

# Long Division with Remainders

Above each division, write the **first five multiples of the divisor** and the **divisor multiplied by 10**. Then, complete the long divisions.

24 48 72 96 120 240							
Example							
			1	5	0	r2	1
2	4	3	6	2	1		
	-	2	4	0	0	(24 × 100)	
		1	2	2	1		
	-	1	2	0	0	(24 × 50)	
				2	1		

1) 9531 ÷ 31 =							

2) 1415 ÷ 12 =							

3) 4464 ÷ 19 =							



## Long Division with Remainders

4)  $6527 \div 31 =$

5)  $4895 \div 46 =$

6)  $8572 \div 39 =$

7)  $9758 \div 48 =$





# Long Division with Remainders **Answers**

31 62 93 124 155 310							
1) $9531 \div 31 =$							
			3	0	7	r1	4
3	1	9	5	3	1		
	-	9	3	0	0	(31 × 100)	
			2	3	1		
		-	2	1	7	(31 × 50)	
				1	4		

12 24 36 48 60 120							
2) $1415 \div 12 =$							
			1	1	7	r1	1
1	2	1	4	1	5		
	-	1	2	0	0	(12 × 100)	
			2	1	5		
		-	1	2	0	(12 × 10)	
				9	5		
				-	8	4	(12 × 7)
					1	1	

19 38 57 76 95 190							
3) $4464 \div 19 =$							
			2	3	4	r1	8
1	9	4	4	6	4		
	-	3	8	0	0	(19 × 20)	
			6	6	4		
		-	5	7	0	(19 × 30)	
				9	4		
				-	7	6	(19 × 4)
					1	8	

31 62 93 124 155 310							
4) $6527 \div 31 =$							
			2	1	0	r1	7
3	1	6	5	2	7		
	-	6	2	0	0	(31 × 200)	
			3	2	7		
		-	3	1	0	(31 × 10)	
				1	7		



# Long Division with Remainders **Answers**

46 92 138 184 230 460							
5) 4895 ÷ 46 =							
			1	0	6	r1	9
4	6	4	8	9	5		
	-	4	6	0	0	(46 × 100)	
			2	9	5		
		-	2	7	6	(46 × 50)	
				1	9		

39 78 117 156 195 390							
6) 1415 ÷ 12 =							
			2	1	9	r3	1
3	9	8	5	7	2		
	-	7	8	0	0	(39 × 200)	
			7	7	2		
		-	3	9	0	(39 × 10)	
			3	8	2		
		-	3	5	1	(39 × 9)	
				3	1		

7) 9758 ÷ 48 =							
			2	0	3	r1	4
4	8	9	7	5	8		
	-	9	6	0	0	(48 × 20)	
			1	5	8		
		-	1	4	4	(48 × 3)	
				1	4		



# Long Division with Remainders **Answers**

- 8) 202 minibuses are needed altogether. There will be 201 full minibuses and an extra minibus is needed for the remaining 19 children.

			2	0	1	r1	9
2	8	5	6	4	7		
	-	5	6	0	0	(28 × 200)	
				4	7		
		-		2	8	(28 × 1)	
				1	9		

- 9)  $100 + 134 = 234$  so 234 boxes are needed altogether.  
There are 32 vanilla and 31 chocolate cupcakes left over.

vanilla							chocolate								
			1	0	0	r3	2				1	3	4	r3	1
6	4	6	4	3	2			5	0	6	7	3	1		
		6	4	0	0	(64 × 100)			-	5	0	0	0	(50 × 100)	
				3	2					1	7	3	1		
									-	1	5	0	0	(50 × 30)	
										2	3	1			
									-	2	0	0	(50 × 4)		
											3	1			

- 10) The remainder cannot be greater than the divisor of 18.

