

Decimal Multiplication with Equivalent Fractions

Date _____ Period _____

For each problem, decimals have been converted to equivalent fractions for you. Complete the work to find the product in decimal form.

1) 0.01×8

$$\frac{1}{100} \times 8 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

2) 0.01×68

$$\frac{1}{100} \times 68 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

3) 35×0.01

$$35 \times \frac{1}{100} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

4) 0.01×88

$$\frac{1}{100} \times 88 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

5) 0.1×277

$$\frac{1}{10} \times 277 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

6) 0.1×368

$$\frac{1}{10} \times 368 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

7) 0.001×855

$$\frac{1}{1,000} \times 855 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

8) 85×0.001

$$85 \times \frac{1}{1,000} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

9) 46×0.01

$$46 \times \frac{1}{100} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

10) 0.001×825

$$\frac{1}{1,000} \times 825 = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

11) 0.2×0.01

$$\frac{2}{10} \times \frac{1}{100} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

12) 99×0.001

$$99 \times \frac{1}{1,000} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Find each product in decimal form.

13) 0.01×3

14) 33×0.01

15) 47×0.01

16) 0.01×2

17) 0.01×528

18) 0.01×8

19) 458×0.1

20) 0.01×815

21) 0.1×21

22) 0.01×46

23) 0.01×2

24) 964×0.1

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For each problem, decimals have been converted to equivalent fractions for you. Complete the work to find the product in decimal form.

1) 0.01×8

$$\frac{1}{100} \times 8 = \frac{\boxed{8}}{\boxed{100}} = \boxed{0.08}$$

0.08

2) 0.01×68

$$\frac{1}{100} \times 68 = \frac{\boxed{68}}{\boxed{100}} = \boxed{0.68}$$

0.68

3) 35×0.01

$$35 \times \frac{1}{100} = \frac{\boxed{35}}{\boxed{100}} = \boxed{0.35}$$

0.35

4) 0.01×88

$$\frac{1}{100} \times 88 = \frac{\boxed{88}}{\boxed{100}} = \boxed{0.88}$$

0.88

5) 0.1×277

$$\frac{1}{10} \times 277 = \frac{\boxed{277}}{\boxed{10}} = \boxed{27.7}$$

27.7

6) 0.1×368

$$\frac{1}{10} \times 368 = \frac{\boxed{368}}{\boxed{10}} = \boxed{36.8}$$

36.8

7) 0.001×855

$$\frac{1}{1,000} \times 855 = \frac{\boxed{855}}{\boxed{1000}} = \boxed{0.855}$$

0.855

8) 85×0.001

$$85 \times \frac{1}{1,000} = \frac{\boxed{85}}{\boxed{1000}} = \boxed{0.085}$$

0.085

9) 46×0.01

$$46 \times \frac{1}{100} = \frac{\boxed{46}}{\boxed{100}} = \boxed{0.46}$$

0.46

10) 0.001×825

$$\frac{1}{1,000} \times 825 = \frac{\boxed{825}}{\boxed{1000}} = \boxed{0.825}$$

0.825

11) 0.2×0.01

$$\frac{2}{10} \times \frac{1}{100} = \frac{\boxed{2}}{\boxed{1000}} = \boxed{0.002}$$

0.002

12) 99×0.001

$$99 \times \frac{1}{1,000} = \frac{\boxed{99}}{\boxed{1000}} = \boxed{0.099}$$

0.099

Find each product in decimal form.

13) 0.01×3

$$\frac{1}{100} \times 3 = \frac{3}{100} = 0.03$$

0.03

14) 33×0.01

$$33 \times \frac{1}{100} = \frac{33}{100} = 0.33$$

0.33

15) 47×0.01

$$47 \times \frac{1}{100} = \frac{47}{100} = 0.47$$

0.47

16) 0.01×2

$$\frac{1}{100} \times 2 = \frac{2}{100} = 0.02$$

0.02

17) 0.01×528

$$\frac{1}{100} \times 528 = \frac{528}{100} = 5.28$$

5.28

18) 0.01×8

$$\frac{1}{100} \times 8 = \frac{8}{100} = 0.08$$

0.08

19) 458×0.1

$$458 \times \frac{1}{10} = \frac{458}{10} = 45.8$$

45.8

20) 0.01×815

$$\frac{1}{100} \times 815 = \frac{815}{100} = 8.15$$

8.15

21) 0.1×21

$$\frac{1}{10} \times 21 = \frac{21}{10} = 2.1$$

2.1

22) 0.01×46

$$\frac{1}{100} \times 46 = \frac{46}{100} = 0.46$$

0.46

23) 0.01×2

$$\frac{1}{100} \times 2 = \frac{2}{100} = 0.02$$

0.02

24) 964×0.1

$$964 \times \frac{1}{10} = \frac{964}{10} = 96.4$$

96.4