

Recommendations for parents

CAPSC Math Excellence Forum, January 28, 2016

For more information, contact
Anna Stokke, University of Winnipeg
E-mail: a.stokke@uwinnipeg.ca
WISE Math: wisemath.org
Twitter: [@rastokke](https://twitter.com/rastokke)

National Math Advisory Panel on arithmetic and fractions

- End of Grade 3: Proficient with whole number addition / subtraction
- End of Grade 5: Proficient with whole number multiplication / division
- End of Grade 5: Proficient with fraction and decimal addition & subtraction
- End of Grade 6: Proficient with fraction and decimal multiplication & division

Assess your child's basic math skills in K-6

- Make a test on the basics
 - Gr 3 / 4: Times table speed test (2-second rule)
4-digit addition & subtraction (with borrows)
3 or 4-digit by 1-digit efficient multiplication
 - Gr 4 / 5: 3-digit by 2-digit efficient multiplication
4-digit by 1-digit long division
 - Gr 5 / 6: Addition, subtraction, multiplication,
division of fractions
- Other things to check: place value, word problems, area, perimeter, fractions to decimals, percents, ratios, etc.

Placement tests

- Google: Singapore placement tests. (Could subtract one from your child's grade. Eg. Give G5 child the G4 test.)
- Find out what your child is missing and try to address before it snowballs.

My suggestions

- Work on times table memorization daily. “Beat your time” speed tests
- Make sure your child knows standard algorithms and get them to **practice – a lot**
- They must move past inefficient convoluted strategies, like tick marks, pictures, horizontal methods
- **Practice** fraction arithmetic – **a lot**
- Don't be afraid to advocate for your child

My motto: If you see something's wrong, say something.

Resources

- JUMP Math or JUMP at Home jumpmath.org
- <http://math-drills.com>
- <http://www.worksheetworks.com>
- My tips for memorizing times tables: Google Winnipeg Free Press, Parental help factors in on math success.
- <https://ca.ixl.com>
- Times table generator:
<http://www.timestables.me.uk/printable-pdf-quiz-generator.htm>

Resources

- <http://www.societyforqualityeducation.org/> (under “resources”)
- “Stuff for parents” podcasts on math:
<http://stuffforparents.com/podcasts>
- If your child needs extra challenge: Singapore Math’s series (Singapore Challenging Math Problems, Singapore Intensive Practice series)
- My C.D. Howe Report “What to do about Canada’s declining math scores”