

BIG SQUARE PUZZLES

Big Square Puzzles are a great way to practice arithmetic and algebra ideas. To get started, pick and print a puzzle, cut up the pieces, and mix them up. To solve the puzzle, arrange the square pieces so that the expressions or equations on the pieces' edge are equal to each other. For extra fun, print the puzzle template at the end of this file and make your own puzzle for your parents to try!

BIG SQUARE PUZZLE TERMINATING DECIMALS 1

0.9	0.5	211	<u>7</u> 100	0.5	half a dollar	0.40	70 100	0.7	0.6
001 06 0.8	5 10	0.5	Δ0.0	30 minutes	$\frac{1}{2}$ of an hour	0.09	0.3	<u>3</u> 10	0.9
8 01	0.25	414	9 0.0	<mark>1</mark> 4of an hour	15 minutes	<u>001</u> 6	6 minutes	<mark>1</mark> 10 ^{of} an hour	001 06
3 10 ^{of a dollar}	Ö		0.1	$\frac{1}{4}$ of i	nutes	<u>3</u> 4	6 mir	hour	² / ₁₀ Շ.0

BIG SQUARE PUZZLE TERMINATING DECIMALS 2

	<u>3</u>			4 0.0			4ľ.0			<u>10</u> 3	
ຫ∣ຫ		- 6	0.10		က၊ထ	0.375		4 <u>1</u>	0.4		0.28
	$\frac{4}{4}$			0.6		01	15			$\frac{1}{4}$	-
							.15				
	0.1			σIω			30 3			0.25	
ωIN		7 50	0.14		8 0	0.8		0.2	0.20		.05
	<u>6</u> 100			0.5			$\frac{1}{5}$.625	
	00'0			7						0	
	90.0			12			<u>S.</u> 0			8 9	
<u>_</u>	90 0	0.8	410		0 <mark>6</mark>	0.60	2.0	6 <u>1</u> 4	0.75	8 0	2.0
-	90 0 7 8	0.8	410	د 0.12	<u></u> 10	0.60	4 4 8 7.0	ωI4	0.75	9 10	2.0
<u> </u>		0.8	4 TU		1 0	0.60		ω14	0.75		2.0
1	<u>7</u> 8	2 4 0.8	^{5]4} 0.5	0.12	0.75 ⁶ / ₁₀	0.60 ⁶	<u>4</u> 8	1 8 4	0.75 0.125	<u>9</u> 10	5 5 2.0

BIG SQUARE PUZZLE REPEATING DECIMALS

	<u>58.0</u>			<u>10</u>			0.123			0. ट	
0.90		215	0.4		0.01	100		0.04	25 4		<u>4</u> 25
	0.222			$\frac{3}{6}$)		<u>22</u> 100)		$\frac{2}{3}$	
	2 <mark>1</mark> 9			005.0			0.22			<u>99</u> .0	
مەر		2 <mark>0</mark>	0.05		٢	6 16		0.9	10		0.55
	<u>3</u> 8			0.444			0.125			0.75	
	975.0			40			18			34	
4.00		<u>14</u> 25	0.56		8	0.875		0.55	രവ		⊷ 1∞
	0.83			0.5			<u>1</u> 6			<u>1</u> 9	
	9 9			<u>2</u>			<u>9</u> 91.0			<u>1</u> 11.0	
ര്വന		<u>90</u> 100	0.9		612	0.33 <mark>1</mark>		30 20	0.15		0.125
	4 5			<u>17</u> 20			<u>3</u> 10			0.5	

	5+5	10		-3	4-7	0.1	2	-3+5	0
12-(-6)			5+(-5)			6+1			-3
81	7-(-4)	11	0	-5	-6-(-1)	L	-2	-5+3	-3+0
-8	7.		-4		1)	-5		3	-1-(-6)
7-9-			2+9-			ヤーレー			S
	2	5-3		0	-5+5		-8	-3-5	
		~			0.			0.	
3			-7		0.	3		0.	3+0
3 ≠+↓-			-7 1-9-			3 (∠-)-≯-			3+0 £

BIG SQUARE PUZZLE INTEGER ADDITION AND SUBTRACTION

BIG SQUARE PUZZLE RATIONAL NUMBER ADDITION AND SUBTRACTION

0	د ع ا	$1-\frac{1}{3}$	<u>3</u> -1	ω¦Ν <u>7</u> 12
$\frac{\frac{1}{2}}{\frac{1}{2}+\frac{3}{7}+5\frac{1}{2}}$	$-\frac{1}{6}+\frac{4}{5}+\left(-\frac{2}{5}\right)$	$\frac{\varepsilon}{\overline{z}}$		$\begin{pmatrix} \frac{t}{L} \\ \frac{t}{L} \end{pmatrix} + \frac{9}{9}$
<u></u> ε ε	12 12	$-5\frac{1}{4}+1\frac{2}{3}$	$-2\frac{1}{4}+2\frac{1}{4}$	21 −3 12

50		QU	ΑΤ	IONS V	VIT	HR	ATION	AL	C	DEFFICIEN	N T
		-3 <i>x</i> +7=1	x=2		-9- <i>x</i> =-1	x=-8		x=2.5	-2(x-1)=-3		
	x=-2			x=-0.5			13=9 <i>x</i>			-5 <i>x</i> -4=-3	
	8-=x£+x			(1−xS)4=8-	-		$\frac{6}{10} = X$			<u>⊊</u> -=X]
		5 <i>x</i> -3=6	x=5 5		$x = \frac{8}{5}$	$4 = \frac{5x}{2}$		5=-2 <i>x</i> -7	6-= X		
	x=2.5			6x-8x+5=11	t		$x = -\frac{4}{5}$			-6=2+4 <i>x</i>	
	$1 - X = \frac{2}{2}$			£-= <i>X</i>			$\frac{2}{x} = -\frac{2}{1}$			2 -= <i>X</i>]
		<i>x</i> =25	$\left(\frac{2}{5}\right)x=10$	0	14=2(x+10)+2	<i>x</i> =− 4		x=- 4	x+1=-3		
	2(<i>x</i> +9)=2			$x = \frac{9}{8}$			$x = -\frac{4}{5}$			8x-4=-8	
	8 -=X			$0 = \frac{6}{8} - X$			9=6+X9			$X = -\frac{5}{4}$	
		0=3 <i>x</i> -6	x=2		$x = \frac{9}{8}$	-8x+4=-5		x=-3	9=3-2x		

BIG SQUARE PUZZLE SOLVING EQUATIONS WITH RATIONAL COEFFICIENTS

BIG SQUARE PUZZLE PROPORTIONAL REASONING

2:1	1:5	ຫາພ ບ	1 : 1.4	7 : 35	2.5 : 12.5	36 : 45	5 5 1	ີ ເກ 2.5 : 12.5
$\frac{8}{1}:\frac{1}{2}$	5 5 : 1	4 : 5	∀ `8 ∶ 9 3 ∶ 4.2	1.8 : 2.25	2 : 2.5	g [.] 7 ∶ 7 20 : 25	3.5 : 2	レ ^{: デ} イ ・ 4 3:2
<u>¹¹/38</u> : 37 2 : 1	7:4	70 : 40	∠`0 ∶ 9`0 5/7 : 1	7:4	1: 4 7	G : ₱ 6 : 8.4	7:4	+ : 9 ^{₄1⁷} : 1 1.5 : 1
$\frac{1}{3}$: $\frac{14}{3}$	0.25 : 0.125	2 .	₽.I : I	1.5 : 1	²¹³ : 1	ζ;ζ	3:2	45 : 58 5 : 5 5

BIG SQUARE PUZZLE TEMPLATE