GLOBALMATHPROJECT

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Adventures in Exploding Dots

Lesson 5 PRACTICE PROBLEMS

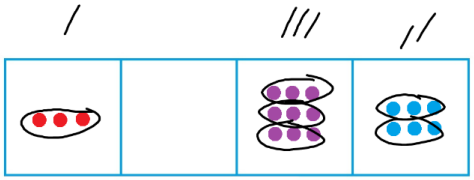
Division

Long division made exceptionally clear.

Photo: Tanzania, 2019.

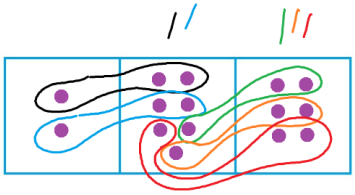
Here's a picture of $3906 \div 3 = 1302$.

3906 =



And here's one of $276 \div 12 = 23$.

276 =



The picture of $277 \div 12$ would have an extra dot in the rightmost box and we'd see that $277 \div 12 = 23$ with a remainder of 1.

Here are some division problems you might or might not want to try. Feel free to just pick and choose.

1. Compute 4840 ÷ 4.
2. Compute 721 ÷ 7.
3. Compute 126 ÷ 6.
4. Compute 126 ÷ 3.
5. Compute 126 ÷ 2.
6. Compute 126 ÷ 1.
7. Compute 3641 ÷ 11.
8. Compute 3642 ÷ 11.
9. Compute 3649 ÷ 11.
10. Compute 3900 ÷ 12.
11. Compute 100 ÷ 9.
12. Compute 1000000000 ÷ 9.

Here are some trickier division problems if you like trickiness. Again, do as many or as few of these as you like!

13. Compute $2783 \div 23$.

14. Compute 3900 ÷ 12.

15. Compute 46632 ÷ 201.

16. Show that 31533 ÷ 101 equals 312 with a remainder of 21.

17. Compute 2789 ÷ 11.

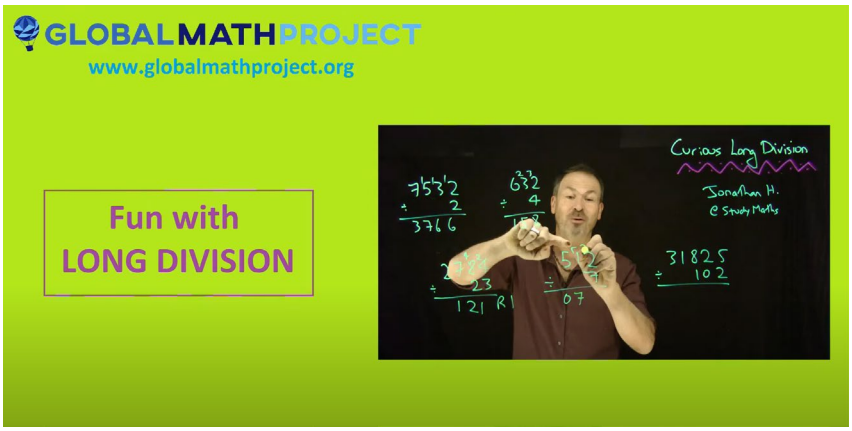
18. Compute 4366 ÷ 14.

19. Compute 5481 ÷ 131.

20. Compute 61230 ÷ 5.

OPTIONAL FUN

Here's a video that might be fun to watch. It's about an algorithm for doing long division.



https://youtu.be/sWrjGjM2Vjc