Pirate Addition and Subtraction Facts up to 10 Mosaic

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

red = 5
brown = 6

grey = 7
black = 8

skin tone = 9
blue = 10

		8 + 0	4 + 4	5 + 3	6 + 2	7 + 1		
	0 + 8	4 + 4	3 + 5	2 + 6	1 + 7	4 + 4	8 + 0	
7 + 1	4 + 4	5 + 3	6 + 2	4 + 4	8 + 0	7 + 1	2 + 6	0 + 8
	3 + 3	6 + 3	9 + 0	7 + 2	1 + 8	4 + 5	2 + 4	
	8 + 1	5 + 4	5 + 5	4 + 5	4 + 4	6 + 3	1 + 8	
	6 + 0	8 + 1	0 + 9	2 + 7	4 + 5	2 + 7	3 + 3	
	5 + 1	9 + 0	2 + 3	4 + 1	5 + 0	9 + 0	0 + 6	
	4 + 2	3 + 6	5 + 4	7 + 2	8 + 1	3 + 6	1 + 5	
	10 + 0	7 + 3	7 + 0	2 + 5	5 + 2	5 + 5	1 + 9	3 + 3
9 + 1	6 + 4	8 + 2	4 + 3	6 + 1	3 + 4	0 + 10	4 + 6	8 + 2

Challenge: Sam says 9 + 2 = 10. Is he right? Prove it using equipment.

Pirate Addition and Subtraction Facts up to 10 Mosaic **Answers**

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

red = 5
brown = 6

grey = 7
black = 8

skin tone = 9
blue = 10

		8 + 0	4 + 4	5 + 3	6 + 2	7 + 1		
	0 + 8	4 + 4	3 + 5	2 + 6	1 + 7	4 + 4	8 + 0	
7 + 1	4 + 4	5 + 3	6 + 2	4 + 4	8 + 0	7 + 1	2 + 6	0 + 8
	3 + 3	6 + 3	9 + 0	7 + 2	1 + 8	4 + 5	2 + 4	
	8 + 1	5 + 4	5 + 5	4 + 5	4 + 4	6 + 3	1 + 8	
	6 + 0	8 + 1	0 + 9	2 + 7	4 + 5	2 + 7	3 + 3	
	5 + 1	9 + 0	2 + 3	4 + 1	5 + 0	9 + 0	0 + 6	
	4 + 2	3 + 6	5 + 4	7 + 2	8 + 1	3 + 6	1 + 5	
	10 + 0	7 + 3	7 + 0	2 + 5	5 + 2	5 + 5	1 + 9	3 + 3
9 + 1	6 + 4	8 + 2	4 + 3	6 + 1	3 + 4	0 + 10	4 + 6	8 + 2

Challenge: Sam says 9 + 2 = 10. Is he right? Prove it using equipment.

No, 9 + 2 = 11.

Pirate Addition and Subtraction Facts up to 10 Mosaic

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

brown = 2 **yellow = 3** **black = 4**

			9 - 7				10 - 6	5 - 1
		10 - 7	8 - 5	9 - 6			8 - 4	4 - 0
	6 - 3	4 - 1	5 - 2	4 - 1	5 - 2		10 - 8	
	3 - 0	9 - 6	10 - 7	3 - 0	6 - 3		8 - 6	
			6 - 4				5 - 3	
10 - 8	2 - 0	4 - 2	8 - 6	9 - 7	4 - 2	6 - 4	9 - 7	7 - 5
	5 - 3	7 - 3	4 - 2	9 - 5	5 - 3	6 - 2	4 - 2	
		9 - 7	3 - 1	7 - 5	2 - 0	3 - 1		
			2 - 0	10 - 8	9 - 7			

Challenge: Sam says 10 – 7 = 3. Is he right? Prove it using equipment.

Pirate Addition and Subtraction Facts up to 10 Mosaic

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

brown = 2 **yellow = 3** **black = 4**

			9 - 7				10 - 6	5 - 1
		10 - 7	8 - 5	9 - 6			8 - 4	4 - 0
	6 - 3	4 - 1	5 - 2	4 - 1	5 - 2		10 - 8	
	3 - 0	9 - 6	10 - 7	3 - 0	6 - 3		8 - 6	
			6 - 4				5 - 3	
10 - 8	2 - 0	4 - 2	8 - 6	9 - 7	4 - 2	6 - 4	9 - 7	7 - 5
	5 - 3	7 - 3	4 - 2	9 - 5	5 - 3	6 - 2	4 - 2	
		9 - 7	3 - 1	7 - 5	2 - 0	3 - 1		
			2 - 0	10 - 8	9 - 7			

Challenge: Sam says 10 – 7 = 3. Is he right? Prove it using equipment.

Yes, he is correct.

Pirate Addition and Subtraction Facts up to 10 Mosaic

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

yellow = 2 **brown = 6** **blue = 10**
green = 4 **black = 8**

			2 + 2					
	3 + 1		5 - 1		6 - 2			
		8 - 4	10 - 6	4 + 0				
			3 + 3					
			10 - 4					
			7 - 1					
			5 + 1					
		10 – 8	5 – 3	4 + 4	6 - 4	9 - 1		
10 + 0	2 - 0	9 - 7	3 - 1	4 - 2	8 - 0	7 - 5	10 - 8	9 + 1
7 + 3	1 + 1	2 + 0	9 - 7	10 - 2	8 - 6	9 - 1	1 + 1	6 + 4

Challenge: How do you work out the calculation '4 + 2 = ☐'? Explain your strategy.

Pirate Addition and Subtraction Facts up to 10 Mosaic

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

yellow = 2 **brown = 6** **blue = 10**

green = 4 **black = 8**

			2 + 2					
	3 + 1		5 - 1		6 - 2			
		8 - 4	10 - 6	4 + 0				
			3 + 3					
			10 - 4					
			7 - 1					
			5 + 1					
		10 – 8	5 – 3	4 + 4	6 - 4	9 - 1		
10 + 0	2 - 0	9 - 7	3 - 1	4 - 2	8 - 0	7 - 5	10 - 8	9 + 1
7 + 3	1 + 1	2 + 0	9 - 7	10 - 2	8 - 6	9 - 1	1 + 1	6 + 4

Challenge: How do you work out the calculation '4 + 2 = ☐'?
Explain your strategy.

4 + 2 = 6 Children might use their fingers, equipment, number lines or count on in their head.