

Scale up your *Math Class* to the next level.

Join **Mathcation.com** and you'll get:



Complete Lessons

Access to over 90 lessons from start to finish



Worksheets

Access to hundreds of math worksheets



Lesson Plans

Plans designed to be teacher led or student led



Answer Keys

Keys with sample answers for easy scoring



Videos

Easy to follow videos and guided tutorials



Quizzes

Quizzes for each lesson to show student mastery

Each lesson has...

✓ Lesson Plan

✓ Tutorial Video

✓ Lesson Page

✓ Guided Notes

✓ Mastery Quiz

✓ Practice Quiz

✓ PowerPoint
Presentation

✓ Two Practice
Worksheets

✓ YouTube
Lesson Video

Use code **5Dollars*** at signup to receive your first month for just \$5!

Join Now →



MATHCATION.COM



*APPLIES TO MONTHLY MEMBERSHIP ONLY

Terms of Use

Thank you for your download! By downloading this resource, you are agreeing that the contents are the property of Mathcation, LLC and licensed to you only for classroom / personal use as a single user. Mathcation, LLC retains the copyright, and reserves all rights to this product.

YOU MAY:

- ☐ Use free and purchased items for your own classroom students, or your own personal use.
- ☐ Reference this product in blog posts, at seminars, professional development, workshops, or other such venues, **ONLY** if both credit is given to myself as the author, and a link back to my TpT store is included in the presentation.
- ☐ Purchase licenses at a great discount for other teachers to use this resource.

YOU MAY NOT:

- ☐ Claim this work as your own, alter the files in any way, or remove copyright / watermarks.
- ☐ Sell the files or combine them into another unit for sale / free.
- ☐ Post this document for sale / free elsewhere on the internet (this includes Google Doc links on blogs).
- ☐ Making copies of purchased items to share with others is strictly forbidden and is a violation of the TOU / law.

Thank you for abiding by universally accepted codes of professional ethics while using this product. If you encounter an issue with your file, notice an error, or are in any way experiencing a problem, please contact me and I will be more than happy to help sort it out. You can contact us by clicking [here](#).

Thank you!



Power of a Power Rule

Practice Worksheet A

1 Practice Problems

Simplify using the Power of a Power Rule.

1) $(2^2)^2$

6) $(x^{-2})^{-4}$

2) $(8^8)^4$

7) $(x^6)^3$

3) $(4^{-2})^{-2}$

8) $(x^{-5})^{-20}$

4) $(11^{-10})^{-4}$

9) $(x^{-15})^{-3}$

5) $(18^{-3})^{-5}$

10) $(x^{-50})^{-4}$

Power of a Power Rule

Practice Worksheet A

1 Practice Problems

Simplify using the Power of a Power Rule.

1) $(2^2)^2$ **2^4**

6) $(x^{-2})^{-4}$ **x^8**

2) $(8^8)^4$ **8^{32}**

7) $(x^6)^3$ **x^{18}**

3) $(4^{-2})^{-2}$ **4^4**

8) $(x^{-5})^{-20}$ **x^{100}**

4) $(11^{-10})^{-4}$ **11^{40}**

9) $(x^{-15})^{-3}$ **x^{45}**

5) $(18^{-3})^{-5}$ **18^{15}**

10) $(x^{-50})^{-4}$ **x^{200}**