

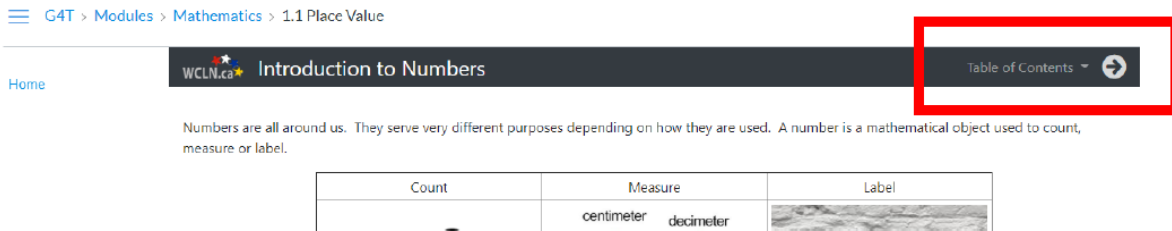
Grade 5 Mathematics  
Week of October 19 – October 22

**Lesson 1.4: Dividing**

**Lesson Materials**

- Lessons for Section [1.4 Dividing](#)
- Dividing Learning Guide (This PDF)

Use the link above to open the lessons for Section 1.4 Dividing. 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 for Section 1.4 Dividing. 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><b>Monday</b></p> <ul style="list-style-type: none"><li>• Fact Families</li><li>• Find the Third</li><li>• Division Terms</li><li>• Which is Which?</li><li>• Division Forms</li><li>• LG 1.4 #1-5, p. 12-13</li></ul> <p><b>Tuesday</b></p> <ul style="list-style-type: none"><li>• Remainders</li><li>• Remainders?</li><li>• Remainder Examples</li><li>• LG 1.4 #6-9, p. 13-14</li></ul>	<p><b>Wednesday</b></p> <ul style="list-style-type: none"><li>• Long Division 1</li><li>• Dividing</li><li>• Long Division 2</li><li>• Long Division 3</li><li>• LG #10-11, p. 15</li></ul> <p><b>Thursday</b></p> <ul style="list-style-type: none"><li>• Long Division 4</li><li>• Division with Zero</li><li>• Practice</li><li>• LG #12-14, p. 15-16</li></ul>
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1.4 DIVIDING
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1. Fill in the blanks to complete the following fact families.

a.

$3 \times \underline{\quad} = 12$
$\underline{\quad} \div 3 = 4$
$4 \times \underline{\quad} = 12$
$12 \div \underline{\quad} = 3$

c.

$6 \times 7 = \underline{\quad}$
$42 \div 6 = \underline{\quad}$
$7 \times \underline{\quad} = 42$
$42 \div \underline{\quad} = 6$

b.

$4 \times \underline{\quad} = 36$
$36 \div 9 = \underline{\quad}$
$9 \times \underline{\quad} = 36$
$\underline{\quad} \div 4 = 9$

d.

$5 \times \underline{\quad} = 40$
$40 \div 8 = \underline{\quad}$
$8 \times 5 = \underline{\quad}$
$40 \div \underline{\quad} = 8$

2. What are the possible third numbers to make a complete fact family? *Hint: There may be more than one answer for each question. Find as many possible third numbers as you can.*

a. 20, 5


c. 4, 11

b. 2, 12

d. 9, 3

3. Write out the fact family for the following diagrams. *Hint: You will be writing 4 different equations for each diagram.*

a. 

b. 

4. Circle the named part of the division for each example.

	Find the...	
Ex.	DIVISOR	$15 \div \textcircled{3} = 5$ $\frac{15}{\textcircled{3}} = 5$ $\textcircled{3} \overline{)15}^5$
a.	DIVIDEND	$63 \div 7 = 9$ $\frac{63}{7} = 9$ $7 \overline{)63}^9$
b.	QUOTIENT	$4 \overline{)24}^6$ $24 \div 4 = 6$ $\frac{24}{4} = 6$
c.	DIVISOR	$\frac{32}{8} = 4$ $8 \overline{)32}^4$ $32 \div 8 = 4$

5. Write the following divisions in three different ways.

a. Sixteen divided by eight equals two.

b. Fifty divided by ten equals five.

6. Calculate the quotient.

Ex.  $18 \div 3$   
**6**

b.  $5 \overline{)30}$

d.  $\frac{35}{7}$

f.  $\frac{15}{5}$

a.  $14 \div 7$

c.  $\frac{24}{4}$

e.  $36 \div 9$

g.  $8 \overline{)32}$

7. Determine how many times the divisor will go into the dividend. There will be remainders, but you do not need to determine them for this question. Reminder: Use your multiplication facts.

Ex.  $39 \div 7$      $7 \times 5 = 35$   
                           $7 \times 6 = 42$

b.  $\frac{29}{5}$

**7 goes into 39 5 times.**

a.  $17 \div 3$

c.  $51 \div 6$

d.  $\frac{22}{3}$

e.  $80 \div 9$

8. Rewrite each quotient by using a fraction to show the remainder. *Reminder: The remainder is put over the divisor to form a fraction.*

Ex.  $\frac{33}{4} = 8, R1$   $8\frac{1}{4}$

b.  $\frac{47}{6} = 7, R5$

d.  $\frac{29}{5} = 5, R4$

a.  $\frac{17}{5} = 3, R2$

c.  $\frac{19}{2} = 9, R1$

e.  $\frac{99}{10} = 9, R9$

9. Follow the steps in order to find the quotient.

Division Question	Step 1	Step 2	Step 3
	Determine the number of times the <i>divisor</i> can go into the <i>dividend</i> .	Determine the remainder.	Write the full answer in 2 ways.
Ex. $\frac{20}{3}$	$3 \times 6 = 18$ $3 \times 7 = 21$ (too big) 3 goes in to 20 <u>6</u> times	$20 - 18 = 2$ $R = 2$	$6 R2$ $6\frac{2}{3}$
a. $\frac{13}{2}$			
b. $\frac{22}{5}$			
c. $\frac{33}{7}$			
d. $19 \div 8$			

10. Solve the following using long division. Reminder: First, rewrite the division into the long division format, then solve. Hint: There are no remainders in this set of questions.

Ex.  $96 \div 4$

b.  $94 \div 2$

d.  $85 \div 5$

$$\begin{array}{r} 24 \\ 4 \overline{)96} \\ \underline{8} \phantom{0} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

a.  $72 \div 3$

c.  $87 \div 3$

e.  $84 \div 6$

11. Solve the following using long division. Hint: Each question in this set has a remainder.

a.  $67 \div 2$

b.  $95 \div 8$

c.  $85 \div 6$

12. Solve the following using long division. Reminder: Keep your place values lined up as you solve.

a.  $162 \div 9$

b.  $135 \div 5$

c.  $168 \div 6$

13. OPTIONAL BONUS CHALLENGE: Solve the following using long division.

a.  $315 \div 15$

b.  $386 \div 11$

c.  $456 \div 25$

14. Answer the following problems.

a.  $0 \div 500$

b.  $3 \div 0$

c.  $42.5 \div 0$