

10 Instructional Shifts (Leinwand)

1. Incorporate **ongoing cumulative review** into every day's lesson.
2. **Adapt what we know works in our reading programs** and apply it to mathematics instruction.
3. Use **multiple representations** of mathematical entities.
4. Create **language-rich classroom** routines.
5. Take every available opportunity to **support the development of number sense**.
6. Build from **graphs, charts, and tables**.
7. Tie the mathematics to such questions as How big? How much? How far? **increasing the natural use of measurement throughout the curriculum**.
8. **Minimize what is no longer important** and teach what is important when it is appropriate to do so.
9. **Embed the mathematics in realistic problems** and real-world contexts.
10. Make **“Why?” “How do you know?”** and **“Can you explain?”** classroom mantras.