

The Great Fire of London Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

black = 0 - 50

red = 60

yellow = 75

orange = 100

			$75 + 0$	$73 + 2$	$50 + 25$			
		$74 + 1$	$90 + 10$	$30 + 30$	$80 + 20$	$70 + 5$		
	$60 + 15$	$40 + 20$	$24 + 1$	$12 + 12$	$19 + 1$	$59 + 1$	$35 + 40$	
$45 + 30$	$62 + 38$	$25 + 0$	$13 + 13$	$20 + 6$	$30 + 19$	$46 + 3$	$60 + 40$	$71 + 4$
$85 + 15$	$1 + 1$	$15 + 10$	$35 + 5$	$19 + 8$	$20 + 10$	$15 + 15$	$11 + 11$	$70 + 30$
$50 + 50$	$48 + 1$	$21 + 9$	$24 + 24$	$49 + 0$	$40 + 9$	$50 + 0$	$13 + 12$	$98 + 2$
$99 + 1$	$58 + 2$	$33 + 12$	$36 + 7$	$47 + 2$	$40 + 10$	$46 + 4$	$44 + 16$	$75 + 25$
$58 + 2$	$40 + 20$	$32 + 15$	$25 + 25$	$49 + 1$	$17 + 18$	$44 + 1$	$50 + 10$	$59 + 1$
$30 + 30$	$57 + 3$	$20 + 30$	$9 + 10$	$21 + 21$	$14 + 13$	$17 + 19$	$55 + 5$	$52 + 8$

Challenge: $100 = \square + \square$

What could the missing numbers be? Could you make a rule for what the missing numbers would have to be?

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black = 0 - 50

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orange = 100

			75 + 0	73 + 2	50 + 25				
		74 + 1	90 + 10	30 + 30	80 + 20	70 + 5			
	60 + 15	40 + 20	24 + 1	12 + 12	19 + 1	59 + 1	35 + 40		
45 + 30	62 + 38	25 + 0	13 + 13	20 + 6	30 + 19	46 + 3	60 + 40	71 + 4	
85 + 15	1 + 1	15 + 10	35 + 5	19 + 8	20 + 10	15 + 15	11 + 11	70 + 30	
50 + 50	48 + 1	21 + 9	24 + 24	49 + 0	40 + 9	50 + 0	13 + 12	98 + 2	
99 + 1	58 + 2	33 + 12	36 + 7	47 + 2	40 + 10	46 + 4	44 + 16	75 + 25	
58 + 2	40 + 20	32 + 15	25 + 25	49 + 1	17 + 18	44 + 1	50 + 10	59 + 1	
30 + 30	57 + 3	20 + 30	9 + 10	21 + 21	14 + 13	17 + 19	55 + 5	52 + 8	

Challenge: $100 = \square + \square$

What could the missing numbers be? Could you make a rule for what the missing numbers would have to be?

Accept any correct calculation. Both numbers must be less than 100. If one number is larger than 90, the other must be less than 10. If one number is larger than 80, the other number must be less than 20, etc.

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Solve the calculations to reveal the hidden picture. Each answer has a special colour.

blue = 0 - 30

grey = 31 - 70

brown = 71 - 80

black = 81 - 100

		100 - 69	80 - 48	70 - 0	66 - 13	80 - 10		
	70 - 25	100 - 70	74 - 44	80 - 50	99 - 74	75 - 50	90 - 35	
100 - 0	50 - 20	88 - 66	40 - 10	21 - 7	85 - 70	72 - 51	36 - 18	90 - 8
100 - 19	70 - 30	36 - 8	42 - 12	100 - 99	55 - 25	100 - 80	56 - 22	97 - 12
99 - 10	61 - 30	70 - 10	81 - 50	68 - 2	70 - 3	75 - 5	80 - 44	91 - 10
	92 - 11	55 - 15	31 - 0	50 - 12	88 - 25	100 - 30	100 - 12	
	100 - 40	95 - 10	69 - 20	41 - 10	50 - 14	98 - 13	97 - 62	
	100 - 65	90 - 20	99 - 11	88 - 6	100 - 16	65 - 9	85 - 15	
100 - 25	93 - 33	79 - 11	35 - 4	60 - 29	35 - 1	72 - 2	71 - 1	72 - 1
100 - 26	95 - 23	75 - 35	50 - 19	57 - 20	89 - 30	100 - 45	100 - 21	87 - 15

Challenge: $100 = \square - \square$

What could the missing numbers be? Could you make a rule for what the missing numbers would have to be?

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Solve the calculations to reveal the hidden picture. Each answer has a special colour.

blue = 0 - 30

grey = 31 - 70

brown = 71 - 80

black = 81 - 100

		100 - 69	80 - 48	70 - 0	66 - 13	80 - 10		
	70 - 25	100 - 70	74 - 44	80 - 50	99 - 74	75 - 50	90 - 35	
100 - 0	50 - 20	88 - 66	40 - 10	21 - 7	85 - 70	72 - 51	36 - 18	90 - 8
100 - 19	70 - 30	36 - 8	42 - 12	100 - 99	55 - 25	100 - 80	56 - 22	97 - 12
99 - 10	61 - 30	70 - 10	81 - 50	68 - 2	70 - 3	75 - 5	80 - 44	91 - 10
	92 - 11	55 - 15	31 - 0	50 - 12	88 - 25	100 - 30	100 - 12	
	100 - 40	95 - 10	69 - 20	41 - 10	50 - 14	98 - 13	97 - 62	
	100 - 65	90 - 20	99 - 11	88 - 6	100 - 16	65 - 9	85 - 15	
100 - 25	93 - 33	79 - 11	35 - 4	60 - 29	35 - 1	72 - 2	71 - 1	72 - 1
100 - 26	95 - 23	75 - 35	50 - 19	57 - 20	89 - 30	100 - 45	100 - 21	87 - 15

Challenge: $100 = \square - \square$

What could the missing numbers be? Could you make a rule for what the missing numbers would have to be?

Accept any correct calculation. The first number must be larger than 100.

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black = 0 - 50

orange = 51 - 100

100 - 50		50 + 1				50 + 50			100 - 0	
5 + 5	100 - 49		88 - 38	24 + 26	30 - 5		99 - 66	10 + 1	25 + 25	67 + 3
100 - 99			15 + 15		1 + 1		20 + 20		75 - 50	
16 + 15	51 - 1		10 + 10	72 - 56	40 + 10	90 + 10	44 - 22		33 + 16	
		20 - 10				99 - 1		75 - 20		
	47 + 4	29 + 1		64 + 24			75 + 25			100 - 5
1 - 0	28 + 2	60 - 40	80 + 20	100 - 80	18 + 10	100 - 70	34 + 22	99 - 92	2 + 1	100 - 90
13 + 13		49 + 1		20 + 30		19 + 21		20 + 4		36 - 16
46 - 1	35 + 15	65 - 35		100 - 60	18 + 12	100 - 75		87 - 39		33 + 5

Challenge: $50 \square 50 = 100$

What is the missing symbol? How many other number sentences can you write with these three numbers?

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Solve the calculations to reveal the hidden picture. Each answer has a special colour.

black = 0 - 50

orange = 51 - 100

100 - 50		50 + 1				50 + 50			100 - 0	
5 + 5	100 - 49		88 - 38	24 + 26	30 - 5		99 - 66	10 + 1	25 + 25	67 + 3
100 - 99			15 + 15		1 + 1		20 + 20		75 - 50	
16 + 15	51 - 1		10 + 10	72 - 56	40 + 10	90 + 10	44 - 22		33 + 16	
		20 - 10			99 - 1			75 - 20		
	47 + 4	29 + 1		64 + 24			75 + 25			100 - 5
1 - 0	28 + 2	60 - 40	80 + 20	100 - 80	18 + 10	100 - 70	34 + 22	99 - 92	2 + 1	100 - 90
13 + 13		49 + 1		20 + 30		19 + 21		20 + 4		36 - 16
46 - 1	35 + 15	65 - 35		100 - 60	18 + 12	100 - 75		87 - 39		33 + 5

Challenge: 50 50 = 100

What is the missing symbol? How many other number sentences can you write with these three numbers?

50 + 50 = 100, 100 - 50 = 50