

Grade 6 Mathematics
Week of November 2 – November 6

Lesson 1.7: BEDMAS and Unit 1 Inquiry Project

(AKA: BEMDAS, PEDMAS, PEMDAS)

Lesson Materials

- Lessons for Section [1.7 BEMDAS](#)
- BEDMAS Learning Guide (This PDF)
- [Unit 1 Project List](#)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the “Table of Contents” at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.

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Numbers are all around us. They serve very different purposes depending on how they are used. A number is a mathematical object used to count, measure or label.

Count	Measure	Label
-	centimeter decimeter	

Work through the online lessons. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

<p>Monday</p> <ul style="list-style-type: none">• BEDMAS• Arrange Game• Brackets and Decimals• LG 1.7 #1-3, p. 28 <p>Tuesday</p> <ul style="list-style-type: none">• Breakdown• Practice• Extra Examples• LG #4-5, p.28-29	<p>Wednesday</p> <ul style="list-style-type: none">• Choose project topic and begin <p>Thursday</p> <ul style="list-style-type: none">• Project Work <p>Friday</p> <ul style="list-style-type: none">• Project work
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1.7 BEDMAS (ORDER OF OPERATIONS)

1. What does each letter in BEDMAS stand for?

B _____

E _____

D _____

M _____

A _____

S _____

2. Why does the order in which you solve a mathematical question matter?

3. Solve the following questions. Show each step of the process, as is done in the example.

Reminder: Don't forget to use the rules for the Order of Operations (BEDMAS).

Ex. $9 + 3 \times 2$

$$\begin{array}{c} \swarrow \quad \searrow \\ 9 + 3 \\ \swarrow \quad \searrow \\ 12 \\ \swarrow \quad \searrow \\ 12 + 2 \\ \swarrow \quad \searrow \\ 14 \end{array}$$

c. $8 \div 4 + 1$

a. $6 - 1 \times 4$

d. $3 \times (6 + 4)$

b. $(5 - 2) \times 7$

e. $10 - 4 \div 2$

4. Solve the following questions. Show each step of the process, as is done in the example.

Ex. $(9 + 3) + 2 \div 2$

$$\begin{array}{c} \swarrow \quad \searrow \\ 9 + 3 \\ \swarrow \quad \searrow \\ 12 \\ \swarrow \quad \searrow \\ 12 + 2 \div 2 \\ \swarrow \quad \searrow \\ 12 + 1 \\ \swarrow \quad \searrow \\ 13 \end{array}$$

a. $36 - (4 + 8) \div 4$

b. $12 \times 5 - 4 \times 3$

d. $7 \times (6 + 3) - 1$

c. $36 - 4 \times 8 \div 4$

e. $4 \div (12 - 10) + 6 \times 4$

5. After completing her math assignment, Lily learns that she made some mistakes in using the order of operations. Can you find her mistakes? Circle the spot where she made the mistake **and** redo the problem correctly.

Lily's Work (circle her mistakes)	Your Work (redo the problem here)
a. $15 - 9 \div 3$ $\quad \swarrow$ $\quad 6 \div 3$ $\quad \swarrow$ $\quad 2$	$15 - 9 \div 3$
b. $8 + (7 - 5) \times 11$ $\quad \swarrow$ $\quad 8 + 2 \times 11$ $\quad \swarrow$ $\quad 10 \times 11$ $\quad \swarrow$ $\quad 110$	$8 + (7 - 5) \times 11$
c. $24 - 9 \times 2 + 6 \div 3$ $\quad \swarrow$ $\quad 24 - 18 + 6 \div 3$ $\quad \swarrow$ $\quad 6 + 6 \div 3$ $\quad \swarrow$ $\quad 12 \div 3$ $\quad \swarrow$ $\quad 4$	$24 - 9 \times 2 + 6 \div 3$