Football-Themed Addition Facts to 100 Mosaic

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

skin colour of your choice: 10	**hair colour of your choice:** 20	**blue:** 30	**green:** 40	**black:** 50	**red:** 60

		19 + 1	10 + 10	15 + 5				
		25 + 5	5 + 5	20 + 10			30 + 30	
		10 + 0	59 + 1	4 + 6			45 + 15	
			1 + 9				3 + 7	
	29 + 1	20 + 10	12 + 18	17 + 3	10 + 20		28 + 2	
15 + 15		25 + 5	23 + 7	27 + 3		30 + 0		
2 + 8	20 + 20	33 + 17	2 + 48	21 + 29	10 + 30	37 + 3	26 + 14	31 + 9
18 + 22	30 + 10	19 + 31	16 + 24	23 + 27	21 + 19	25 + 15	36 + 4	24 + 16
32 + 8	40 + 0	0 + 10	30 + 10	6 + 4	35 + 5	35 + 5	38 + 2	33 + 7
39 + 1	20 + 30	40 + 10	33 + 7	35 + 15	26 + 24	37 + 3	23 + 17	15 + 25

Challenge: The answers to the calculations are going up in a pattern. What is the pattern? What number would come next? How far can you continue the pattern?

Football-Themed Addition Facts to 100 Mosaic **Answers**

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

skin colour of your choice: 10	**hair colour of your choice:** 20	**blue:** 30	**green:** 40	**black:** 50	**red:** 60

		19 + 1	10 + 10	15 + 5				
		25 + 5	5 + 5	20 + 10			30 + 30	
		10 + 0	59 + 1	4 + 6			45 + 15	
			1 + 9				3 + 7	
	29 + 1	20 + 10	12 + 18	17 + 3	10 + 20		28 + 2	
15 + 15		25 + 5	23 + 7	27 + 3		30 + 0		
2 + 8	20 + 20	33 + 17	2 + 48	21 + 29	10 + 30	37 + 3	26 + 14	31 + 9
18 + 22	30 + 10	19 + 31	16 + 24	23 + 27	21 + 19	25 + 15	36 + 4	24 + 16
32 + 8	40 + 0	0 + 10	30 + 10	6 + 4	35 + 5	35 + 5	38 + 2	33 + 7
39 + 1	20 + 30	40 + 10	33 + 7	35 + 15	26 + 24	37 + 3	23 + 17	15 + 25

Challenge: The answers to the calculations are going up in a pattern. What is the pattern? What number would come next? How far can you continue the pattern?

They are going up in 10s. The next number is 70.

Football-Themed Subtraction Facts to 100 Mosaic

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

green: 0-50 | **black:** 51-100

100 - 50	10 - 2			100 - 49	63 - 10		33 - 7	20 - 5
25 - 10	100 - 10			99 - 20	90 - 20			4 - 2
100 - 49					100 - 30	52 - 1		
100 - 10					100 - 40	78 - 5		98 - 38
66 - 15								100 - 25
		56 - 5	90 - 30	57 - 8				90 - 5
	99 - 10	72 - 13	70 - 10	54 - 3				
	89 - 2	55 - 4	89 - 9			53 - 2		
30 - 10						55 - 3	100 - 0	21 - 11
20 - 12	15 - 6	60 - 20			65 - 14	85 - 25	76 - 30	10 - 5

Challenge: Make up your own subtraction calculation with a green answer. Can you prove it using equipment?

Football-Themed Subtraction Facts to 100 Mosaic **Answers**

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

green: 0-50 | **black:** 51-100

100 - 50	10 - 2			100 - 49	63 - 10		33 - 7	20 - 5
25 - 10	100 - 10			99 - 20	90 - 20			4 - 2
100 - 49					100 - 30	52 - 1		
100 - 10					100 - 40	78 - 5		98 - 38
66 - 15								100 - 25
		56 - 5	90 - 30	57 - 8				90 - 5
	99 - 10	72 - 13	70 - 10	54 - 3				
	89 - 2	55 - 4	89 - 9			53 - 2		
30 - 10						55 - 3	100 - 0	21 - 11
20 - 12	15 - 6	60 - 20			65 - 14	85 - 25	76 - 30	10 - 5

Challenge: Make up your own subtraction calculation with a green answer. Can you prove it using equipment?

Football-Themed Mixed Facts to 100 Mosaic

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

skin colour of your choice:	**hair colour of your choice:**	**blue:**	**kit colour 1 of your choice:**	**kit colour 2 of your choice:**
15	22	37	43	88

	20 + 23	44 + 44	44 - 1	90 - 2	53 - 10	86 + 2	50 - 7	
10 + 5	23 + 20	87 + 1	22 + 21	100 - 12	33 + 10	98 - 10	100 - 57	75 - 60
7 + 8								14 + 1
90 - 47			20 + 2	30 - 8	11 + 11			34 + 9
43 + 0			30 + 7	20 - 5	36 + 1			29 + 14
	19 + 24		22 - 7	18 - 3	35 - 20		43 - 0	
	80 - 37		8 + 7	50 - 35	15 + 0		39 + 4	
		63 - 20		9 + 6		42 + 1		
		21 + 22	30 + 13	67 - 24	70 - 27	45 - 2		
			41 + 2	40 + 3	60 - 17			

Challenge: Write another calculation that equals 43, which hasn't been used in the mosaic. Explain your strategy.

Football-Themed Mixed Facts to 100 Mosaic **Answers**

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

skin colour of your choice:	**hair colour of your choice:**	**blue:**	**kit colour 1 of your choice:**	**kit colour 2 of your choice:**
15	22	37	43	88

	20 + 23	44 + 44	44 - 1	90 - 2	53 - 10	86 + 2	50 - 7	
10 + 5	23 + 20	87 + 1	22 + 21	100 - 12	33 + 10	98 - 10	100 - 57	75 - 60
7 + 8								14 + 1
90 - 47			20 + 2	30 - 8	11 + 11			34 + 9
43 + 0			30 + 7	20 - 5	36 + 1			29 + 14
	19 + 24		22 - 7	18 - 3	35 - 20		43 - 0	
	80 - 37		8 + 7	50 - 35	15 + 0		39 + 4	
		63 - 20		9 + 6		42 + 1		
		21 + 22	30 + 13	67 - 24	70 - 27	45 - 2		
			41 + 2	40 + 3	60 - 17			

Challenge: Write another calculation that equals 43, which hasn't been used in the mosaic. Explain your strategy.

Children could write down all the calculations used in order to find ones that are missing.