

Christmas Addition Facts to 20

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

light brown = 1 to 10

red = 16 to 19

dark brown = 11 to 15

black = 20

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

Challenge: Are the following calculations true or false?

$13 + 7 = 19$

$7 + 4 = 11$

$14 + 3 = 17$

Christmas Addition Facts to 20 Answers

light brown = 1 to 10

red = 16 to 19

dark brown = 11 to 15

black = 20

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

Challenge: Are the following calculations true or false?

$13 + 7 = 19$ **False**

$7 + 4 = 11$ **True**

$14 + 3 = 17$ **True**

$13 + 7 = 20$

Christmas Addition Facts to 20

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

red = 0 to 5

yellow = 6 to 12

green = 13 to 20

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

Challenge: Write the related subtraction number sentences next to the following calculations:

$5 + 4 = 9$

$12 + 8 = 20$

$16 + 3 = 19$

Christmas Addition Facts to 20 Answers

red = 0 to 5

yellow = 6 to 12

green = 13 to 20

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

Challenge: Write the related subtraction number sentences next to the following calculations:

$5 + 4 = 9$

$12 + 8 = 20$

$16 + 3 = 19$

$9 - 4 = 5$

$20 - 8 = 12$

$19 - 3 = 16$

$9 - 5 = 4$

$20 - 12 = 8$

$19 - 16 = 3$

Christmas Addition and Subtraction Facts to 20

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

red = 0 to 5

black = 6 to 10

blue = 11 to 15

yellow or gold = 16 to 20

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

Challenge: Use $<$, $>$ or $=$ to compare the calculations.

$$15 + 3 \quad \square \quad 20 - 2 \qquad 17 - 7 \quad \square \quad 6 + 3 \qquad 20 - 1 \quad \square \quad 14 + 6$$

Christmas Addition and Subtraction Facts to 20 Answers

red = 0 to 5

black = 6 to 10

blue = 11 to 15

yellow or gold = 16 to 20

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

Challenge: Use $<$, $>$ or $=$ to compare the calculations.

$$15 + 3 \boxed{=} 20 - 2 \quad 17 - 7 \boxed{>} 6 + 3 \quad 20 - 1 \boxed{<} 14 + 6$$