$6\frac{5}{14}$	-×4	12
	Ir	nteger		Non-integer answer								

Have a go at questions 4 and 5.



5 B's:
Brain
Book
Board
Buddy
Boss

Extension activity:

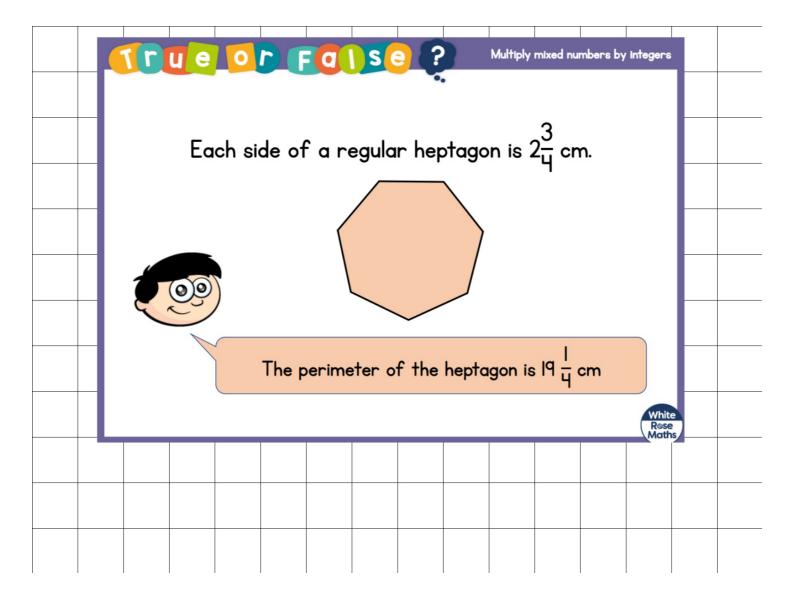
Jack runs $2\frac{2}{3}$ miles three times per week.

Dexter runs $3\frac{3}{4}$ miles twice a week.

Who runs the furthest during the week?

Explain your answer.

Dexter runs $3\frac{3}{4}$ miles twice a week. Who runs the furthest during the week? Explain your answer.						Work out the missing numbers. $ \begin{array}{c c} 2 & \times & = 7 & 7 \\ \hline 8 \end{array} $ Explain how you worked it out.							





True

$$2\frac{3}{4} \times 7 = 19\frac{1}{4}$$



