

Mathematics

Decimals

Wednesday

Expressing fractions and mixed numbers as decimals

Let's Learn

- Ex 14** a) Express $\frac{8}{1000}$ as a decimal.

$$\frac{8}{1000} = 0.008$$

8 thousandths



- b) Express $\frac{35}{1000}$ as a decimal.

$$\frac{35}{1000} = 0.035$$

35 thousandths



- c) Express $2\frac{170}{1000}$ as a decimal.

$$2\frac{170}{1000} = 2.17$$

$$\begin{aligned} 2\frac{170}{1000} &= 2 + \frac{170}{1000} \\ &= 2 + 0.170 \\ &= 2.170 \\ &= 2.17 \end{aligned}$$



Let's Do

1. Express each fraction or mixed number as a decimal.

a) $\frac{485}{1000} =$ _____

b) $\frac{64}{1000} =$ _____

c) $\frac{3}{1000} =$ _____

d) $5\frac{476}{1000} =$ _____

e) $2\frac{18}{1000} =$ _____

f) $3\frac{40}{1000} =$ _____

Exercise 14 Thousandths

1. Express each fraction or mixed number as a decimal.

a) $\frac{576}{1000} =$ _____

b) $1\frac{576}{1000} =$ _____

c) $\frac{48}{1000} =$ _____

d) $2\frac{48}{1000} =$ _____

e) $\frac{4}{1000} =$ _____

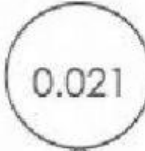
f) $3\frac{4}{1000} =$ _____

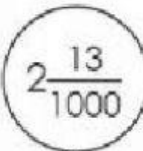
g) $\frac{160}{1000} =$ _____

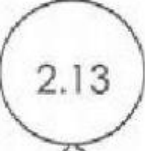
h) $4\frac{160}{1000} =$ _____

2. Match each fraction to its equivalent decimal.

a)  •

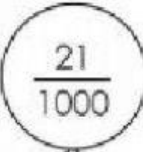
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b)  •

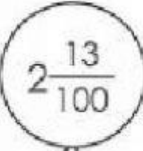
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c)  •

• 

d)  •

• 

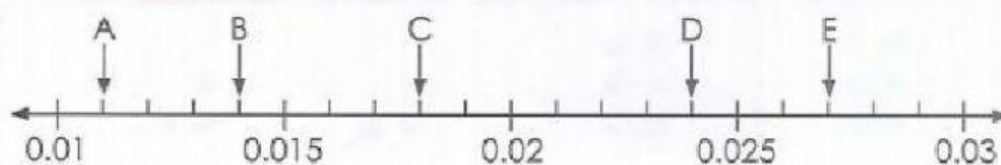
e)  •

• 

Reading number lines

Let's Learn

Picture It



There are 10 equal intervals between 0.01 and 0.02.
Each interval stands for 0.001.

Point A stands for 0.011.

Point B stands for .

Point C stands for .

Point D stands for 0.024.

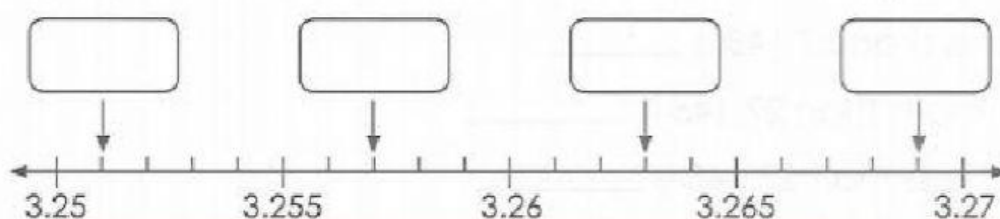
Point E stands for .

Count in steps of 0.001.
0.011, 0.012, 0.013, ...



Let's Do

- Fill in the missing decimals.

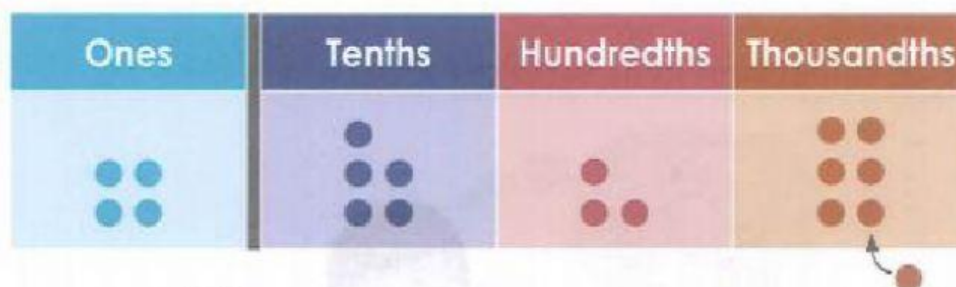


Finding 'more than' and 'less than'

Let's Learn

- What number is 0.001 more than 4.536?

Picture It



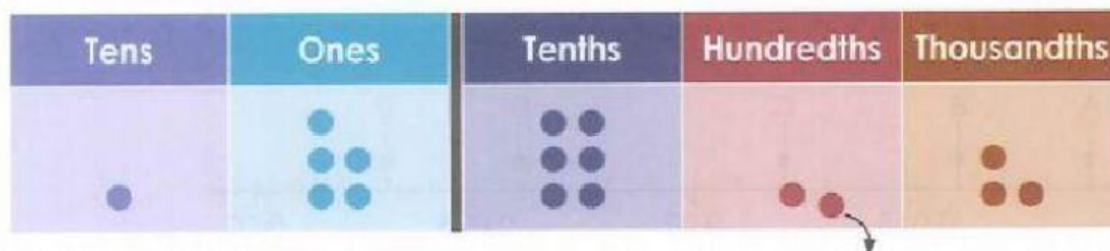
7-14
3+

$$4.536 + 0.001 \rightarrow 4.537$$

0.001 more than 4.536 is 4.537.

b) What number is 0.01 less than 15.623?

Picture
It



1 14
3 +

$$15.623 \xrightarrow{-0.01} 15.613$$

0.01 less than 15.623 is 15.613.

c) What number is 0.1 more than 15.623?

$$15.623 \xrightarrow{+0.1} \square$$

0.1 more than 15.623 is $\square$.

Add 1 tenth to
15.623.



Let's Do

1. Fill in the blanks.

- 0.1 less than 27.148 is _____.
- 0.01 more than 27.148 is _____.
- 0.001 less than 27.148 is _____.

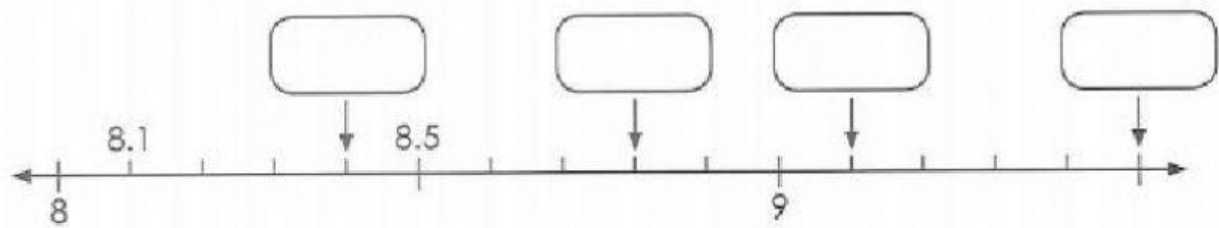
Exercise 15 Thousandths

Fill in the blanks.

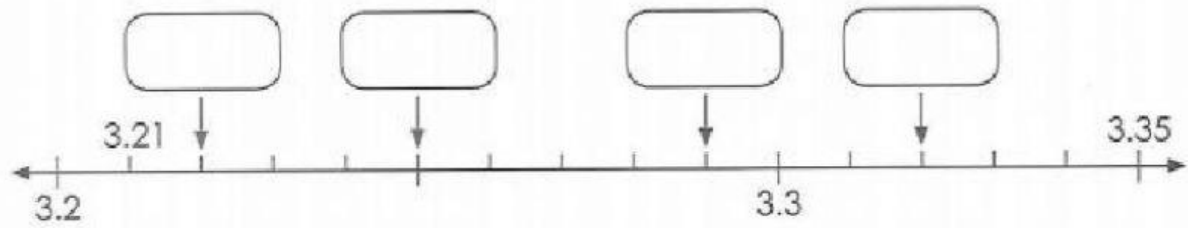
- _____ is 0.1 more than 31.245.
- _____ is 0.1 less than 31.245.
- _____ is 0.01 more than 25.113.
- _____ is 0.001 less than 25.113.
- 57.23 is _____ less than 57.231.
- 85 is _____ more than 84.999.

Fill in the missing decimals.

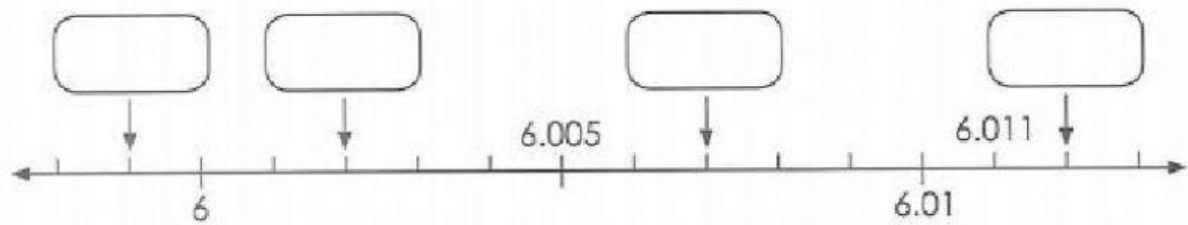
a)



b)



c)



d)

