



**PARKSIDE CHRISTIAN ACADEMY**

215 Forest Hills Street, Boston, MA 02130

617-522-1841



## **Weekly Sheet for MS1 Mathematics**

**Mr. Charlton**

[ncharlton@parksideca.org](mailto:ncharlton@parksideca.org)

**Week # 5      Dates: Sept 23, 2011 – Sept 30, 2011**

### **Topics/Content/Skills:**

**Topic:** Approximation of groups of numbers (rounding up/down), addition/subtraction of fractions using lowest common multiple, conversion between improper fractions and mixed numbers, and mental mathematics exercises.

#### **Content:**

Students will continue to discover the concept of number approximation, and the addition/subtraction of decimals. While the students are learning these concepts, they will also be performing mental mathematics exercises, to give them practice-solving mathematics in their minds.

**Skills:** Students will be able to understand and use

- Approximation to add or subtraction large numbers quickly
- Understand what are fractions, as well as the conversions from mixed number to improper fraction and then back again
- Special ones to change the appearances of numbers to add/subtract unlike fractions

### **Vocabulary/Key Terms/Formulas:**

#### **Vocabulary:**

- Mixed number: A number that consists of an integer followed by a proper fraction.
- improper fraction: An improper fraction is a fraction that has a numerator larger than or equal to its denominator

**Key Terms:** Not this week.

**Formula:** NA

**Homework:**

	<b><u>Lesson</u></b>	<b><u>Homework</u></b>
<b><u>Monday</u></b>	Learning to approximate large or very small numbers using addition, subtraction or multiplication	Students will: <ul style="list-style-type: none"><li>• Complete handout</li></ul>
<b><u>Tuesday</u></b>	Review of APPROXIMATION SKILLS	Students will: <ul style="list-style-type: none"><li>• Complete assignment in workbook p.23</li></ul>
<b><u>Wednesday</u></b>	Continuation of the lesson "What is a special one?" Quiz: will include approximation and multiplying/division of large and small decimals	Students will: <ul style="list-style-type: none"><li>• Have to complete the fractions sheet given out in class.</li></ul>
<b><u>Thursday</u></b>	Teacher will be out of the classroom	Students will: <ul style="list-style-type: none"><li>• Complete handout given in class</li></ul>
<b><u>Friday</u></b>	Mental exercises.	Students will: <ul style="list-style-type: none"><li>• Complete handout in class</li></ul>

**Tests:**

NA

**Special Events/News:**

NA

**Extra-ordinaries/Mastery Review Material:**

1. Find the missing quantity in each of the following:
  - (a) What is 10% of 672.3 kg?
  - (b) 42 are what percent of 132.3 g?
  - (c) 18.7 g is .5% of what amount?
2. In 80.042 g (1 mole) of ammonium nitrate, there are 28.014 g of nitrogen, 47.997 g of oxygen and the rest is hydrogen.
  - (a) What percent of ammonium nitrate is nitrogen?
  - (b) What percent of ammonium nitrate is oxygen?
  - (c) What percent of ammonium nitrate is hydrogen?