7.2.22

LO: To add 3 or more fractions.

I know what multiples are and how they can help with fractions.

I can add 3 or more fractions.

I understand that all the denominators must be the same before adding 2 or more fractions.

Flashback 4.

Flashback 4 Year 5

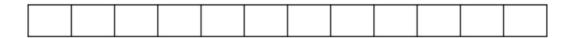
- 1) Add together $\frac{2}{3}$ and $\frac{1}{6}$
- 2) Which is greater, $\frac{\parallel}{5}$ or $\frac{\parallel}{10}$?
- 3) Complete $\frac{7}{10} = \frac{1}{40}$
- 4) Work out $5\times6\times2$

					F	las	hb	a c	k	
) Add	togeth	$\frac{2}{3}$ and	$\frac{1}{6}$	
					2) Whi	ch is gr	reater, $\frac{\parallel}{5}$	or 11/0?	
					3) Com	nplete 10	$\frac{7}{0} = \frac{\Box}{40}$		
					4) Wor	rk out 5	5×6×2		
						Т		I		I

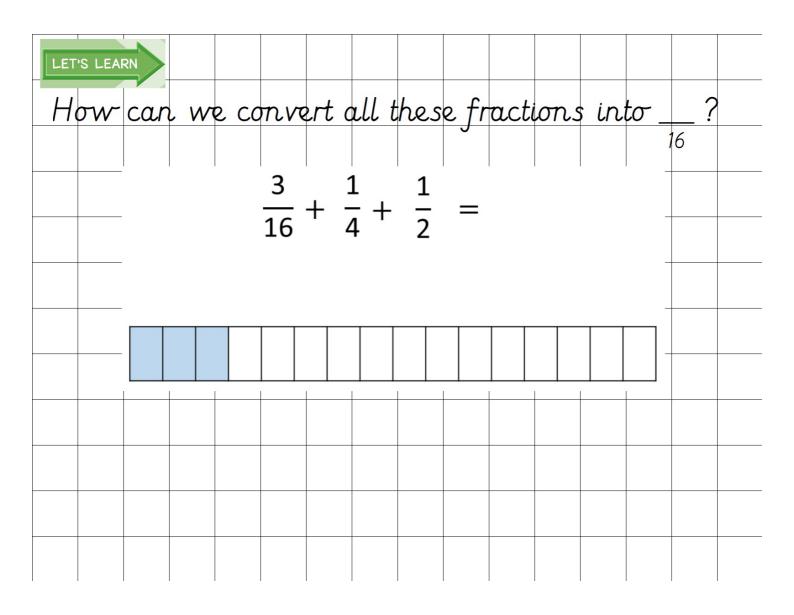
GET READY

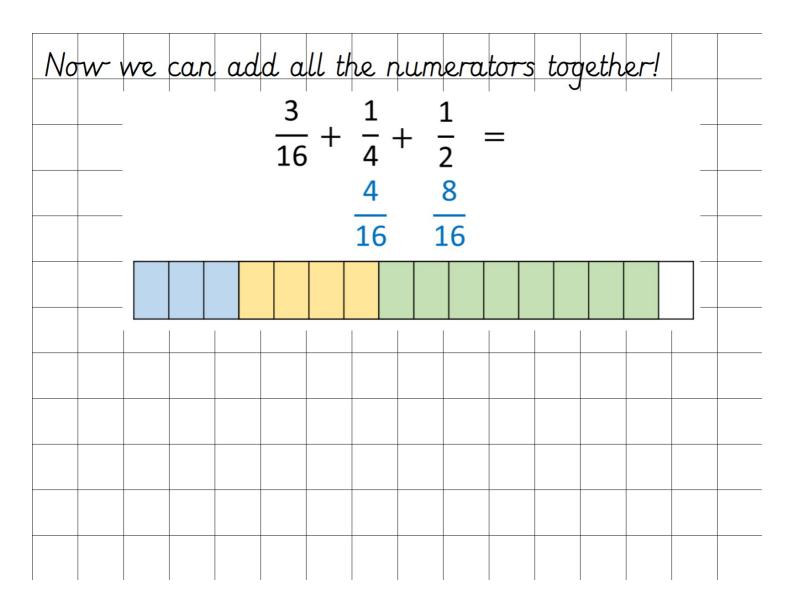
1)
$$= 54 + 77 + 46$$

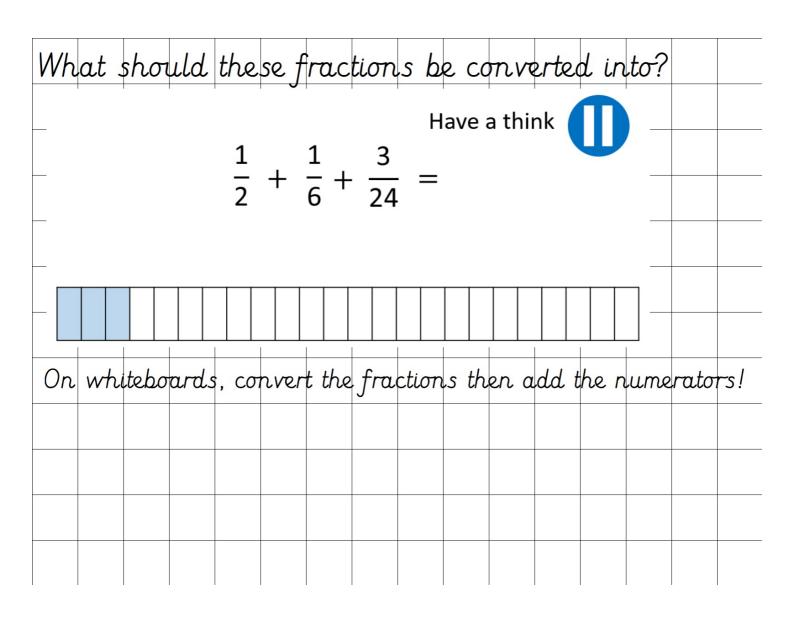
2)
$$\frac{2}{3} + \frac{1}{12} + \frac{1}{6} =$$



3)
$$\frac{3}{7} = \frac{15}{21} = \frac{15}{11}$$

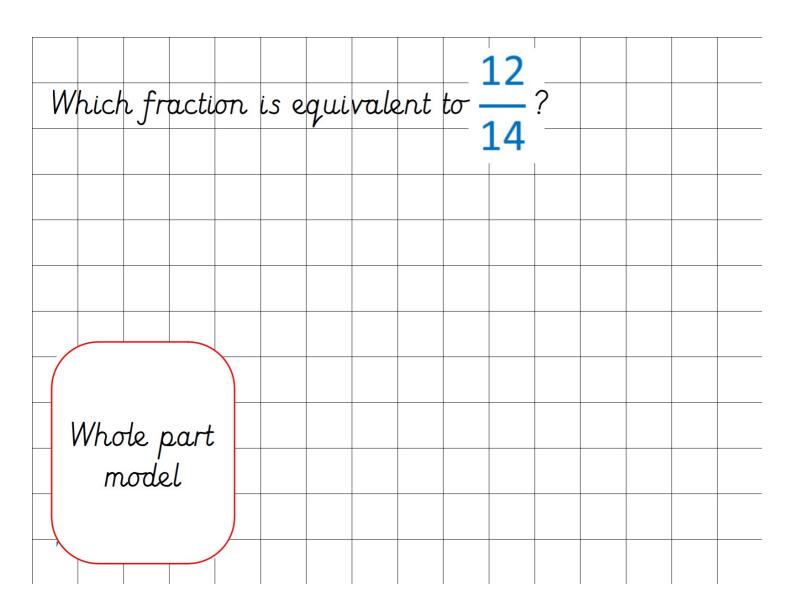






Dexter eats $\frac{3}{14}$ of a cake.	Which fractions do we need to convert?
Eva eats $\frac{1}{7}$ of the same cake.	
Mo eats one half of the same cake.	
How much of the cake is eaten?	
What must we convert t	hem into?

	3				1					1		
	1	'+			7				_	2		
Ther	r we a	dd to	geth	er a	ll the	e ni	ımer	itors	5.			



Complete questions 1 - 4.

c) $\frac{2}{3} + \frac{1}{6} + \frac{1}{12} =$

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

Complete the additions.

Use bar models to help you.

a)
$$\frac{1}{2} + \frac{1}{4} + \frac{1}{12} =$$

b)
$$\frac{1}{2} + \frac{1}{3} + \frac{1}{12} =$$

Complete the additions.

a)
$$\frac{1}{5} + \frac{3}{10} + \frac{7}{20} =$$

b)
$$\frac{1}{16} + \frac{5}{32} + \frac{3}{8} =$$

c)
$$\frac{1}{4} + \frac{5}{24} + \frac{5}{12} =$$

- Rosie has a vegetable patch.
 - $\frac{2}{9}$ of the patch contains carrots.

 $\frac{5}{18}$ of the patch contains potatoes.

 $\frac{1}{3}$ of the patch contains onions.

What fraction of the patch contains carrots, potatoes or onions?

Complete the part-whole models.





Fill in the missing numerators.

a)
$$\frac{1}{8} + \frac{3}{16} + \frac{3}{8} = \frac{5}{8}$$

b)
$$\frac{1}{8} + \frac{1}{16} + \frac{3}{8} = \frac{7}{8}$$

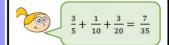
c)
$$\frac{1}{4} + \frac{1}{16} + \frac{3}{8} = \frac{3}{4}$$

5 B's: Brain Book Board Buddy Boss

Extension activity:

Eva is attempting to answer:

$$\frac{3}{5} + \frac{1}{10} + \frac{3}{20}$$



Do you agree with Eva? Explain why. Jack h get an

What

How ca	n we co	nvert o	ill thes	e fract	ions in	to ?	?
	$-\frac{1}{6}$	\Box	$=\frac{3}{5}$	-			
30	6	5	5				

What other digit	do we need?
$\frac{7}{30}$	$\frac{7}{30} + \frac{1}{6} + \frac{\Box}{5} = \frac{3}{5}$
	$\frac{5}{30} \frac{18}{30} = \frac{18}{30}$

Think about the	Think about the inverse!										

Complete question 5.

Complete the additions. Use bar models to help you.

a)
$$\frac{1}{2} + \frac{1}{4} + \frac{1}{12} =$$

b)
$$\frac{1}{2} + \frac{1}{3} + \frac{1}{12} =$$

$$\frac{1}{3} + \frac{1}{12} =$$
 d) $\frac{1}{3} + \frac{1}{4} + \frac{1}{6} =$

c) $\frac{2}{3} + \frac{1}{6} + \frac{1}{12} =$

Complete the additions.

a)
$$\frac{1}{5} + \frac{3}{10} + \frac{7}{20} =$$

b)
$$\frac{1}{16} + \frac{5}{32} + \frac{3}{8} =$$

c)
$$\frac{1}{4} + \frac{5}{24} + \frac{5}{12} =$$

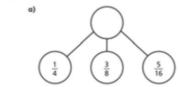
- Rosie has a vegetable patch.
 - $\frac{2}{9}$ of the patch contains carrots.

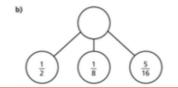
 $\frac{5}{18}$ of the patch contains potatoes.

 $\frac{1}{3}$ of the patch contains onions.

What fraction of the patch contains carrots, potatoes or onions?

Complete the part-whole models.





Fill in the missing numerators.

a)
$$\frac{1}{8} + \frac{3}{16} + \frac{3}{8} = \frac{5}{8}$$

b)
$$\frac{1}{8} + \frac{1}{16} + \frac{3}{8} = \frac{7}{8}$$

c)
$$\frac{1}{4} + \frac{1}{16} + \frac{3}{8} = \frac{3}{4}$$

5 B's: Brain Book Board Buddy Boss

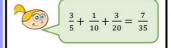
> Jack h get an

What

Extension activity:

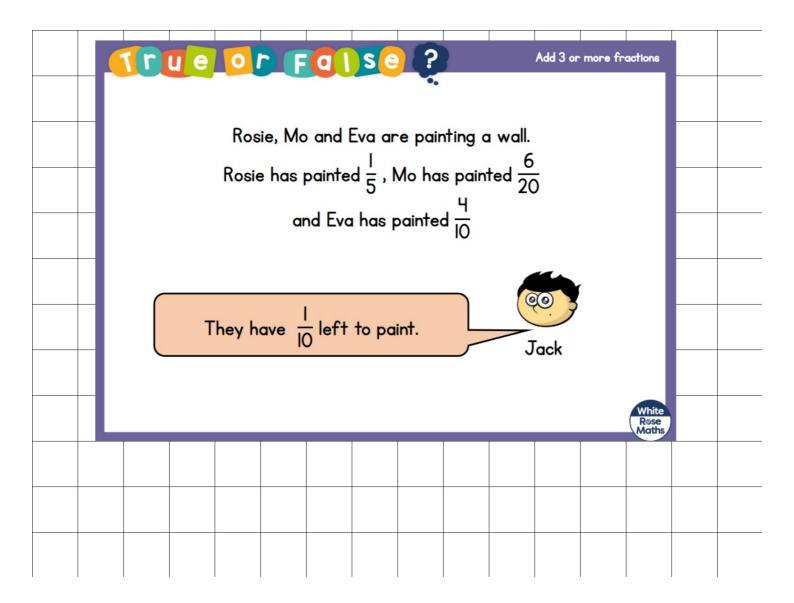
Eva is attempting to answer:

$$\frac{3}{5} + \frac{1}{10} + \frac{3}{20}$$



Do you agree with Eva? Explain why.

Extension activity: Eva is attempting to answer: $ \frac{3}{5} + \frac{1}{10} + \frac{3}{20} $ $ \frac{3}{5} + \frac{1}{10} + \frac{3}{20} = \frac{7}{35} $ Do you agree with Eva? Explain why.						Jack has added 3 fractions together to get an answer of $\frac{17}{18}$ What 3 fractions could he have added? Can you find more than one answer?								



True or False?

True

$$\frac{1}{5} + \frac{6}{20} + \frac{4}{10} + \frac{1}{10}$$

$$=\frac{2}{10}+\frac{3}{10}+\frac{4}{10}+\frac{1}{10}$$

$$=\frac{10}{10}$$



