

Long Division TASK CARDS

4-digit dividends, 1-digit divisors
some remainders



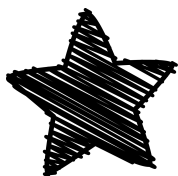
Created by Shelley Gray

Methods and Alternatives for Long Division

These task cards have been designed so that you can choose to have your students use any method for solving the equations. There are several alternatives for traditional long division that you may be interested in teaching your students. Two of these alternatives in particular (the box method and partial quotients) stress a mental math understanding that will enhance your students' understanding of number when solving the equations.

I have included four reference posters in this task card set. These posters can be used as a reference for the different approaches to multi-digit division. These include the box method, partial quotients, the grid method, and traditional long division.

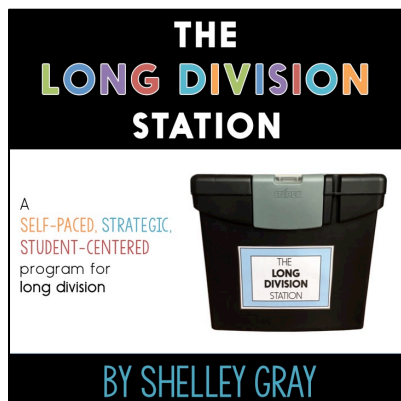
I have also created some videos for three of these approaches that may be helpful for you as you teach long division. Here are the links to those videos:



The Box Method: <https://www.youtube.com/watch?v=yQivSMmYm20>

Partial Quotients: <https://www.youtube.com/watch?v=IHKIPJ7y9ow>

The Grid Method: <https://www.youtube.com/watch?v=OKnS-UHMZGU>



Are you looking for even more support with teaching long division in your classroom? You might be interested in this self-paced, student-centered Long Division Station that will allow your students to move through all of these strategies and approaches at their own pace. That station can be found here:

<https://www.teacherspayteachers.com/Product/The-Long-Division-Station-self-paced-student-centered-3552960>

This resource includes...

Video links to a variety of different alternatives for traditional long division

Reference posters for four different multi-digit division strategies: the box method, partial quotients, the grid method, and traditional long division

Methods and Alternatives for Long Division

These task cards have been designed so that you can choose to teach your students any method for solving the equations. There are several alternatives for traditional long division that you may be interested in teaching your students. Two of these alternatives in particular (The box method and partial quotients) often result in a deeper understanding that will enhance your students' understanding of number when solving the equations.

I have included four reference posters in this task card set. These posters can be used as a reference for the different approaches to multi-digit division. These include the box method, partial quotients, the grid method, and traditional long division.

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 The Grid Method: <https://www.youtube.com/watch?v=2u3b3b3b3b3>

THE LONG DIVISION STATION

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THE BOX METHOD for division

$621 \div 3$

100	100
$3 \overline{) 621}$ $\underline{-300}$ 321	$3 \overline{) 321}$ $\underline{-300}$ 21

$100 + 100 + 7 = 207$

PARTIAL QUOTIENTS

$621 \div 3$

$3 \overline{) 621}$ $\underline{-300}$ 321 $\underline{-300}$ 21 $\underline{-21}$ 0	$\times 100$ $\times 100$ $\times 7$
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$100 + 100 + 7 = 207$

THE GRID METHOD for division

$621 \div 3$

2	0
$3 \overline{) 621}$ $\underline{-600}$ 21	$3 \overline{) 021}$ $\underline{-000}$ 21 $\underline{-21}$ 0

LONG DIVISION

$621 \div 3$

207
$3 \overline{) 621}$ $\underline{-600}$ 21 $\underline{-21}$ 0

MULTIPLY, SUBTRACT, BRING DOWN

Twenty-four task cards that can be used to practice long division using any approach

Solve the division equation: $6102 \div 6$	Solve the division equation: $4431 \div 9$
Solve the division equation: $1372 \div 4$	Solve the division equation: $7562 \div 4$
Solve the division equation: $3376 \div 3$	Solve the division equation: $1225 \div 5$

Solve the division equation: $1564 \div 8$	Solve the division equation: $3255 \div 4$
Solve the division equation: $2250 \div 5$	Solve the division equation: $7124 \div 2$
Solve the division equation: $9713 \div 2$	Solve the division equation: $3356 \div 3$

Solve the division equation: $9084 \div 2$	Solve the division equation: $3567 \div 4$
Solve the division equation: $1314 \div 3$	Solve the division equation: $1414 \div 7$
Solve the division equation: $2005 \div 5$	Solve the division equation: $1289 \div 4$

Solve the division equation: $9628 \div 4$	Solve the division equation: $3142 \div 2$
Solve the division equation: $2138 \div 3$	Solve the division equation: $7452 \div 5$
Solve the division equation: $2931 \div 6$	Solve the division equation: $4866 \div 3$

Spacious recording sheets to help your students stay organized and with enough room to solve each equation using any strategy

Answer key to make self-checking a breeze!

RECORDING SHEET - page 1

Case #1

Case #2

RECORDING SHEET - page 2

Case #3

Case #4

Case #5

Case #6

Case #7

Case #8

Case #9

Case #10

RECORDING SHEET - page 3

Case #11

Case #12

Case #13

Case #14

RECORDING SHEET - page 4

Case #15

Case #16

Case #17

Case #18

Case #19

Case #20

Case #21

Case #22

Case #23

ANSWER KEY		
1.	2407	13. 195 R4
2.	1571	14. 813 R3
3.	712 R2	15. 450
4.	1490 R2	16. 3562
5.	488 R3	17. 4856 R1
6.	1622	18. 1118 R2
7.	4542	19. 1017
8.	871 R3	20. 472 R3
9.	438	21. 343
10.	202	22. 1890 R2
11.	401	23. 1125 R1
12.	322 R1	24. 245