

# Addition & Subtraction Unit

#### **Pretests**

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### Workshop Lessons

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- Pğ. 10-12 Properties of Addition Sort
- Pğ. 13-14 Party Planner Pğ. 15-16 Rollin' Addition
- Pğ. 17-19 Subtraction Writing
- Pă. 20-21 Rollin' Subtraction
- Pg. 22-24 Missing Numbers Pg. 25-26 Number Sentence Races

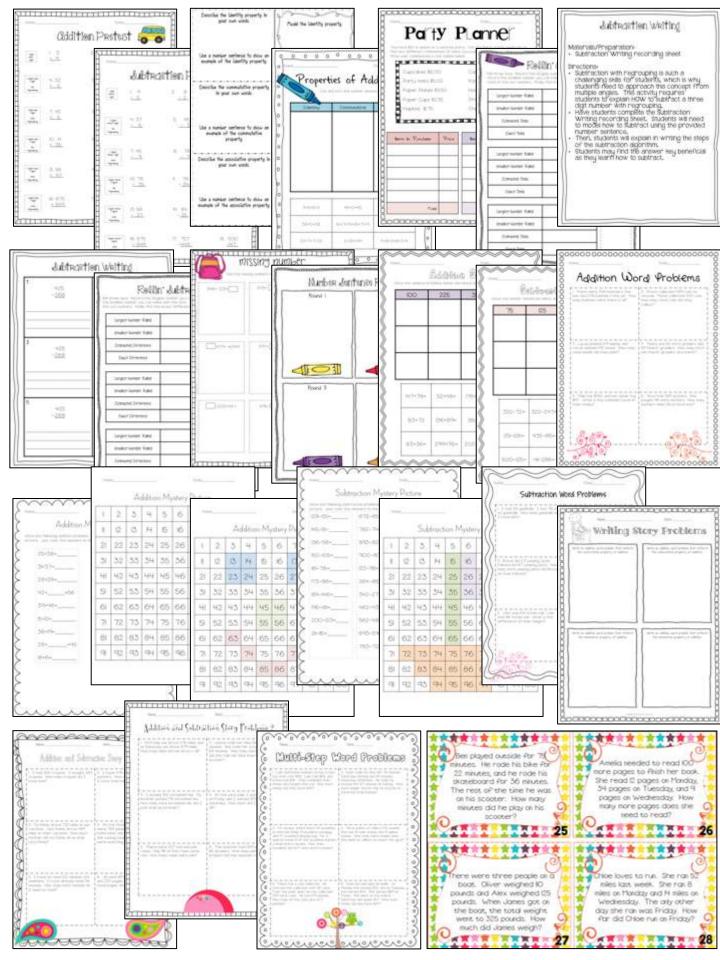
#### Worksheets

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# Graphing an integrated approach

I've always looked at data analysis and/or graphing as its own little unit in my math curriculum and taught it in isolation from other math concepts and subject areas. As I studied the Common Core standards and reflected on my own math instruction, I saw the need to integrate my data standards into each of the math strands and concepts I taught throughout the year. This graphing unit contains at least two graphing activities for each of the math concepts below::

- Place value
- · Addition/Subtraction
- Multiplication/Division
- Fractions
- · Measurement
- · Geometry

since the Common Core standards were the foundation of this unit, you'll find a combination of picture graphs, bar graphs, and line plots in the activities. Because these graphs may be new to students, I recommend spending a brief amount to time at the beginning of the year studying each type of graph to familiarize students with how to create and read the three types of graphs. It will also be important for students to understand basic terminology such as increments, scaled, and data. In this unit, I've included basic terminology posters as well as an introductory lesson for each type of graph.

If the integrated approach just isn't for you or if time won't permit, these lessons can certainly be used in a more traditional graphing unit. Just pick and choose the activities that will best suit your students!

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Vocabulary

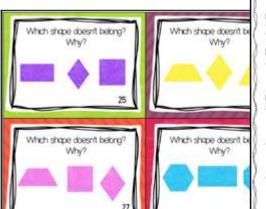
- Pg. 24 Vocabulary List
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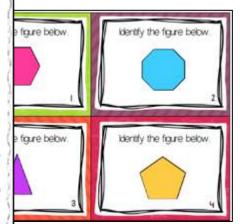
#### Materials Task Çands

Answer Sheet

#### Preparation

 Print and laminate task cands (use candstock for extra durability)

- This makes a great center or work station activity; Have students with a partner to answer a variety of geometry questions.
- If you have not yet taught a particular skill or term, you can remove those cands until your students are ready.
- I encourage my students to review their work with the included answer key. However, I don't give them the answer key until after they've completed the activity.



## Fractions Rock

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### Teacher Notes

Ever since the release of the Common Core Standards, I've wanted to create a comprehensive fraction unit that would teach all of the third grade standards. I think fractions required the biggest change in my instruction as I transitioned from my state standards to the Common Core Standards. However, I didn't want to create the unit until I had a couple years experience with the Common Core Standards. I wanted to experiment with what strategies worked best with my students and to find potential areas of trouble. I created this unit with a focus on both conceptual understanding and skills practice. I've broken this unit into three parts: math workshop lessons, skills practice worksheets, and task cards. The math workshop sections contain the lesson plan, any needed recording sheet for the activity, and a practice sheet that I use as a follow up for skills practice or homework. I've also included a "Unit at a Glance" page that shows how I plan to implement this unit in my own classroom. It will show the order I plan to teach each lesson and which skills practice worksheet I use to reinforce each math workshop lesson. I've set aside five weeks to focus on fractions, which may seem a little long for a fractions unit. I needed the extra time, because I incorporate math workstations on Tuesdays and Thursdays. That is the time I will pull aside small groups of students to work with anyone who needs additional help or practice. The rest of my class will participate in workstation activities. If you don't need the workstation plans, you can refer to the "Unit at a Glance" on page five that lays out the unit without workstations.

