DAYS 4 & 5 : N8 MULTIPLYING A DECIMAL BY A WHOLE NUMBER

Rewatch this video to become familiar with the strategies that can be used

.

Video: Mr. Hardy

https://youtu.be/Ru5oV4MsCgA

Practice - In your scribbler, complete questions 1 (b and d), 4 (a, b and d) and 8 on page 97.

Pratiquer - Dans ton cahier, compléter les questions 1 (b et d), 4 (a, b, d) et 8 à la page 97.

Worksheet – Mulitplying Decimals by a Whole Number (Student Practice and Homework Book pgs. 36 and 37)

Feuille de travail – Multiplier des nombres décimaux par un nombre naturel (Student Practice and Homework Book pgs. 36-37)

UNIT 3

STUDENT BOOK 3 LESSON

Multiplying Decimals by a Whole Number

Quick Review

You can use what you know about multiplying whole numbers to multiply a decimal by a whole number.

Multiply: 2.936×4

- First estimate.
  Since 2.936 is closer to 3 than to 2, write 2.936 as 3.
  Multiply: $3 \times 4 = 12$
  So, 2.936×4 is about 12.
- Record the numbers without the decimal point.
  Multiply as you would with whole numbers.
- Use the estimate to place the decimal point in the product.
  11.744 is close to 12, so 2.936×4 is 11.744.

$$\begin{array}{r} 2936 \\ \times \quad 4 \\ \hline 24 \\ 120 \\ 3600 \\ 8000 \\ \hline 11.744 \end{array}$$

Try These

Multiply.

1. **a)** 5.18×5 **b)** 1.734×8 **c)** 0.143×4 **d)** 9.431×2

Practice

1. Use paper and pencil to find each product.

Record the products on the lines.

Then use the letters next to the products to solve this riddle.

Why did the jellybean go to school?

$0.396 \times 5 =$ _____ (S)	$1.637 \times 3 =$ _____ (A)
$0.148 \times 5 =$ _____ (O)	$1.004 \times 7 =$ _____ (T)
$0.176 \times 4 =$ _____ (B)	$8.145 \times 6 =$ _____ (C)
$2.534 \times 2 =$ _____ (D)	$0.941 \times 9 =$ _____ (W)
$1.935 \times 4 =$ _____ (M)	$2.123 \times 4 =$ _____ (N)
$0.132 \times 2 =$ _____ (E)	$4.113 \times 2 =$ _____ (R)
$3.005 \times 3 =$ _____ (I)	$1.254 \times 3 =$ _____ (U)
$0.524 \times 6 =$ _____ (H)	

0.704	0.264	48.87	4.911	3.762	1.98	0.264	1.98	3.144	0.264

8.469	4.911	8.492	7.028	0.264	5.068	7.028	0.74	0.704	0.264		

4.911	1.98	7.74	4.911	8.226	7.028	9.015	0.264	

Stretch Your Thinking

What whole number would you multiply 6.374 by to get the product 25.496? _____

Let’s watch and discuss together
https://youtu.be/GfL0s6tCNV4

Regardons et discutons ensemble
https://youtu.be/GfL0s6tCNV4

Let's Do Math worksheet

Decimals

Name: _____

Date: _____

1. Multiply by 10, 100 & 1000 B

When we multiply by 100,
our number becomes 100 times greater
Move the decimal point to the RIGHT

Multiply by 10

1. 27 x 10 =
2. 43.1 x 10 =
3. 75.6 x 10 =
4. 96.8 x 10 =
5. 573.2 x 10 =
6. 8.05 x 10 =
7. 3.01 x 10 =
8. 14.37 x 10 =
9. 36.29 x 10 =
10. 93.47 x 10 =
11. 0.83 x 10 =
12. 0.52 x 10 =
13. 0.98 x 10 =
14. 0.275 x 10 =
15. 0.324 x 10 =

Multiply by 100

16. 14 x 100 =
17. 5.02 x 100 =
18. 4.91 x 100 =
19. 72.63 x 100 =
20. 23.54 x 100 =
21. 0.02 x 100 =
22. 0.78 x 100 =
23. 0.971 x 100 =
24. 0.875 x 100 =
25. 0.9934 x 100 =
26. 4.2 x 100 =
27. 16.5 x 100 =
28. 58.3 x 100 =
29. 71.9 x 100 =
30. 27.8 x 100 =

Multiply by 1000

31. 1.082 x 1000 =
32. 23.015 x 1000 =
33. 0.1083 x 1000 =
34. 0.2004 x 1000 =
35. 0.035 x 1000 =
36. 12.75 x 1000 =
37. 23.82 x 1000 =
38. 502.6 x 1000 =
39. 98.4 x 1000 =
40. 57.6 x 1000 =