Christmas 2× Table Mosaic

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

Red	Yellow	Green	Brown
1, 2, 3, 4, 5, 6, 7 or 8	9, 10 or 11	12, 14, 16, 18, 20 or 22	24

				5 × 2				
				8 × 2				
			1 × 2	11 × 2	2 × 2			
		20 ÷ 2	8 × 2	5 × 2	7 × 2	22 ÷ 2		
		9 × 2	7 × 2	10 × 2	6 × 2	24 ÷ 2		
	3 × 2	24 ÷ 2	8 ÷ 2	11 × 2	10 ÷ 2	11 × 2	16 ÷ 2	
	7 × 2	18 ÷ 2	7 × 2	22 ÷ 2	24 ÷ 2	5 × 2	6 × 2	
6 × 2	8 × 2	24 ÷ 2	11 × 2	7 × 2	8 × 2	11 × 2	7 × 2	8 × 2
20 ÷ 2	24 ÷ 2	14 ÷ 2	8 × 2	5 × 2	24 ÷ 2	4 × 2	6 × 2	18 ÷ 2
				12 × 2				

Challenge: The bauble at the top of the tree should be red! List all of the multiplication and division problems that could be in that square.

Christmas 2× Table Mosaic

Red	Yellow	Green	Brown
1, 2, 3, 4, 5, 6, 7 or 8	9, 10 or 11	12, 14, 16, 18, 20 or 22	24

				5 × 2				
				8 × 2				
			1 × 2	11 × 2	2 × 2			
		20 ÷ 2	8 × 2	5 × 2	7 × 2	22 ÷ 2		
		9 × 2	7 × 2	10 × 2	6 × 2	24 ÷ 2		
	3 × 2	24 ÷ 2	8 ÷ 2	11 × 2	10 ÷ 2	11 × 2	16 ÷ 2	
	7 × 2	18 ÷ 2	7 × 2	22 ÷ 2	24 ÷ 2	5 × 2	6 × 2	
6 × 2	8 × 2	24 ÷ 2	11 × 2	7 × 2	8 × 2	11 × 2	7 × 2	8 × 2
20 ÷ 2	24 ÷ 2	14 ÷ 2	8 × 2	5 × 2	24 ÷ 2	4 × 2	6 × 2	18 ÷ 2
				12 × 2				

Challenge: The bauble at the top of the tree should be red! List all of the multiplication and division problems that could be in that square.

0 × 2, 2 × 0, 1 × 2, 2 × 1, 2 × 2, 3 × 2, 2 × 3, 4 × 2, 2 × 4, 16 ÷ 2, 14 ÷2, 12 ÷ 2, 10 ÷ 2, 8 ÷ 2, 6 ÷ 2, 4 ÷ 2, 2 ÷ 2, 1 ÷ 2, 0 ÷ 2

Christmas 5× Table Mosaic

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

Light Brown	Dark Brown	Red	Black
1 to 30	35, 40 or 45	50 or 55	60

	8 × 5		9 × 5		7 × 5		8 × 5	
		7 × 5				9 × 5		
			1 × 5	6 × 5	30 ÷ 5			
		25 ÷ 5	5 × 5	3 × 5	35 ÷ 5	6 × 5		
		2 × 5		4 × 5		4 × 5		
	1 × 5	45 ÷ 5	12 × 5	60 ÷ 5	12 × 5	20 ÷ 5	4 × 5	
	10 ÷ 5	60 ÷ 5	30 ÷ 5	3 × 5	35 ÷ 5	50 ÷ 5	25 ÷ 5	
		4 × 5	6 × 5	55 ÷ 5	5 × 5	2 × 5		
		30 ÷ 5	35 ÷ 5	40 ÷ 5	5 ÷ 5	25 ÷ 5		
			10 × 5	11 × 5	10 × 5			

Challenge: Use <, > or = to compare the number sentences.

4 × 5 ☐ 6 × 5 60 ÷ 5 ☐ 45 ÷ 5 55 ÷ 5 ☐ 3 × 5

Christmas 5× Table Mosaic

Light Brown	Dark Brown	Red	Black
1 to 30	35, 40 or 45	50 or 55	60

	8 × 5		9 × 5		7 × 5		8 × 5	
		7 × 5				9 × 5		
			1 × 5	6 × 5	30 ÷ 5			
		25 ÷ 5	5 × 5	3 × 5	35 ÷ 5	6 × 5		
		2 × 5		4 × 5		4 × 5		
	1 × 5	45 ÷ 5	12 × 5	60 ÷ 5	12 × 5	20 ÷ 5	4 × 5	
	10 ÷ 5	60 ÷ 5	30 ÷ 5	3 × 5	35 ÷ 5	50 ÷ 5	25 ÷ 5	
		4 × 5	6 × 5	55 ÷ 5	5 × 5	2 × 5		
		30 ÷ 5	35 ÷ 5	40 ÷ 5	5 ÷ 5	25 ÷ 5		
			10 × 5	11 × 5	10 × 5			

Challenge: Use <, > or = to compare the number sentences.

4 × 5 [<] 6 × 5

60 ÷ 5 [>] 45 ÷ 5

55 ÷ 5 [<] 3 × 5

Christmas 10× Table Mosaic

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

Red	Black	Blue	Yellow or Gold
1, 2, 3, 4, 5 or 10	6, 7, 8, 9 or 20	30, 40, 50, 60, 70 or 80	90, 100, 110 or 120

100 ÷ 10	20 ÷ 10	10 ÷ 10						
30 ÷ 10	50 ÷ 10	1 × 10						
1 × 10	40 ÷ 10	50 ÷ 10			10 × 10		11 × 10	
1 × 10	1 × 10	30 ÷ 10		12 × 10		10 × 10		12 × 10
40 ÷ 10	100 ÷ 10	10 ÷ 10			11 × 10	9 × 10	10 × 10	
				3 × 10	5 × 10	11 × 10	6 × 10	4 × 10
90 ÷ 10	60 ÷ 10	70 ÷ 10		10 × 10	9 × 10	12 × 10	10 × 10	9 × 10
70 ÷ 10	80 ÷ 10	2 × 10		6 × 10	4 × 10	10 × 10	3 × 10	7 × 10
2 × 10	80 ÷ 10	70 ÷ 10	60 ÷ 10	8 × 10	7 × 10	9 × 10	5 × 10	4 × 10
90 ÷ 10	60 ÷ 10	2 × 10	90 ÷ 10	3 × 10	5 × 10	11 × 10	8 × 10	3 × 10

Challenge: Are the calculations true or false?

4 × 10 = 40 _____ 110 ÷ 10 = 10 _____ 70 ÷ 10 = 7 _____

Christmas 10× Table Mosaic

Red	Black	Blue	Yellow or Gold
1, 2, 3, 4, 5 or 10	6, 7, 8, 9 or 20	30, 40, 50, 60, 70 or 80	90, 100, 110 or 120

100 ÷ 10	20 ÷ 10	10 ÷ 10						
30 ÷ 10	50 ÷ 10	1 × 10						
1 × 10	40 ÷ 10	50 ÷ 10			10 × 10		11 × 10	
1 × 10	1 × 10	30 ÷ 10		12 × 10		10 × 10		12 × 10
40 ÷ 10	100 ÷ 10	10 ÷ 10			11 × 10	9 × 10	10 × 10	
				3 × 10	5 × 10	11 × 10	6 × 10	4 × 10
90 ÷ 10	60 ÷ 10	70 ÷ 10		10 × 10	9 × 10	12 × 10	10 × 10	9 × 10
70 ÷ 10	80 ÷ 10	2 × 10		6 × 10	4 × 10	10 × 10	3 × 10	7 × 10
2 × 10	80 ÷ 10	70 ÷ 10	60 ÷ 10	8 × 10	7 × 10	9 × 10	5 × 10	4 × 10
90 ÷ 10	60 ÷ 10	2 × 10	90 ÷ 10	3 × 10	5 × 10	11 × 10	8 × 10	3 × 10

Challenge: Are the calculations true or false?

4 × 10 = 40 **True** 110 ÷ 10 = 10 **False** 70 ÷ 10 = 7 **True**

Christmas 2×, 5× and 10× Table Mosaic

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

Brown	Red	Black	Grey	Green
1 to 10	11 to 20	21 to 50	51 to 90	91 to 120

10 × 10	120 ÷ 10	12 × 10	11 × 10	2 × 10	12 × 10	10 × 10	24 ÷ 2	11 × 10
1 × 10	100 ÷ 10	30 ÷ 10	30 ÷ 5	1 × 5	15 ÷ 5	50 ÷ 5	50 ÷ 10	2 × 5
60 ÷ 10	8 ÷ 2	18 ÷ 2	2 × 2	45 ÷ 5	90 ÷ 10	12 ÷ 2	6 ÷ 2	20 ÷ 10
20 ÷ 2	1 × 2	22 ÷ 2	8 × 2	4 × 5	120 ÷ 10	55 ÷ 5	4 ÷ 2	3 × 2
80 ÷ 10	10 ÷ 2	6 × 2	3 × 5	10 × 2	9 × 2	7 × 2	70 ÷ 10	40 ÷ 5
4 × 2	5 ÷ 5						5 × 2	16 ÷ 2
20 ÷ 5	40 ÷ 10	6 × 10	60 ÷ 5	12 × 5	110 ÷ 10	8 × 10	2 ÷ 2	14 ÷ 2
10 ÷ 10	35 ÷ 5	11 × 5	11 × 2	6 × 10	5 × 5	9 × 10	10 ÷ 5	25 ÷ 5
14 ÷ 2	60 ÷ 10	6 × 5	4 × 10	7 × 10	3 × 10	12 × 2	20 ÷ 2	40 ÷ 10

Challenge: How many multiplication and division calculations in the 2, 5 and 10 times table give the answer of 10?

Christmas 2×, 5× and 10× Table Mosaic

Brown	Red	Black	Grey	Green
1 to 10	11 to 20	21 to 50	51 to 90	91 to 120

10 × 10	120 ÷ 10	12 × 10	11 × 10	2 × 10	12 × 10	10 × 10	24 ÷ 2	11 × 10
1 × 10	100 ÷ 10	30 ÷ 10	30 ÷ 5	1 × 5	15 ÷ 5	50 ÷ 5	50 ÷ 10	2 × 5
60 ÷ 10	8 ÷ 2	18 ÷ 2	2 × 2	45 ÷ 5	90 ÷ 10	12 ÷ 2	6 ÷ 2	20 ÷ 10
20 ÷ 2	1 × 2	22 ÷ 2	8 × 2	4 × 5	120 ÷ 10	55 ÷ 5	4 ÷ 2	3 × 2
80 ÷ 10	10 ÷ 2	6 × 2	3 × 5	10 × 2	9 × 2	7 × 2	70 ÷ 10	40 ÷ 5
4 × 2	5 ÷ 5						5 × 2	16 ÷ 2
20 ÷ 5	40 ÷ 10	6 × 10	60 ÷ 5	12 × 5	110 ÷ 10	8 × 10	2 ÷ 2	14 ÷ 2
10 ÷ 10	35 ÷ 5	11 × 5	11 × 2	6 × 10	5 × 5	9 × 10	10 ÷ 5	25 ÷ 5
14 ÷ 2	60 ÷ 10	6 × 5	4 × 10	7 × 10	3 × 10	12 × 2	20 ÷ 2	40 ÷ 10

Challenge: How many multiplication and division calculations in the 2, 5 and 10 times table give the answer of 10?

1 × 10, 2 × 5, 5 × 2, 10 × 1, 100 ÷ 10, 50 ÷ 5, 20 ÷ 2