

Long Division TASK CARDS

4-digit dividends, 1-digit divisors
no remainders

Solve the division equation:
 $5607 \div 7$



Long Division Task Cards- Card #1

Solve the division equation:

$$5736 \div 4$$



Long Division Task Cards- Card #2

$$1230 \div 5$$



Long Division Task Cards- Card #3

Solve the division equation:

$$2982 \div 2$$



Long Division Task Cards- Card #4

Solve the division equation:

$$5712 \div 4$$



Long Division Task Cards- Card #5

Solve the division equation:

$$6725 \div 5$$



Long Division Task Cards- Card #6

Solve the division equation:

$$2514 \div 3$$



Long Division Task Cards- Card #7

Solve the division equation:

$$4207 \div 7$$



Solve the division equation:

$$6216 \div 3$$

Solve the division equation:

$$2524 \div 2$$



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.

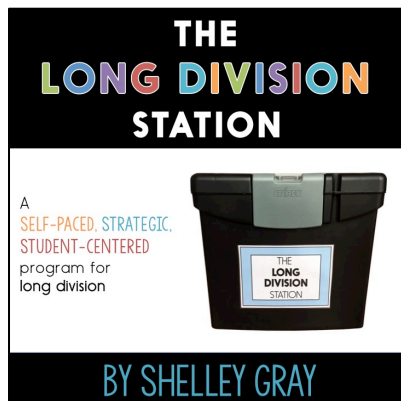
I have also created some videos for three of these approaches that may be helpful for you as you teach long division. Here are the links to those videos:



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 prefer when teaching your students. Two of these alternatives in particular (The box method and partial quotients) are used to build 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, the grid method, 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=2Uk28k5n200>
Partial Quotients <https://www.youtube.com/watch?v=3U4K777A9w0>
The Grid Method <https://www.youtube.com/watch?v=7G5cL48M400>

THE LONG DIVISION STATION

Are you looking for even more support for 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. This station can be found here: <https://www.teacherspayteachers.com/Product/The-Long-Division-Station-for-general-student-centers-3526360>

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THE BOX METHOD for division

$621 \div 3$

	100	100	
3	$\begin{array}{r} 621 \\ -300 \\ \hline 321 \end{array}$	$\begin{array}{r} 321 \\ -300 \\ \hline 21 \end{array}$	

$100 + 100 + 7 = 207$

PARTIAL QUOTIENTS

$621 \div 3$

3	$\begin{array}{r} 621 \\ -300 \\ \hline 321 \\ -300 \\ \hline 21 \\ -21 \\ \hline 0 \end{array}$	$\times 100$
		$\times 100$
		$\times 7$

$100 + 100 + 7 = 207$

THE GRID METHOD for division

$621 \div 3$

3	$\begin{array}{r l} 2 & 0 \\ -6 & 02 \\ \hline 0 & 2 \\ & -0 \\ & \hline & 21 \\ & -21 \\ & \hline & 0 \end{array}$
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LONG DIVISION

$621 \div 3$

$$\begin{array}{r} 207 \\ 3 \overline{) 621} \\ \underline{-6} \\ 02 \\ \underline{-0} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

MULTIPLY, SUBTRACT, BRING DOWN

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

Solve the division equation. $2020 \div 4$ ★ Easy Division: 3rd Grade, Grade #11	Solve the division equation. $1774 \div 2$ ★ Easy Division: 3rd Grade, Grade #12
Solve the division equation. $6315 \div 3$ ★ Easy Division: 3rd Grade, Grade #13	Solve the division equation. $8071 \div 7$ ★ Easy Division: 3rd Grade, Grade #13
Solve the division equation. $1008 \div 4$ ★ Easy Division: 3rd Grade, Grade #12	Solve the division equation. $6544 \div 2$ ★ Easy Division: 3rd Grade, Grade #12

Solve the division equation. $4207 \div 7$ ★ Easy Division: 3rd Grade, Grade #11	Solve the division equation. $6216 \div 3$ ★ Easy Division: 3rd Grade, Grade #11
Solve the division equation. $2982 \div 2$ ★ Easy Division: 3rd Grade, Grade #10	Solve the division equation. $5712 \div 4$ ★ Easy Division: 3rd Grade, Grade #10
Solve the division equation. $6725 \div 5$ ★ Easy Division: 3rd Grade, Grade #12	Solve the division equation. $8817 \div 3$ ★ Easy Division: 3rd Grade, Grade #10

Solve the division equation. $5607 \div 7$ ★ Easy Division: 3rd Grade, Grade #11	Solve the division equation. $2514 \div 3$ ★ Easy Division: 3rd Grade, Grade #11
Solve the division equation. $1230 \div 5$ ★ Easy Division: 3rd Grade, Grade #10	Solve the division equation. $5736 \div 4$ ★ Easy Division: 3rd Grade, Grade #10
Solve the division equation. $1720 \div 2$ ★ Easy Division: 3rd Grade, Grade #10	Solve the division equation. $2524 \div 2$ ★ Easy Division: 3rd Grade, Grade #10

Solve the division equation. $3164 \div 2$ ★ Easy Division: 3rd Grade, Grade #11	Solve the division equation. $4745 \div 5$ ★ Easy Division: 3rd Grade, Grade #12
Solve the division equation. $2364 \div 4$ ★ Easy Division: 3rd Grade, Grade #11	Solve the division equation. $1918 \div 2$ ★ Easy Division: 3rd Grade, Grade #11
Solve the division equation. $4017 \div 3$ ★ Easy Division: 3rd Grade, Grade #10	Solve the division equation. $5412 \div 6$ ★ Easy Division: 3rd Grade, Grade #10

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!

The image shows four overlapping recording sheets, labeled 'RECORDING SHEET - page 1' through 'page 4'. Each sheet contains a grid of boxes for equations. Page 1 has three boxes labeled 'Equation 1', 'Equation 2', and 'Equation 3'. Page 2 has six boxes labeled 'Equation 4' through 'Equation 9'. Page 3 has three boxes labeled 'Equation 10', 'Equation 11', and 'Equation 12'. Page 4 has six boxes labeled 'Equation 13' through 'Equation 18'. Each box is a large rectangle with a smaller rectangle inside, intended for writing the equation and showing the work.

ANSWER KEY		
1.	18 R3	13. 19
2.	143 R2	14. 83 R1
3.	43	15. 27
4.	149	16. 77
5.	32 R2	17. 11 R1
6.	323	18. 75
7.	13	19. 16 R1
8.	73	20. 48
9.	19	21. 12 R3
10.	48 R3	22. 75
11.	11 R2	23. 19 R1
12.	170 R2	24. 119

www.ShelleyGrayTeaching.com