To divide 4-digit numbers by 1-digit numbers





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2) Use the answers remaining from question 1 to write your own 4 digit division questions which give the number as an answer.





3)

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To divide 4-digit numbers by 1-digit numbers

-000-

	1	0	9				6	3	1			8	1	3		312	553
9	9	8	1		5	3	1	5	5	5	4	0	6	5]	997	109
		9	9	7			5	6	9			5	5	3		560	121
5	4	9	8	5	2	1	1	3	8	2	1	1	0	6		509	151
	1	1	1	Ţ]		1	1	1	1		1	1	1		,	813	801
		8	0	1		3	1	2			3	1	4				
7	5	6	0	7	3	9	3	6		3	9	4	2			631	314



To divide 4-digit numbers by 1-digit numbers

		9	0	8			3	6	2			4	2	7	206 427
2	1	8	1	6	4	1	4	4	8	5	2	1	3	5	667 908
		4	1	5		2	4	6				2	7	2	341 813
8	3	3	2	0	4	9	8	4		' +	1	0	8	8	246 362
		9	0	5			8	1	3			6	6	7	272 415
6	5	4	3	0	5	4	0	6	5	3	2	0	0	1	905 651



2) Use the answers remaining from question 1 to write your own 4 digit division questions which give the number as an answer.

Numbers: 206, 341, 651 -

Varying answers based on numbers:

e.g. 1236 ÷ 6 = 206 1705 ÷ 5 = 341 2604 ÷ 4 = 651

3)



b) Create your own division problem for a friend to solve.Make sure the dividend can be divided exactly by the divisor.





To divide 4-digit numbers by 1-digit numbers

-000

																.	JU7	023
		3	0	9			8	0	7				2	8	2]	>
8	2	4	7	2	4	3	2	2	8		9	2	5	3	8		714	741
	ι		<u> </u>		·		1			_		I			J		187	177
		9	4	4			2	6	6				8	8	4		402	282
8	7	5	5	2	6	1	5	9	6		3	2	6	5	2			
	I	<u> </u>	<u> </u>		I L			1	<u> </u>]			<u> </u>	1	1		884	944
		1	7	7			2	Ο	1				7	1	4		201	807
9	1	5	9	3	7	1	4	0	7		9	6	4	2	6]	
																	944	266



2) Use the answers remaining from question 1 to write your own division questions which give the number as an answer. **Numbers: 623, 187, 402, 741** -

Varying answers based on numbers:

e.g. 3115 ÷ 5 = 623 1496 ÷ 8 = 187 2412 ÷ 6 = 402 5928 ÷ 8 = 741

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3)



b)	Create your own division problem for a friend to solve. Make sure the dividend can be divided exactly by the divisor.											
Varying answers												

- 1)
- a) 7458
- b) 7458 ÷ 6 = 1243

	1	2	4	3
6	7	¹ 4	² 5	¹ 8

c) Yes. 7458 ÷ 3 = 2486.
This is because 3 is a factor of 6.
7458 is a multiple of 3 and 6.

	2	4	8	6
3	7	¹ 4	² 5	¹ 8

- 2) 7329 ÷ 7 = 1047 9240 ÷ 4 = 2310 6345 ÷ 5 = 1269
 - 8244 ÷ 9 = 916
 - a) False. 4616 ÷ 4 = 1154

3)

- b) True.
- c) False. 9849 ÷ 7 = 1407

Yes, because
 = 1403
 = 458
 = 166
 He is incorrect.
 5264 ÷ 4 = 1316 and 1316 < 1721

He is incorrect. 9123 ÷ 3 = 3041 and 2901 < 3041 She was incorrect because she forgot to exchange the remaining 1000 for 10 hundreds. This is then divisible by 2, which is 500.

Divided correctly, 5068 ÷ 2 = 2534

She was incorrect because she has forgotten to exchange reminders in each column.

 Varying answers, including: 1023 ÷ 3 = 341 1032 ÷ 3 = 344 3021 ÷ 3 = 1007 3003 ÷ 3 = 1001 3030 ÷ 3 = 1010 6000 ÷ 3 = 2000

2) Varying answers including:

8745 ÷ 5 = 1749

3)

- α) 6345 ÷ 5 = 1269
- b) Yes, it is also divisible by 3 and 9: 6345 ÷ 3 = 2115
 6345 ÷ 9 = 705





1)



- a) Identify the number represented in the place value chart.
- **b)** Divide the number by 6, using the written method of short division and exchanging if necessary. Use the place value chart to circle the groups of 6 to help you.
- c) Can you divide the number shown in the place value table by 3, too? Prove it. Why do you think this is?



1]			

2) Complete the following divisions using the formal method. Use a place value chart to help.

7	7	3	2	9

4	9	2	4	0



9	8	2	4	4

3) True or false? Use place value counters to help you

a) 4616 ÷ 4 = 1213

				1000s	100s	10s	1s
b) 770	07 ÷ 3 = 25	69					
c) 984	49÷ 7 = 14	32					











2) Leo has written some comparison statements. Is he correct? Prove it.





3) Talia has completed her homework, but she has made some mistakes. Explain the mistakes and calculate the correct answers.





1) Noah has 6 counters. He uses a place value grid to create division questions. Use the clues to find out which calculations he could make.





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2) Complete the following divisions using the formal method. Use a place value chart to help.



- 3) True or false? Use place value counters to help you.
 - **a)** 4616 ÷ 4 = 1213
 - **b)** 7707 ÷ 3 = 2569
 - c) $9849 \div 7 = 1432$

1000s	100s	10s	1s
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1000s	100s	10s	1s





2) Leo has written some comparison statements. Is he correct? Prove it.



3) Talia has completed her homework, but she has made some mistakes. Explain the mistakes and calculate the correct answers.





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 Noah has 6 counters. He uses a place value grid to create division questions. Use the clues to find out which calculations he could make.





The hundreds column has no counters. The number is exactly divisible by 3.

1000s	100s	10s	1s

2) Choose your own digits to complete this calculation. Can you show five different ways?

5	8		5

3)

a) Use your knowledge of short division to help you find the missing digits in this division.



b) Use the dividend you have just found and investigate if it is divisible by any other numbers. Is there more than one answer?

 Noah has 6 counters. He uses a place value grid to create division questions. Use the clues to find out which calculations he could make.



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1000	s 1	.00s	10s	1s

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