

Father's Day Addition and Subtraction Facts up to 20 Mosaic

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

blue = 1-5

green = 6-10

red = 15-17

yellow = 18-20

	$0 + 1$		$1 + 0$				$10 + 5$	
$2 + 3$	$5 + 0$	$1 + 1$	$4 + 1$	$0 + 4$		$14 + 3$	$15 + 2$	
	$2 + 2$		$1 + 3$				$15 + 1$	
$0 + 3$	$1 + 2$	$2 + 1$	$0 + 2$	$3 + 1$			$12 + 3$	
	$0 + 5$		$3 + 2$				$10 + 6$	
$3 + 3$	$8 + 1$			$10 + 8$		$6 + 0$	$4 + 5$	
$4 + 5$		$5 + 1$	$15 + 3$		$12 + 7$	$4 + 6$		$4 + 4$
$4 + 4$		$5 + 5$	$10 + 9$	$11 + 7$	$15 + 5$	$8 + 2$		$9 + 1$
$3 + 6$	$5 + 2$		$13 + 7$		$10 + 10$	$5 + 5$	$3 + 5$	

Challenge: How many ways can you complete this addition calculation?

$$\underline{\quad} + \underline{\quad} = 10$$

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	0 + 1		1 + 0				10 + 5	
2 + 3	5 + 0	1 + 1	4 + 1	0 + 4		14 + 3	15 + 2	
	2 + 2		1 + 3				15 + 1	
0 + 3	1 + 2	2 + 1	0 + 2	3 + 1			12 + 3	
	0 + 5		3 + 2				10 + 6	
3 + 3	8 + 1			10 + 8		6 + 0	4 + 5	
4 + 5		5 + 1	15 + 3		12 + 7	4 + 6		4 + 4
4 + 4		5 + 5	10 + 9	11 + 7	15 + 5	8 + 2		9 + 1
3 + 6	5 + 2		13 + 7		10 + 10	5 + 5	3 + 5	

Challenge: How many ways can you complete this addition calculation?

___ + ___ = 10

All number bonds to 10, e.g. 1 + 9, 2 + 8, 3 + 7, 4 + 6, 5 + 5.

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hair colour (of your choice) = 1-4		pink = 5-8		blue = 9-12		red = 13-16		skin colour (of your choice) = 17-20	
	2 - 1	5 - 1	9 - 5	12 - 10	3 - 2	14 - 10	10 - 7		
20 - 3	19 - 0	19 - 2	20 - 1	19 - 1	20 - 3	19 - 2	19 - 1	20 - 2	
19 - 1		10 - 1		20 - 2		16 - 3		20 - 3	
	20 - 3	17 - 0	18 - 1	30 - 10	19 - 2	18 - 1	20 - 1		
	18 - 0	19 - 2	5 - 4	13 - 10	8 - 6	19 - 2	20 - 3		
	20 - 2	5 - 3	20 - 12	12 - 6	17 - 10	10 - 9	19 - 1		
	17 - 0	10 - 8	19 - 2	20 - 1	20 - 3	9 - 6	20 - 0		
			17 - 0	20 - 2	18 - 1				
20 - 10	15 - 3	19 - 10		15 - 2		13 - 1	19 - 8	20 - 8	
15 - 5		16 - 4		18 - 4		18 - 7		17 - 6	

Challenge: Circle the odd one out.

$20 - 5$

$20 - 3$

$20 - 0$

Explain your reasoning.

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

hair colour (of your choice) = 1-4	pink = 5-8			blue = 9-12		red = 13-16		skin colour (of your choice) = 17-20
	2 - 1	5 - 1	9 - 5	12 - 10	3 - 2	14 - 10	10 - 7	
20 - 3	19 - 0	19 - 2	20 - 1	19 - 1	20 - 3	19 - 2	19 - 1	20 - 2
19 - 1		10 - 1		20 - 2		16 - 3		20 - 3
	20 - 3	17 - 0	18 - 1	30 - 10	19 - 2	18 - 1	20 - 1	
	18 - 0	19 - 2	5 - 4	13 - 10	8 - 6	19 - 2	20 - 3	
	20 - 2	5 - 3	20 - 12	12 - 6	17 - 10	10 - 9	19 - 1	
	17 - 0	10 - 8	19 - 2	20 - 1	20 - 3	9 - 6	20 - 0	
			17 - 0	20 - 2	18 - 1			
20 - 10	15 - 3	19 - 10		15 - 2		13 - 1	19 - 8	20 - 8
15 - 5		16 - 4		18 - 4		18 - 7		17 - 6

Challenge: Circle the odd one out.

20 - 5

20 - 3

20 - 0

Explain your reasoning. **Answers may vary.**

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

blue = 1-5

green = 6-10

red = 11-15

yellow = 16-20

		$10 + 1$				$10 + 3$		
	$20 - 5$	$12 + 0$	$16 - 1$		$20 - 5$	$16 - 5$	$20 - 7$	
$20 - 11$	$3 + 3$	$20 - 9$	$11 - 0$	$2 + 2$	$10 + 3$	$10 + 6$	$14 + 3$	$10 + 1$
$11 - 2$	$10 + 2$	$20 - 12$	$10 - 9$	$20 - 7$	$4 - 2$	$10 + 9$	$18 - 4$	$15 + 4$
$10 - 4$	$20 - 5$	$15 - 5$	$3 + 1$	$15 - 10$	$10 - 6$	$19 - 1$	$15 - 2$	$12 + 5$
$14 - 5$	$4 + 4$	$10 + 1$	$1 + 1$	$10 + 3$	$3 + 2$	$13 + 3$	$20 - 2$	$12 - 1$
	$20 - 6$	$13 - 2$	$10 + 4$	$20 - 7$	$15 + 0$	$10 + 1$	$20 - 6$	
		$10 + 4$	$15 - 2$	$17 + 1$	$22 - 5$	$17 - 5$		
			$11 + 2$	$12 + 5$	$20 - 8$			
				$10 + 4$				

Challenge: If I buy 20 flowers and 14 are roses, how many are not roses?

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

blue = 1-5

green = 6-10

red = 11-15

yellow = 16-20

		10 + 1				10 + 3		
	20 - 5	12 + 0	16 - 1		20 - 5	16 - 5	20 - 7	
20 - 11	3 + 3	20 - 9	11 - 0	2 + 2	10 + 3	10 + 6	14 + 3	10 + 1
11 - 2	10 + 2	20 - 12	10 - 9	20 - 7	4 - 2	10 + 9	18 - 4	15 + 4
10 - 4	20 - 5	15 - 5	3 + 1	15 - 10	10 - 6	19 - 1	15 - 2	12 + 5
14 - 5	4 + 4	10 + 1	1 + 1	10 + 3	3 + 2	13 + 3	20 - 2	12 - 1
	20 - 6	13 - 2	10 + 4	20 - 7	15 + 0	10 + 1	20 - 6	
		10 + 4	15 - 2	17 + 1	22 - 5	17 - 5		
			11 + 2	12 + 5	20 - 8			
				10 + 4				

Challenge: If I buy 20 flowers and 14 are roses, how many are not roses?

20 - 14 = 6