

Varied Fluency

Step 6: Divide 4 Digits by 1 Digit

Teaching note: We have included grids for short division and recommend that this resource is printed in colour or greyscale.

National Curriculum Objectives:

Mathematics Year 5: (5C7b) [Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context](#)

Differentiation:

Developing Questions to support dividing 4-digit numbers by 1 digit. No use of zero as a place holder and no exchanges. Short method of division supported by place value grids showing grouping.

Expected Questions to support dividing 4-digit numbers by 1 digit. Some use of zero as a place holder and including up to two exchanges. Pictorial support for some questions, for example PV counters to support exchanging.

Greater Depth Questions to support dividing 4-digit numbers by 1 digit. Use of zero as a place holder and including up to three exchanges where some numbers within calculations are incomplete.

More [Year 5 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Divide 4 Digits by 1 Digit

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1a. True or false? $3,963 \div 3 = 1,321$

3	3	9	6	3

Thousands	Hundreds	Tens	Ones
1,000 1,000 1,000	100 100 100 100 100 100 100	10 10 10 10 10 10	1 1 1



VF

1b. True or false? $4,624 \div 2 = 2,302$

2	4	6	2	4

Thousands	Hundreds	Tens	Ones
1,000 1,000 1,000 1,000	100 100 100 100 100 100	10 10	1 1 1 1



VF

2a. Complete the calculation.

$$2,448 \div 2 = \square$$

1,000 1,000	100 100	10 10	1 1	1 1
	100 100	10 10	1 1	1 1



VF

2b. Complete the calculation.

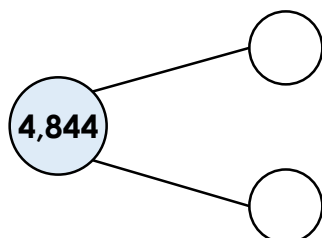
$$6,396 \div 3 = \square$$

1,000 1,000	100	10 10	1 1	1 1
1,000 1,000	100	10 10	1 1	1 1
1,000 1,000	100	10 10	1 1	1 1



VF

3a. The missing numbers are all equal. Complete the part-whole model.

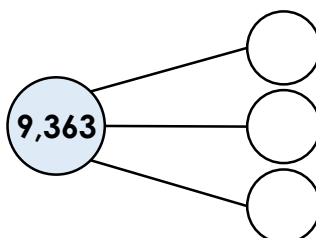


1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10 10	1 1



VF

3b. The missing numbers are all equal. Complete the part-whole model.



1,000 1,000 1,000	100	10 10	1
1,000 1,000 1,000	100	10 10	1
1,000 1,000 1,000	100	10 10	1



VF

Divide 4 Digits by 1 Digit

Divide 4 Digits by 1 Digit

4a. True or false? $4,812 \div 4 = 1,200$

4	4	8	1	2

Thousands	Hundreds	Tens	Ones
1,000 1,000 1,000 1,000	100 100 100 100 100 100	10	1 1 1 1 1 1 1 1



VF

4b. True or false? $3,726 \div 3 = 1,242$

3	3	7	2	6

Thousands	Hundreds	Tens	Ones
1,000 1,000 1,000	100 100 100 100 100	10 10 10 10 10 10 10 10	1 1 1 1 1 1



VF

5a. Complete the calculation.

$$2,406 \div 6 = \boxed{}$$



VF

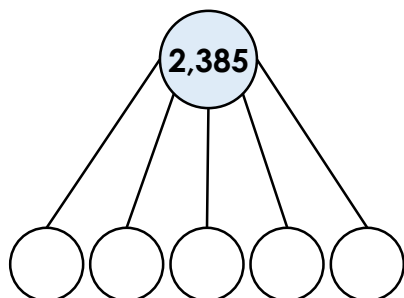
5b. Complete the calculation.

$$8,816 \div 8 = \boxed{}$$



VF

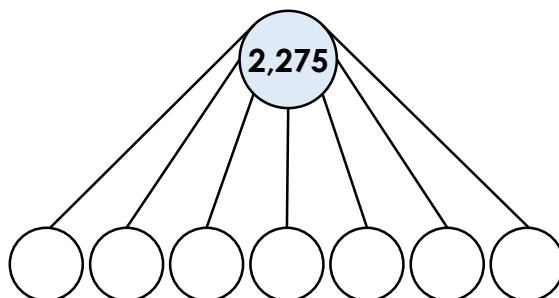
6a. The missing numbers are all equal. Complete the part-whole model.





VF

6b. The missing numbers are all equal. Complete the part-whole model.





VF

Divide 4 Digits by 1 Digit

Divide 4 Digits by 1 Digit

7a. True or false? $6,309 \div 9 = 709$
Use place value counters to help you.

9	6	3	0	9

Thousands	Hundreds	Tens	Ones



VF

7b. True or false? $4,270 \div 7 = 610$
Use place value counters to help you.

7	4	2	7	0

Thousands	Hundreds	Tens	Ones



VF

8a. Complete the calculation by finding the missing digits.

$$5 \square 0 7 \div 7 = 8 \square \square$$



VF

8b. Complete the calculation by finding the missing digits.

$$4 \square 7 2 \div 9 = 5 \square \square$$



VF

9a. Complete the statement using the digit cards to give answers that are whole numbers.

$$\boxed{8} \boxed{5} \boxed{6} \boxed{} \div 8 < \boxed{8} \boxed{5} \boxed{} \boxed{6} \div 6$$

8	0
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VF

9b. Complete the statement using the digit cards to give answers that are whole numbers.

$$\boxed{7} \boxed{3} \boxed{} \boxed{8} \div 4 > \boxed{9} \boxed{3} \boxed{} \boxed{4} \div 6$$

5	6
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VF

Varied Fluency
Divide 4 Digits by 1 Digit

Developing

- 1a. **True**
2a. **1,224**
3a. **2,422**

Expected

- 4a. **False, $4,812 \div 4 = 1,203$**
5a. **401**
6a. **477**

Greater Depth

- 7a. **False, $6,409 \div 9 = 701$**
8a. **$5,607 \div 7 = 801$**
9a. **$8,560 \div 8 = 1,070 < 8,586 \div 6 = 1,431$**

Varied Fluency
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Developing

- 1b. **False, $4,624 \div 2 = 2,312$**
2b. **2,132**
3b. **3,121**

Expected

- 4b. **True**
5b. **1,102**
6b. **325**

Greater Depth

- 7b. **True**
8b. **$4,572 \div 9 = 508$**
9b. **$7,368 \div 4 = 1,842 > 9,354 \div 6 = 1,559$**