

Grade 4 Mathematics
Week of December 14 – December 18

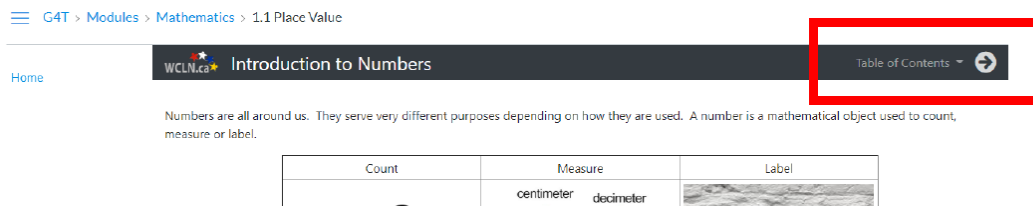
Lesson 3.3: More Tables

Lesson 3.4: Multiple Digit Multiplication

Lesson Materials

- Lessons for Section [3.3 More Tables](#)
- Lessons for Section [3.4 Multiple Digit Multiplication](#)
- Multiplication Learning Guide (This PDF)

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.



Work through the online lessons for this section. 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">• More Times Table Patterns• Multiplying by Multiples of 10• Games for Fact Practice• LG 3.3 #1-3, p. 5• Try one of the Games for Fact Practice <p>Tuesday</p> <ul style="list-style-type: none">• Balloon Multiplication• Picturing Multiplication 1-digit x 2-digits• LG 3.3 #4, p. 5• Try another Game for Fact Practice <p>Wednesday</p> <ul style="list-style-type: none">• 3.4 – Distributive Property 1• Distributive Property 2• 2-digit x 1-digit – No Carrying• 2-digit x 1-digit – With Carrying• LG 3.4 #1-4, p. 6-8	<p>Thursday</p> <ul style="list-style-type: none">• Multiplying by Multiples of 100• Picturing Multiplication 3-digits x 1-digit• Distributive Property 3• LG 3.4 #5-8, p. 9-10 <p>Friday</p> <ul style="list-style-type: none">• 3-digit x 1-digit• Practice 3-digits x 1-digit• Multiplication Problems• LG 3.4 #9-10, p. 11-12
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3.3 MORE TABLES

1. Multiply the following (10x)

a) $10 \times 4 =$ b) $10 \times 9 =$ c) $10 \times 11 =$ d) $10 \times 10 =$

e) $6 \times 10 =$ f) $4 \times 10 =$ g) $10 \times 8 =$ h) $10 \times 7 =$

2. a) $3 \times 4 =$ _____ so $30 \times 4 =$ _____

b) $5 \times 9 =$ _____ so $50 \times 9 =$ _____

c) $6 \times 7 =$ _____ so $6 \times 70 =$ _____

d) $8 \times 7 =$ _____ so $80 \times 7 =$ _____

3. Use the strategy from above to solve:

a) $40 \times 3 =$ _____

b) $50 \times 6 =$ _____

c) $70 \times 8 =$ _____

d) $9 \times 30 =$ _____

Questions 2 – 3 adapted from <https://www.tes.com>

4. Solve the following problems using the area model

<p>Example: $4 \times 21 = 84$</p> <p style="text-align: center; color: red;">20 1</p> <div style="display: flex; align-items: center;"> 4 <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50px; height: 30px; color: red;">80</td> <td style="width: 50px; height: 30px; color: red;">4</td> </tr> </table> </div>	80	4	<p>a) $7 \times 32 =$</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 50%; height: 40px;"></td> <td style="width: 50%; height: 40px;"></td> </tr> </table> </div>			<p>b) 5×34</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 50%; height: 40px;"></td> <td style="width: 50%; height: 40px;"></td> </tr> </table> </div>		
80	4							
<p>c) $3 \times 61 =$</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 50%; height: 40px;"></td> <td style="width: 50%; height: 40px;"></td> </tr> </table> </div>			<p>d) $6 \times 46 =$</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 50%; height: 40px;"></td> <td style="width: 50%; height: 40px;"></td> </tr> </table> </div>			<p>e) $9 \times 52 =$</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 50%; height: 40px;"></td> <td style="width: 50%; height: 40px;"></td> </tr> </table> </div>		

3.4 MULTIPLE DIGIT MULTIPLICATION

1. Use the distributive principle to solve these questions.

<p>Example: $4 \times 85 = 340$</p> $\begin{array}{r} \boxed{4} \times \boxed{80} \\ \downarrow \\ \boxed{320} \end{array} + \begin{array}{r} \boxed{4} \times \boxed{5} \\ \downarrow \\ \boxed{20} \end{array} = \boxed{340}$	<p>a) $5 \times 62 =$</p> $\begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} + \begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} = \square$
<p>b) $7 \times 24 =$</p> $\begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} + \begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} = \square$	<p>c) $3 \times 82 =$</p> $\begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} + \begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} = \square$
<p>d) $8 \times 43 =$</p> $\begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} + \begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} = \square$	<p>e) $9 \times 37 =$</p> $\begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} + \begin{array}{r} \square \times \square \\ \downarrow \\ \square \end{array} = \square$

2. Calculate the following:

a) $\begin{array}{r} 32 \\ \times 3 \\ \hline \end{array}$

b) $\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$

c) $\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$

d) $\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$

e) $\begin{array}{r} 21 \\ \times 2 \\ \hline \end{array}$

f) $\begin{array}{r} 14 \\ \times 2 \\ \hline \end{array}$

g) $\begin{array}{r} 22 \\ \times 4 \\ \hline \end{array}$

h) $\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$

i) $\begin{array}{r} 64 \\ \times 1 \\ \hline \end{array}$

j) $\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$

k) $\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$

l) $\begin{array}{r} 31 \\ \times 2 \\ \hline \end{array}$

m) $\begin{array}{r} 21 \\ \times 4 \\ \hline \end{array}$

n) $\begin{array}{r} 32 \\ \times 2 \\ \hline \end{array}$

o) $\begin{array}{r} 21 \\ \times 3 \\ \hline \end{array}$

p) 23
 $\underline{\times 2}$

q) 10
 $\underline{\times 5}$

r) 30
 $\underline{\times 3}$

s) 40
 $\underline{\times 2}$

t) 22
 $\underline{\times 2}$

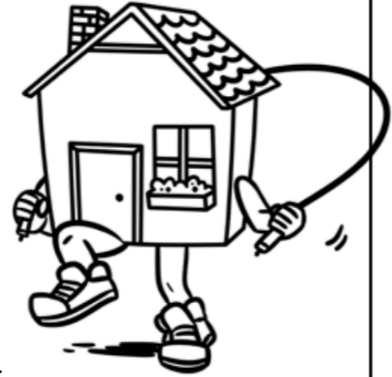
3. Calculate the following:

<p>a.</p> $\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$	<p>b.</p> $\begin{array}{r} 37 \\ \times 9 \\ \hline \end{array}$	<p>c.</p> $\begin{array}{r} 20 \\ \times 8 \\ \hline \end{array}$	<p>d.</p> $\begin{array}{r} 58 \\ \times 7 \\ \hline \end{array}$
<p>e.</p> $\begin{array}{r} 65 \\ \times 8 \\ \hline \end{array}$	<p>f.</p> $\begin{array}{r} 32 \\ \times 5 \\ \hline \end{array}$	<p>g.</p> $\begin{array}{r} 99 \\ \times 4 \\ \hline \end{array}$	<p>h.</p> $\begin{array}{r} 87 \\ \times 3 \\ \hline \end{array}$
<p>i.</p> $\begin{array}{r} 42 \\ \times 7 \\ \hline \end{array}$	<p>j.</p> $\begin{array}{r} 38 \\ \times 4 \\ \hline \end{array}$	<p>k.</p> $\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$	<p>l.</p> $\begin{array}{r} 39 \\ \times 6 \\ \hline \end{array}$
<p>m.</p> $\begin{array}{r} 89 \\ \times 7 \\ \hline \end{array}$	<p>n.</p> $\begin{array}{r} 74 \\ \times 3 \\ \hline \end{array}$	<p>o.</p> $\begin{array}{r} 62 \\ \times 7 \\ \hline \end{array}$	

4.

The Animal that Jumps Higher Than a House

Find the products. Then, solve the riddle by matching the letters to the blank lines below.



E 25	M 32	I 51	A 76
$\times 2$	$\times 7$	$\times 8$	$\times 4$

S 88	C 19	A 27	H 31	L 91
$\times 4$	$\times 5$	$\times 5$	$\times 9$	$\times 7$

U 33	N 78	A 16	O 40	A 93	M 54	C 87
$\times 8$	$\times 3$	$\times 2$	$\times 5$	$\times 9$	$\times 2$	$\times 9$

N 65	T 22	N 43	S 87	U 56	J 43	Y 65
$\times 3$	$\times 4$	$\times 6$	$\times 8$	$\times 8$	$\times 9$	$\times 5$

P 33	U 27	S 37	E 50	E 45	A 24	B 15
$\times 6$	$\times 9$	$\times 3$	$\times 5$	$\times 6$	$\times 7$	$\times 6$

What animal can jump higher than a house?

$\overline{135}$	$\overline{195}$	$\overline{325}$	$\overline{304}$	$\overline{234}$	$\overline{408}$	$\overline{108}$	$\overline{837}$	$\overline{637}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\overline{90}$	$\overline{50}$	$\overline{95}$	$\overline{32}$	$\overline{448}$	$\overline{111}$	$\overline{250}$
-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------

$\overline{279}$	$\overline{200}$	$\overline{243}$	$\overline{696}$	$\overline{270}$	$\overline{352}$	$\overline{783}$	$\overline{168}$	$\overline{258}$	$\overline{88}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	------------------	-----------------

$\overline{387}$	$\overline{264}$	$\overline{224}$	$\overline{198}$
------------------	------------------	------------------	------------------

5. a) $3 \times 4 = \underline{\quad}$ so $30 \times 4 = \underline{\quad}$
 b) $5 \times 9 = \underline{\quad}$ so $500 \times 9 = \underline{\quad}$
 c) $6 \times 7 = \underline{\quad}$ so $6 \times 700 = \underline{\quad}$
 d) $8 \times 7 = \underline{\quad}$ so $80 \times 7 = \underline{\quad}$

6. Use the strategy from above to solve:

- | | |
|--|--|
| a) $40 \times 3 = \underline{\quad}$ | b) $500 \times 6 = \underline{\quad}$ |
| c) $70 \times 8 = \underline{\quad}$ | d) $9 \times 300 = \underline{\quad}$ |
| e) $40 \times 3 = \underline{\quad}$ | f) $500 \times 6 = \underline{\quad}$ |
| g) $9000 \times 7 = \underline{\quad}$ | h) $70 \times 8 = \underline{\quad}$ |
| i) $9 \times 300 = \underline{\quad}$ | j) $4000 \times 7 = \underline{\quad}$ |

Questions 5 – 6 adapted from <https://www.tes.com>

7. Solve the following problems using the area model

<p>Example: $4 \times 218 = 848$</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td></td> <td style="text-align: center;">200</td> <td style="text-align: center;">10</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">800</td> <td style="text-align: center;">40</td> <td style="text-align: center;">8</td> </tr> </table> <table style="display: inline-table; vertical-align: middle; margin-left: 10px;"> <tr> <td style="text-align: right;">800</td> <td></td> </tr> <tr> <td style="text-align: right;">40</td> <td></td> </tr> <tr> <td style="text-align: right;">+ 8</td> <td></td> </tr> <tr> <td style="text-align: right; border-top: 1px solid black;">848</td> <td></td> </tr> </table>		200	10	8	4	800	40	8	800		40		+ 8		848		<p>a) $7 \times 132 =$</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>			
	200	10	8																	
4	800	40	8																	
800																				
40																				
+ 8																				
848																				
<p>b) 5×334</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>				<p>c) $3 \times 261 =$</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>																
<p>d) $6 \times 146 =$</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>				<p>e) $9 \times 552 =$</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>																

8. Use the distributive principle to solve these questions.

Example: $4 \times 285 = 340$

$$\begin{array}{c}
 \boxed{4} \times \boxed{200} + \boxed{4} \times \boxed{80} + \boxed{4} \times \boxed{5} \\
 \downarrow \quad \quad \downarrow \quad \quad \downarrow \\
 \boxed{800} + \boxed{320} + \boxed{20} = \boxed{1140}
 \end{array}$$

a) $7 \times 324 =$

$$\begin{array}{c}
 \square \times \square + \square \times \square + \square \times \square \\
 \downarrow \quad \quad \downarrow \quad \quad \downarrow \\
 \square + \square + \square = \square
 \end{array}$$

b) $8 \times 543 =$

$$\begin{array}{c}
 \square \times \square + \square \times \square + \square \times \square \\
 \downarrow \quad \quad \downarrow \quad \quad \downarrow \\
 \square + \square + \square = \square
 \end{array}$$

c) $6 \times 162 =$

$$\begin{array}{c}
 \square \times \square + \square \times \square + \square \times \square \\
 \downarrow \quad \quad \downarrow \quad \quad \downarrow \\
 \square + \square + \square = \square
 \end{array}$$

d) $3 \times 582 =$

$$\begin{array}{c}
 \square \times \square + \square \times \square + \square \times \square \\
 \downarrow \quad \quad \downarrow \quad \quad \downarrow \\
 \square + \square + \square = \square
 \end{array}$$

9. Find the product:

$$\begin{array}{r} \text{a) } 542 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 836 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 978 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 650 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 264 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 791 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 378 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 895 \\ \times 7 \\ \hline \end{array}$$

10.

The Invisible Man Goes to the Doctor

Find the products. Then, solve the riddle by matching the letters to the blank lines below.

$$\text{O } \begin{array}{r} 134 \\ \times 5 \\ \hline \end{array}$$

$$\text{O } \begin{array}{r} 223 \\ \times 6 \\ \hline \end{array}$$

$$\text{I } \begin{array}{r} 413 \\ \times 8 \\ \hline \end{array}$$

$$\text{G } \begin{array}{r} 976 \\ \times 9 \\ \hline \end{array}$$

$$\text{S } \begin{array}{r} 908 \\ \times 2 \\ \hline \end{array}$$

$$\text{T } \begin{array}{r} 232 \\ \times 5 \\ \hline \end{array}$$

$$\text{R } \begin{array}{r} 144 \\ \times 7 \\ \hline \end{array}$$

$$\text{E } \begin{array}{r} 622 \\ \times 8 \\ \hline \end{array}$$

$$\text{N } \begin{array}{r} 567 \\ \times 3 \\ \hline \end{array}$$

$$\text{S } \begin{array}{r} 400 \\ \times 4 \\ \hline \end{array}$$

$$\text{E } \begin{array}{r} 167 \\ \times 3 \\ \hline \end{array}$$

$$\text{R } \begin{array}{r} 444 \\ \times 4 \\ \hline \end{array}$$

$$\text{N } \begin{array}{r} 128 \\ \times 4 \\ \hline \end{array}$$

$$\text{I } \begin{array}{r} 349 \\ \times 8 \\ \hline \end{array}$$

$$\text{W } \begin{array}{r} 987 \\ \times 0 \\ \hline \end{array}$$

$$\text{Y } \begin{array}{r} 987 \\ \times 1 \\ \hline \end{array}$$

$$\text{R } \begin{array}{r} 500 \\ \times 7 \\ \hline \end{array}$$

$$\text{A } \begin{array}{r} 756 \\ \times 9 \\ \hline \end{array}$$

$$\text{T } \begin{array}{r} 287 \\ \times 4 \\ \hline \end{array}$$

$$\text{H } \begin{array}{r} 107 \\ \times 7 \\ \hline \end{array}$$

$$\text{Y } \begin{array}{r} 128 \\ \times 2 \\ \hline \end{array}$$

$$\text{O } \begin{array}{r} 510 \\ \times 6 \\ \hline \end{array}$$

$$\text{U } \begin{array}{r} 546 \\ \times 2 \\ \hline \end{array}$$

$$\text{C } \begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$



What did the doctor say to the invisible man?

$\overline{1816}$ $\overline{1338}$ $\overline{1008}$ $\overline{1776}$ $\overline{987}$ $\overline{2792}$
,
 $\overline{1800}$ $\overline{6804}$ $\overline{512}$ $\overline{1160}$ $\overline{1600}$ $\overline{501}$ $\overline{4976}$ $\overline{256}$ $\overline{3060}$ $\overline{1092}$
 $\overline{3500}$ $\overline{3304}$ $\overline{8784}$ $\overline{749}$ $\overline{1148}$ $\overline{1701}$ $\overline{670}$ $\overline{0}$