

IRWIN ALTMAN MIDDLE SCHOOL 172

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Dear Incoming Sixth Grade Students and Families,

Congratulations on a phenomenal year with fifth grade math! We hope you are proud of yourself and are celebrating the great math thinking and growth you experienced this year.

The sixth grade math team has created a summer math “packet” for you to continue practicing your great math thinking. Students should try to complete one problem a day (rather than all the problems in one or two days). The daily problems in this math packet will review math concepts and skills from 5th grade. Just a few minutes each day spent “thinking and talking” math will help reinforce the math that has been learned and ensure students are ready to extend their thinking to the concepts that will be developed in 6th grade.

This packet is **due on Friday September 11, 2020**. Please show work on a separate loose-leaf and record your answer on the calendar. Staple your work and the calendar together.

If you are looking for extra practice, the following skills are beneficial for 6th grade:

- Know your multiplication facts from 0-12 (ex. 12×9)
- Multi-digit multiplication (ex. 457×68)
- Multi-digit long division ($5874 \div 12$)
- Add, subtract, multiply and divide decimals (ex. $0.180 + - x$ or $\div 0.15$)
- Add, subtract, multiply and divide fractions (ex. $5 \frac{1}{4} + - x$ or $\div 1 \frac{1}{2}$)
- Modeling decimals (model what 0.5 or 0.05 on a tenths or hundredths grid. Model what
- Modeling fractions (model what $\frac{7}{8}$ or $1 \frac{3}{4}$ looks like with bar models)

Please refer to the resources and choose the websites and/or books that are most interesting to you by clicking on the Blue Hyperlinks.

Websites to Explore:

<https://www.youcubed.org/>

<https://www.khanacademy.org/>

<https://www.coolmath4kids.com>

<https://www.mathplayground.com/>

<https://www.brainzilla.com/>

<https://www.coolmathgames.com/>

<https://figurethis.nctm.org/>

Great Math Books to Read: You can go [NYPL](#) (to borrow for free) or [Amazon](#) (to purchase kindle or hardcopy).

-*Evil Genius* by Catherine Jinks

-*All of the Above* by Shelley Pearsall

-*Hannah Divided* by Adele Griffin

-*Guinness Book of Records* by Time Inc

-*The Number Devil* by Hans Magnus Enzensberger

-*Math Curse* by Jon Scieszka

-*The Wright 3* by Blue Balliett

-*A Wrinkle in Time* by Madeleine L'Engle

-*Mathematicians are People Too* by Luetta Reimer & Wilbert Reimer