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How to add fractions with unlike denominators using models

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	<del>                                      </del>					-		-	+	$\dashv$					_
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	$\frac{7}{16} + \frac{1}{4} =$							2	_		2	_			_
						6			+		100		c		_
	Let's start by finding an equivalent fraction											anti	fract	.ion	
	of 4 with a denominator of 16.						eno								
	$\frac{1}{4} \text{ is equivalent to } \frac{1 \times 4}{4 \times 4} = \frac{4}{16}.$ Now, let's draw the model for $\frac{4}{16}$ .		3	15 E	qui t'e	drav	nt to	$\frac{3}{3}$	x 2	= -	6 r 4				
	16		IVO	/V, TC		arav	V CITY		ode	110	6	-			
	$\frac{1}{4} = \frac{4}{16}$							2	_	:	<u>4</u> 6				
								3							
	Finally, let's add by counting the number of		Fina	ally,	leť:	s ad	d by	/ cc	unt	ing	the	nu	mb€	er of	
	shaded regions/squares in the models.		sha	ded	reg	gion	s/sq	uar	es i	n th	e m	nod	els.		
	(Each shaded square represent $\frac{1}{16}$ )		(Ea	ch s	hac	ded	squa	are	repi	ese	ent	$\frac{1}{6}$ )			
		_												_	_
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	+ + + + + + + + + + + + + + + + + + + +						_	_	+	$\dashv$					_
								-		$\dashv$					
	7 4	-						2			1				_
	7 + 4 16							6	+		6				
	There are 11th $\frac{1}{16}$ shaded squares in the two					5th	6	hac	ded	sqa	ure	s in	the	two	
	models.		mod												_
	So, $\frac{7}{16} + \frac{1}{4} = \frac{7}{16} + \frac{4}{16} = \frac{11}{16}$		So,	6	+ <u>2</u> 3	=	6	+ 4 6	- =	6	= 1			-	_
		_							_						_

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