

Fourth Grade Cluster 3

Additional Resources



Videos to share with parents and colleagues:

- This video explains the relationship of digits and their place value. https://learnzillion.com/lesson_plans/7426-understand-relationships-between-digits-and-their-place-value/
- "Read and Write Numbers in Numeric Form" – Learn to write multi-digit numbers up to and including 100,000 using numerals and number names. https://learnzillion.com/lesson_plans/8981-read-and-write-numbers-in-numeric-form/
- "Read and Write Numbers in Expanded Form" – Students will read and write multi-digit numbers in expanded form. https://learnzillion.com/lesson_plans/8840-read-and-write-numbers-in-expanded-form/

Videos to share with students:

- This video explains the relationship of digits and their place value. https://learnzillion.com/lesson_plans/7426-understand-relationships-between-digits-and-their-place-value/
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- Animated video about adding and subtracting numbers (without regrouping): <http://studyjams.scholastic.com/studyjams/jams/math/addition-subtraction/add-sub-wo-regrp.htm>
- Animated video about adding (with regrouping): <http://studyjams.scholastic.com/studyjams/jams/math/addition-subtraction/add-with-regroup.htm>
- Animated video about subtracting (with regrouping): <http://studyjams.scholastic.com/studyjams/jams/math/addition-subtraction/sub-with-regroup.htm>
- Animated video showing simple problems with an unknown quantity: <http://studyjams.scholastic.com/studyjams/jams/math/algebra/mult-div-equations.htm>

Literature connections:

- *Sir Cumference and All the King's Tens* by Cindy Neuschwander – This book is about a family who realizes the value of grouping by tens, hundreds, and thousands. Hear the book read aloud here: https://www.youtube.com/watch?v=UmAYYbbeufE&list=PLwkuvgaY_NoRjk_SP0aWsomjITwlo0vAb&index=4

Manipulative options:

- Base ten blocks
- Place value chart
- Arrow cards (also go with video called Read and Write Numbers in Expanded Form)
- Graph paper helps students line up numbers by place when using the adding and subtracting algorithm

Online games for kids:

- Scorpion Game: Students will "eat" bugs needed to build number.
<https://www.turtlediary.com/game/identifying-place-value.html>
- Number Detective: Students will build numbers using the hints given.
<https://www.turtlediary.com/game/number-detective.html>
- Place Value Hockey: Students practice place value forms with a fun educational game.
http://www.abcya.com/place_value_hockey.htm
- Subtraction algorithm game: <https://www.splashmath.com/subtraction-games-for-4th-graders>
- Whole group addition algorithm jeopardy game: <https://jeopardylabs.com/play/3-digit-addition-review-jeopardy-game>
- Adding game that will build a strong foundation in addition: <https://www.turtlediary.com/game/missing-addends.html>

Additional Resources:

- Blank place value chart to the hundred thousands place:
<https://www.gcagators.org/attachments/article/92/Place%20Value%20Chart%20to%20100,000.pdf>