

- 3

40
43

Wednesday

Name: L02

Date: 2-24-2021

CHAPTER
8

Decimals

Lesson 8.1 Understanding Thousandths

Write the decimal shown in each place-value chart.

1.

Ones	Tenths	Hundredths	Thousandths
00		0000	0000 0

2.045

2.

Ones	Tenths	Hundredths	Thousandths
0000 00	000		0000 0000

6.308

3.

Ones	Tenths	Hundredths	Thousandths
	0	0000 000	0000 0

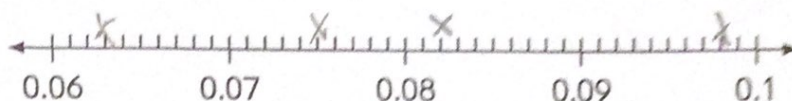
0.175

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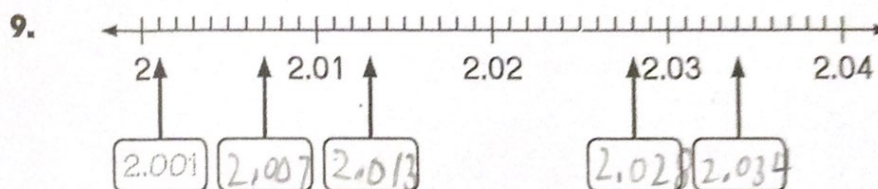
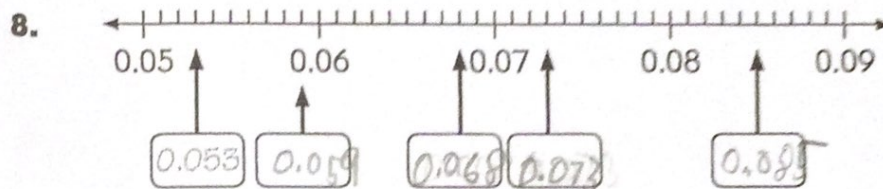
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Mark an X to show where each decimal is located.

4. 0.063 5. 0.075 6. 0.082 7. 0.098



Write the decimal shown by each arrow.



Complete.

10. 6 hundredths = 60 thousandths
11. 2 tenths 12 thousandths = 212 thousandths
12. 580 thousandths = 80 hundredths
13. 703 thousandths = 7 tenths 3 thousandths
14. 0.727 = 7 tenths 2 hundredths 7 thousandths
15. 0.094 = 9 tenths 9 hundredths 4 thousandths

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Write the equivalent decimal.

16. 9 thousandths = 0.009

17. 25 thousandths = 0.025

18. 416 thousandths = 0.416

19. 1,055 thousandths = 1.055

Write each fraction or improper fraction as a decimal.

20. $\frac{5}{1000} =$ 0.005

21. $\frac{78}{1000} =$ 0.078

22. $\frac{110}{1000} =$ 0.110

23. $\frac{603}{1000} =$ 0.603

24. $\frac{2508}{1000} =$ 2.508

25. $\frac{2640}{1000} =$ 2.640

26. $\frac{3009}{1000} =$ 3.009

27. $\frac{4567}{1000} =$ 4.567

Write each mixed number as a decimal.

28. $1\frac{4}{1000} =$ 1.004

29. $3\frac{82}{1000} =$ 3.082

30. $5\frac{606}{1000} =$ 5.606

31. $7\frac{190}{1000} =$ 7.190

Complete.

32. $0.217 =$ 217 thousandths

33. $0.006 =$ 6 thousandths

34. $0.095 =$ 95 thousandths

35. $1.702 =$ 702 thousandths

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2.345 can be written in expanded form as $2 + \frac{3}{10} + \frac{4}{100} + \frac{5}{1000}$.

Write each decimal in expanded notation.

36. $8.764 = \boxed{8} + \boxed{\frac{7}{10}} + \boxed{\frac{6}{100}} + \boxed{\frac{4}{1,000}}$

37. $3.523 = \boxed{3} + \boxed{\frac{5}{10}} + \boxed{\frac{2}{100}} + \boxed{\frac{3}{1,000}}$

8.765 can be written in expanded form as $8 + 0.7 + 0.06 + 0.005$.

Write each decimal in expanded notation.

38. $5.213 = \underline{5} + \underline{0.2} + \underline{0.01} + \underline{0.003}$

39. $1.945 = \underline{1} + \underline{0.9} + \underline{0.04} + \underline{0.005}$

Complete.

In 9.407,

40. the digit 7 is in the thousandths place.

✓ 41. the value of the digit 0 is hundredths.

42. the digit 4 is in the tenths place.

✓ 43. the digit 9 stands for ones.

?