

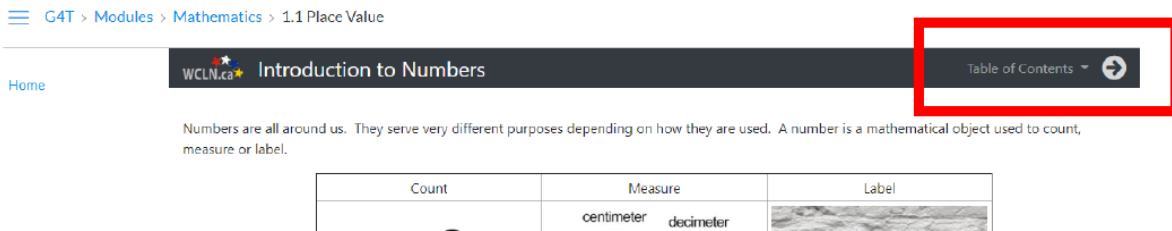
Grade 6 Mathematics
Week of October 13 – October 16

Lesson: Multiplying & Dividing Decimals

Lesson Materials

- Lessons for Section [Multiplying & Dividing Decimals](#)
- Place Values Learning Guide (This PDF)

Use the link above to open the lessons for Section Multiplying & Dividing Decimals. 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.



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>Tuesday</p> <ul style="list-style-type: none">• Whole x Decimal• Practice #1• 3-digit by 1-digit• Practice #2• LG 1.3 #1-2, p. 12 <p>Wednesday</p> <ul style="list-style-type: none">• 3-digit by 2-digit• Practice #3• Leading Zeros• Distribution• LG #3, p. 12	<p>Thursday</p> <ul style="list-style-type: none">• Division with Decimals• Long Division 1• Equivalentents• LG #5-6, p. 13 <p>Friday</p> <ul style="list-style-type: none">• Long Division 2• Practice #4• Practice #5• Long Division 3• Decimal Word Problems• LG #7 p. 14, and #4 p. 13
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1.4 MULTIPLYING AND DIVIDING DECIMALS

1. Draw a decimal in the proper place in each answer. *Reminder: Count the number of digits after the decimals in the question, then place the decimal in the answer so that there are the same number of digits after it.*

Ex.
$$\begin{array}{r} 2.89 \\ \times 3 \\ \hline 8.67 \end{array}$$

c.
$$\begin{array}{r} 84.3 \\ \times 2 \\ \hline 1686 \end{array}$$

f.
$$\begin{array}{r} 5.314 \\ \times 0.9 \\ \hline 47826 \end{array}$$

a.
$$\begin{array}{r} 1.36 \\ \times 5 \\ \hline 680 \end{array}$$

d.
$$\begin{array}{r} 9.547 \\ \times 0.3 \\ \hline 28641 \end{array}$$

g.
$$\begin{array}{r} 144 \\ \times 0.295 \\ \hline 42480 \end{array}$$

b.
$$\begin{array}{r} 6.49 \\ \times 13 \\ \hline 8437 \end{array}$$

e.
$$\begin{array}{r} 7.65 \\ \times 2.58 \\ \hline 197370 \end{array}$$

h.
$$\begin{array}{r} 614.1 \\ \times 337.4 \\ \hline 20719734 \end{array}$$

2. Multiply.

a.
$$\begin{array}{r} 4.12 \\ \times 6 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 75.4 \\ \times 2 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 16.702 \\ \times 5 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 3.81 \\ \times 3 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 5.1198 \\ \times 6 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 224.3 \\ \times 8 \\ \hline \end{array}$$

3. Multiply. *Reminder: You may need to add leading zeros to your answer in order to have the correct number of digits after the decimal.*

a.
$$\begin{array}{r} 2.15 \\ \times 0.4 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 1.167 \\ \times 0.05 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 0.262 \\ \times 0.03 \\ \hline \end{array}$$

4. Solve each problem.
- Sunglasses are on sale for \$14.29. Kim wants to buy three pairs. How much will it cost before taxes are added?
 - José has 5 bottles of juice. Each bottle contains 0.541L of juice. How much does he have in total?
 - Ruki is almost out of storage space on her phone. She wants to add 400 more songs onto her phone. If each song takes up an average of 0.004 gigabytes of storage space, how many gigabytes will those songs use up?
5. Label the division below with the terms quotient, dividend, and divisor.

$$\begin{array}{r}
 \mathbf{15.1} \\
 \mathbf{4} \overline{)60.4}
 \end{array}
 \begin{array}{l}
 \mathbf{b.} \\
 \hline
 \\
 \mathbf{c.} \\
 \hline
 \end{array}$$

6. Draw a decimal in the proper place in each answer. *Reminder: When dividing with a decimal, place the decimal of the quotient directly above the decimal in the dividend. You may need to add leading zeros in the quotient.*

Ex. $\begin{array}{r} 12.36 \\ 4 \overline{)49.44} \end{array}$

b. $\begin{array}{r} 2879 \\ 6 \overline{)17.274} \end{array}$

a. $\begin{array}{r} 157 \\ 9 \overline{)141.3} \end{array}$

c. $\begin{array}{r} 9011 \\ 5 \overline{)0.45055} \end{array}$

7. Divide. Reminder: When necessary, change the format of the question into long division before dividing.

Ex. $6 \overline{)14.4}$

$$\begin{array}{r} 2.4 \\ 6 \overline{)14.4} \\ \underline{-12} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

b. $5 \overline{)174.5}$

a. $3 \overline{)82.5}$

c. $380.4 \div 6$