Name: Loz   **Date:** 3-10→2021

Lesson 9.2   Multiplying by Tens, Hundreds, or Thousands

Multiply.

1. $4.85 \times 10 =$ ___48.5___

2. $0.375 \times 10 =$ ___3.75___

3. $4.928 \times 100 =$ ___492.8___

4. $0.23 \times 1{,}000 =$ ___230___

Complete.

5. $7.45 \times$ ___10___ $= 74.5$

6. ___66.22___ $\times 10 = 662.2$

7. $0.809 \times$ ___100___ $= 80.9$

8. ___4.03___ $\times 100 = 403$

9. $5.7 \times$ ___1,000___ $= 5{,}700$

10. ___0.108___ $\times 1{,}000 = 108$

Complete.

11. $513 = 51.3 \times$ ___10___

   $513 = 5.13 \times$ ___100___

   $513 = 0.513 \times$ ___1,000___

12. $4{,}016 =$ ___401.6___ $\times 10$

   $4{,}016 =$ ___40.16___ $\times 100$

   $4{,}016 =$ ___4.016___ $\times 1{,}000$

Complete.

13. $0.954 \times 60 = (0.954 \times$ ___6___ $) \times 10$

   $=$ ___5.724___ $\times 10$

   $=$ ___57.24___

14. $0.376 \times 800 = (0.376 \times$ ___8___ $) \times 100$

   $=$ ___3.008___ $\times 100$

   $=$ ___300.8___

(work shown at right)

$$5.\overset{3}{\underset{}{2}}\ \ 0.954$$
$$\times \quad 6$$
$$\overline{5.724}$$

$$\overset{3\ 6\ 4}{0.376}$$
$$\times \quad 8$$
$$\overline{3008}$$

> **Example**
>
> $0.685 \times 10 = 6.85$
>
> $0.685 \times 10^2 = 68.5$
>
> $0.685 \times 10^3 = 685$

Multiply.

21. $7.309 \times 10^2 = $ _730.900_

22. $0.065 \times 10^2 = $ _6.5_

23. $0.485 \times 10^3 = $ _485_

24. $2.005 \times 10^3 = $ _2005.000_

Complete. Write 10, 10^2, or 10^3.

25. $0.085 \times$ _10^3_ $= 85$

26. $9.08 \times$ _10^2_ $= 908$

27. $0.5 \times$ _10^3_ $= 500$

28. $0.07 \times$ _10^3_ $= 70$

Complete. Write 10, 10^2, or 10^3.

29. $91 = 9.1 \times$ _10_

    $91 = 0.91 \times$ _10^2_

    $91 = 0.091 \times$ _10^3_

30. $482 = 48.2 \times$ _10_

    $482 = 4.82 \times$ _10^2_

    $482 = 0.482 \times$ _10^3_

31. $915 = 0.915 \times$ _10^3_

    $915 = 91.5 \times$ _10_

    $915 = 9.15 \times$ _10^2_

32. $48.2 = 0.0482 \times$ _10^3_

    $48.2 = 0.482 \times$ _10^2_

    $48.2 = 4.82 \times$ _10_