

Fourth Grade Cluster 7

Additional Resources



Videos to share with parents and colleagues:

- Decomposing fractions: <https://www.youtube.com/watch?v=5ZmLKMPVtsQ>
- Adding fractions video: (This video tells students to simplify fractions when possible, so you will need to explain this connection to equivalent fractions.) <https://www.youtube.com/watch?v=m053rHEIQr4>
- Converting, adding, and subtracting mixed numbers and improper fractions: <https://www.youtube.com/watch?v=qk2oP6FZ6HA>
- Subtracting mixed numbers with regrouping: <https://www.youtube.com/watch?v=Tqld5fIlv3I>
- Adding mixed numbers: <https://www.youtube.com/watch?v=pxX07gUbIQQ>

Videos to share with students:

- Introduction to mixed numbers and improper fractions: <https://www.youtube.com/watch?v=ggYdPef3Nuk>
- Animated explanation of adding and subtracting mixed numbers and improper fractions: <http://studyjams.scholastic.com/studyjams/jams/math/fractions/add-sub-mixed-numbers.htm>
- Multiplying fractions by a whole number song: <https://www.youtube.com/watch?v=f1nyzzkIVNSQ>
- Decomposing fractions: <https://www.youtube.com/watch?v=4Kw4uRUTcT4>
- Adding and subtracting fractions: <https://www.youtube.com/watch?v=QxVlJskQJAK>
- Subtracting mixed numbers: https://www.youtube.com/watch?v=_ymjIdnfYUg
- Adding mixed numbers: <https://www.youtube.com/watch?v=LwzoDS5TRdM>

Manipulative options:

- Fraction bars/fraction tiles
- Fraction circles
- Counters
- Pattern blocks

Online games for kids:

- Converting mixed and improper fractions: <https://www.education.com/game/improper-proper-fraction-conversions/>
- Mixed and improper sling shot: http://www.abcya.com/fraction_fling.htm

- Ice cream shop – Converting improper fractions to mixed numbers: <http://mnrussbaum.com/clarafraction/>
- Mixed and improper Pac-Man:
http://www.sheppardsoftware.com/mathgames/fractions/mathman_improper_fractions.htm
- Adding fractions with like denominators: http://www.abcya.com/adding_fractions.htm
- Adding and subtracting fractions: https://www.mathplayground.com/ASB_Speedway.html

Additional resources:

- Mixed numbers and improper fractions spiral card game (printable):
<https://www.teacherspayteachers.com/Product/Mixed-Numbers-and-Improper-Fractions-Spiral-Card-Game-472102>
- Fraction match (printable): <https://www.teacherspayteachers.com/Product/Fraction-Match-208655>
- Improper fraction/mixed numbers whole group game:
<https://www.teacherspayteachers.com/Product/Improper-Fractions-and-Mix-Numbers-PowerPoint-Game-247922>
- Mixed and Improper game using a deck of playing cards:
<https://www.teacherspayteachers.com/Product/Mixed-Numbers-and-Improper-Fractions-Game-Mixed-Up-Kings-536196>